ACCENT ON LEARNING
UNDERGRADUATE CATALOG
OF THE
UNIVERSITY OF
SOUTH FLORIDA
2001-2002

The announcements, information, policies, rules, regulations, and procedures set forth in this Catalog are for information only and are subject to continual review and change without notice.

Undergraduate students enrolled in the University are entitled to one copy of the current issue of the USF Undergraduate Catalog. Students wanting additional copies may purchase them at the University Bookstore. Prospective students may obtain general University information concerning admissions, fees and degree programs by requesting either the Undergraduate Viewbook or Graduate Catalog from the Admissions Office, SVC 1038, University of South Florida 33620-6900; telephone: 813-974-3350.

The University of South Florida is committed to the principles of equal education, equal access, and equal employment opportunities without regard to race, color, marital status, sex, religion, national origin, disability, age, or Vietnam or disabled veteran status as provided by law and in accordance with the University’s respect for personal dignity. These principles are applied in the conduct of University programs and activities and the provision of facilities and services.
Visiting The University

Prospective students and other interested persons are invited to visit the University campuses. Most University offices receive visitors from 9:00 a.m.-5:00 p.m., Monday through Friday.

Prospective freshmen are encouraged to attend USF PREVIEW. This program, held on the Tampa Campus, is designed to acquaint participants with USF admission, financial aid, housing, annual costs, academics and student life. USF PREVIEW information is available from the Office of Admissions in Tampa.

The Tampa Campus of the University is located on Fowler Avenue (State Road 582) approximately two miles east of Interstate 275 and Nebraska Avenue (U.S. Route 41) and seven miles north of Interstate 4 off I-75.

The other campuses of the University are located in the places noted below.

Communicating With The University

Communications regarding the services and programs listed below should be directed by letter or by phone to the appropriate office on the Tampa, St. Petersburg, Lakeland, or Sarasota campuses. Mailing addresses and general telephone numbers for the campuses are given on the previous page. The offices listed below on the Tampa Campus unless otherwise indicated may be dialed direct at the telephone numbers shown.

Academic Advising (for Undeclared and Undecided Students)
Academic Advising, SVC 2011
http://www.sup.edu/advising/
974-2645

Academic Advising (for upperclassmen)
Art & Sciences, SOC 102
http://www.cas.usf.edu/
Business Admin., BSN11406
http://www.coba.usf.edu/
Education, EDU 106
http://www.coeds.usf.edu/
Engineering, EHC 100
http://www2eng.usf.edu/main.asp
Fine Arts, FAH 120
http://www.arts.usf.edu/
Nursing, MDN 11036
http://nsc.usf.edu/nursing/
Pre-Medical, CHE 306
http://www.cas.usf.edu/psm/

Academic Services for Students with Disabilities
Coordinator, SVC 1133
(voice) 974-4309
(TDD) 974-5651
http://www.usf.edu/discl/

Adult and Transfer Student Services
Office of the Director, SVC 1001
http://www.mrt.usf.edu/enrol/attendance/
974-6444

Applications and Admissions
Office of Admissions, SVC 1036
http://www.mrt.usf.edu/enrol/admissions/admissions.html
bullseye@admin.usf.edu
New College
http://www.newcollege.usf.edu/
Office of Admissions (Sarasota)
359-4269
bullseye@admin.usf.edu

Athletics (Intercollegiate)
Director of Athletics, PED 214
http://www.usf.edu/sports/80x6359/
974-2125

Bachelor of Independent Studies Program
External Degree Program, FAO 285
http://www.cas.usf.edu/bis/index.html
974-4058

Career Development
Counseling Center for Human Development, SVC 2124
http://www.mrt.usf.edu/counseling/
974-2831

Career Center
Cooperative Education Program, SVC 2088
Career/Job Search Assistance, SVC 2088
http://www.career.usf.edu/
974-2171

College Level Examination Program (CLEP tests)
Office of Evaluation and Testing Services, SVC 2054
http://usfweb.usf.edu/grades/earn/evaltests.htm
974-6444

Community College and Transfer Students
Adult and Transfer Student Services, SVC 1001
http://www.mrt.usf.edu/enrol/atss/
Continuing Education Courses and Conferences
Continuing Education, MGZ 144
Division of Continuing Education, MHZ 116
English Language Institute, CPR 107
http://www.conted.usf.edu/
974-2831
974-4333
974-4203
974-6371

Counseling
Counseling Center for Human Development, SVC 2124
http://www.mrt.usf.edu/counseling/
974-2831

Educational Outreach
Office of the Dean, MHZ 116
974-8057
http://www.outreach.usf.edu/reach/

Financial Assistance (scholarships, loans, employment)
Office of Financial Aid, SVC 1102
974-4700
http://usfweb.usf.edu/faid/

Graduate Studies
Office of the Dean, FAO 126
974-2846

Health Services (Student)
Health Center, SHS 101
http://www.shs.usf.edu/
974-2331

Honor Program - University-wide
Office of the Director, FAO 274
http://web.usf.edu/honors/
974-3087

Housing: Campus Residence Halls
Office of Residence Life, RAR 229
http://www.reserv.usf.edu/
974-2761
974-4310

Housing: Off-Campus
Student Government Office, CTR 203
http://sg.usf.edu/
974-3749

International Student and Scholar Services
Office of the Advisor, CTR 259
http://www.isss.usf.edu/
974-5102

Library Resources
Tampa Campus: Office of the Director of Libraries, LB 207
(813) 974-2721
St. Petersburg Campus: Office of the University Librarian
(813) 553-3401
Sarasota Campus: Office of the Librarian
http://slib.sarasota.edu
(941) 359-4300
Lakeland Campus: PC/CUSF Library
(941) 297-1042

Minority Student Advising
Center for Academic Advising, SVC 2011
http://www.usf.edu/advising/
974-2645

Orientation
Office of the Director, SVC 1037
http://www.mrt.usf.edu/enrol/orientation.html
974-3060

Parking and Traffic Services
Parking Services, PB 101
974-3990
http://usfweb.usf.edu/parking/services/

Pre-Admission Advising for Prospective Freshman, International, Mature, Minority, and Transfer Students
Office of Admissions, SVC 1036
http://www.mrt.usf.edu/enrol/admissions/admissions.html
974-3350

Reading Study Skills
Counseling Center for Human Development, SVC 2124
http://www.mrt.usf.edu/counsel/
974-2831

Records, Registration
Office of the Registrar, SVC 1034
http://www.mrt.usf.edu/enrol/regis/registr.htm
974-2000
regquest@admin.usf.edu

Speakers Bureau
Media Relations and Publications, ADM 271
974-4014

Student Affairs
Office of the Vice President, ADM 151
974-5553

Transcripts USF
Office of the Registrar, SVC 1034
http://www.mrt.usf.edu/enrol/Regis/transcript.htm
974-2000

Tuition Waiver For Senior Citizens
Division of Lifelong Learning, MGZ 144
974-2403

Transfer (Undergraduate) Student Problems
Adult and Transfer Student Services, SVC 1001
http://www.mrt.usf.edu/enrol/ltss/
974-6444

Undergraduate Studies
Office of the Dean, SVC 2002
http://www.ugs.usf.edu/uts.
974-4051

WebCats@admin.usf.edu
974-2831

University Experience Program
Office of the Coordinator, SVC 2014
http://www.usf.edu/uexp/974-4183

University Police
Emergency Services
UPD 002
974-2628

Veterans Services
Office of Veterans Services, SVC 2127
http://usfweb.usf.edu/vetserv/974-2291
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Cover Design by: Ray Cooper
# List of Degree Programs and Common Prerequisites

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<tr>
<th>Programatisms</th>
<th>Degree Type</th>
<th>School</th>
<th>Prerequisites</th>
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<tr>
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<td>(Option 1: English and American Literature,</td>
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<td>Option 2: Creative Writing: Fiction, Poetry</td>
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<td>Option 3: Professional and Technical Writing)</td>
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<td></td>
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<td>(French, German, Italian, Spanish, Russian)</td>
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<tr>
<td>Chemical Engineering [EN] - B.S. - Limited Access</td>
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<td>General Business Administration [BA]</td>
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<td>Common Prerequisites</td>
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<td>Option 2: Urban Studies,</td>
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<td>Option 3: General Geography)</td>
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<tr>
<td>Communication (Speech) [AS] - B.A.</td>
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<td>History [AS] - B.A.</td>
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<td>Dance Education [FA] - B.S.</td>
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<tr>
<td>Early Childhood Education [ED] - B.A./B.S.</td>
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<tr>
<th>Program</th>
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<tr>
<td>Interdisciplinary Studies [AS] - B.I.S.</td>
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<tr>
<td>International Studies [AS] - B.A.</td>
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<tr>
<td>Italian [AS] - B.A.</td>
<td>106</td>
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<tr>
<td>Liberal Arts and Sciences [NC] - B.A. - Limited Access</td>
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<tr>
<td>Liberal Studies [AS] - B.A. - Limited Access</td>
<td>107</td>
<td>No Common Prerequisites</td>
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<tr>
<td>Marketing [BA] - B.A./B.S. - Limited Access</td>
<td>138</td>
<td>Common Prerequisites</td>
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<tr>
<td>Mathematics [AS] - B.A.</td>
<td>109</td>
<td>Common Prerequisites</td>
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<tr>
<td>Mathematics Education [ED] - B.A./B.S.</td>
<td>148</td>
<td>Common Prerequisites</td>
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<tr>
<td>Mechanical Engineering [EN] - B.S. - Limited Access</td>
<td>169</td>
<td>Common Prerequisites</td>
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<tr>
<td>Medical Technology [AS] - B.S.</td>
<td>110</td>
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<tr>
<td>Mental Retardation [ED] - B.A./B.S.</td>
<td>153</td>
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<tr>
<td>Microbiology [AS] - B.S.</td>
<td>84</td>
<td>Common Prerequisites</td>
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<tr>
<td>Music [FA] - B.M. (Performance, Composition, Jazz Studies)</td>
<td>184</td>
<td>Common Prerequisites</td>
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<tr>
<td>Music Education [FA] - B.A./B.S. (General (K-12), Instrumental (K-12), Vocal (K-12))</td>
<td>186</td>
<td>Common Prerequisites</td>
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<tr>
<td>Nursing, Basic [NU] - B.S. - Limited Access</td>
<td>198</td>
<td>Common Prerequisites</td>
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<tr>
<td>Nursing, Registered [NU] - B.S. - Limited Access</td>
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<tr>
<td>Philosophy [AS] - B.A.</td>
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<td>No Common Prerequisites</td>
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<tr>
<td>Physical Education [ED] - B.A./B.S. (Elementary (K-8), Secondary (6-12), Wellness Leadership)</td>
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<td>Common Prerequisites</td>
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<tr>
<td>Physics [AS] - B.A./B.S.</td>
<td>112</td>
<td>Common Prerequisites</td>
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<tr>
<td>Political Science [AS] - B.A.</td>
<td>98</td>
<td>Common Prerequisites</td>
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<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
<th>Common Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>Pre-Law Emphasis [AS] - B.A.</td>
<td>99</td>
<td>Common Prerequisites</td>
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<tr>
<td>Pre-Medical Emphasis [AS] - B.A.</td>
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<tr>
<td>Psychology [AS] - B.A.</td>
<td>113</td>
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<tr>
<td>Religious Studies [AS] - B.A.</td>
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<td>No Common Prerequisites</td>
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<tr>
<td>Russian [AS] - B.A.</td>
<td>106</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Science Education [ED] - B.A./B.S. (Biology, Chemistry, Physics)</td>
<td>149</td>
<td>Common Prerequisites</td>
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<tr>
<td>Social Science Education [ED] - B.A./B.S.</td>
<td>149</td>
<td>Common Prerequisites</td>
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<tr>
<td>Social Work [AS] - B.S.W. - Limited Access</td>
<td>115</td>
<td>Common Prerequisites</td>
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<tr>
<td>Sociology [AS] - B.A.</td>
<td>117</td>
<td>Common Prerequisites</td>
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<tr>
<td>Spanish [AS] - B.A.</td>
<td>106</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Specific Learning Disabilities [ED] - B.A./B.S. Common Prerequisites</td>
<td>153</td>
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<tr>
<td>Technology Education [ED] - B.A./B.S.</td>
<td>145</td>
<td>Common Prerequisites</td>
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<tr>
<td>Women’s Studies [AS] - B.A.</td>
<td>118</td>
<td>No Common Prerequisites</td>
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</table>

[AS] = College of Arts and Sciences
[BA] = College of Business Administration
[ED] = College of Education
[EN] = College of Engineering
[FA] = College of Fine Arts
[NC] = New College
[NU] = College of Nursing
# Academic Calendar for Undergraduate Students

## Fall Semester, 2001

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 1</td>
<td>Thursday</td>
<td>Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents</td>
</tr>
<tr>
<td>June 1</td>
<td>Friday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except international applicants)</td>
</tr>
<tr>
<td>August 27</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>August 31</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>August 31</td>
<td>Friday</td>
<td>Last day to add courses - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>August 31</td>
<td>Friday</td>
<td>Last day for late registration - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>September 3</td>
<td>Monday</td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>September 7</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>September 17</td>
<td>Monday</td>
<td>Rosh Hashanah Begins</td>
</tr>
<tr>
<td>September 21</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>September 26</td>
<td>Wednesday</td>
<td>Yom Kippur</td>
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<tr>
<td>October 6</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>October 26</td>
<td>Friday</td>
<td>Honors Convocation (Classes cancelled 2:00-5:00 p.m.)</td>
</tr>
<tr>
<td>November 2</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>November 12</td>
<td>Monday</td>
<td>Veteran's Day Holiday celebrated</td>
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<tr>
<td>November 22-23</td>
<td>Thursday-Friday</td>
<td>Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 7</td>
<td>Friday</td>
<td>Classes End</td>
</tr>
<tr>
<td>December 8-14</td>
<td>Saturday-Friday</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>December 15</td>
<td>Saturday</td>
<td>Commencement (Tampa)</td>
</tr>
<tr>
<td>December 16</td>
<td>Sunday</td>
<td>Commencement (St. Petersburg)</td>
</tr>
<tr>
<td>December 18</td>
<td>Tuesday</td>
<td>Commencement (Sarasota)</td>
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## Spring Semester, 2002

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<th>Date</th>
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<tbody>
<tr>
<td>August 1</td>
<td>Wednesday</td>
<td>Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents</td>
</tr>
<tr>
<td>October 16</td>
<td>Tuesday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except international applicants)</td>
</tr>
<tr>
<td>January 7</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>January 11</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>January 11</td>
<td>Friday</td>
<td>Last day to add courses - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>January 11</td>
<td>Friday</td>
<td>Last day for late registration - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>January 11</td>
<td>Friday</td>
<td>Last day to pay fees</td>
</tr>
<tr>
<td>January 18</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>January 21</td>
<td>Monday</td>
<td>Martin Luther King Holiday</td>
</tr>
<tr>
<td>February 1</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>February 16</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>March 11-16</td>
<td>Saturday-Saturday</td>
<td>Spring Semester Break</td>
</tr>
<tr>
<td>March 22</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.</td>
</tr>
<tr>
<td>April 26</td>
<td>Friday</td>
<td>Classes End</td>
</tr>
<tr>
<td>April 27-May 3</td>
<td>Saturday-Friday</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 4</td>
<td>Saturday</td>
<td>Commencement (Tampa)</td>
</tr>
<tr>
<td>May 5</td>
<td>Sunday</td>
<td>Commencement (St. Petersburg)</td>
</tr>
<tr>
<td>May 6</td>
<td>Monday</td>
<td>Commencement (Lakeland)</td>
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<tr>
<td>May 10</td>
<td>Friday</td>
<td>Commencement (Sarasota)</td>
</tr>
<tr>
<td>May 24</td>
<td>Friday</td>
<td>Commencement (New College)</td>
</tr>
</tbody>
</table>
SUMMER TERM, 2002

SESSION A
(First Six-week Session)

January 2  Wednesday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2  Tuesday  Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
May 3  Friday  CLAST Registration Deadline
May 13  Monday  Classes begin
May 17  Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
May 17  Friday  Last day to add courses
May 17  Friday  Last day for late registration
May 17  Friday  Last day to pay fees
May 27  Monday  Memorial Day Holiday
June 1  Saturday  CLAST Administration Day
June 7  Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
June 7  Friday  Graduation Application Deadline
June 21  Friday  Last day of classes
June 24-28  Monday-Friday  Summer Break between Session A and Session B
August 10  Saturday  Summer Commencement (Tampa)

SESSION B
(Second Six-week Session)

January 2  Wednesday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2  Tuesday  Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
June 7  Friday  Graduation Application Deadline
July 1  Monday  Classes begin
July 4  Thursday  Independence Day Holiday
July 8  Monday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
July 8  Monday  Last day to add courses
July 8  Monday  Last day for late registration
July 8  Monday  Last day to pay fees
July 26  Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
August 9  Friday  Last day of classes
August 10  Saturday  Summer Commencement (Tampa)

SESSION C
(Ten-week Session)

January 2  Wednesday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2  Tuesday  Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
May 3  Friday  CLAST Registration Deadline
May 13  Monday  Classes begin
May 17  Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
May 17  Friday  Last day to add courses
May 17  Friday  Last day for late registration
May 17  Friday  Last day to pay fees
May 27  Monday  Memorial Day Holiday
June 1  Saturday  CLAST Administration Day
June 7  Friday  Graduation Application Deadline
June 28  Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
July 4  Thursday  Independence Day Holiday
July 19  Friday  Last day of classes
August 10  Saturday  Summer Commencement (Tampa)
ACCRREDITATION

USF was originally fully accredited in 1965 by the Southern Association of Colleges and Schools, the official accrediting agency for educational institutions in the South. The University of South Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees in the Baccalaureate, Master, Specialist and Doctoral levels, including the Doctor of Medicine.

DEGREES* OFFERED
AT THE UNIVERSITY

Undergraduate Degrees
- Bachelor of Arts B.A. Master of Health Administration M.H.A.
- Bachelor of Engineering Technology B.E.T. Master of Industrial Engineering M.I.E.
- Bachelor of Fine Arts B.F.A. Master of Mechanical Engineering M.M.E.
- Bachelor of Independent Studies B.I.S. Master of Music M.M.
- Bachelor of Music B.M. Master of Public Administration M.P.A.
- Bachelor of Science B.S. Master of Public Health M.P.H.
- Bachelor of Science in Chemical Engineering B.S.C.H. Master of Science M.S.
- Bachelor of Science in Civil Engineering B.S.C.E. Master of Science in Biomedical Engineering M.S.B.E.
- Bachelor of Science in Computer Engineering B.S.C.P. Master of Science in Chemical Engineering M.S.C.H.
- Bachelor of Science in Computer Science B.S.C.S. Master of Science in Civil Engineering M.S.C.E.
- Bachelor of Science in Electrical Engineering B.S.E.E. Master of Science in Computer Engineering M.S.C.P.
- Bachelor of Science in Engineering Science B.S.E.S. Master of Science in Electrical Engineering M.S.E.E.
- Bachelor of Science in Industrial Engineering B.S.I.E. Master of Science in Engineering Management M.S.E.M.
- Bachelor of Science in Information Systems B.S.I.S. Master of Science in Engineering Science M.S.E.S.
- Bachelor of Science in Mechanical Engineering B.S.M.E. Master of Science in Environmental Engineering M.S.E.V

Graduate Degrees
- Master of Accountancy M.Acc. Master of Science in Public Health M.S.P.H.
- Master of Architecture M.Arch. Master of Social Work M.S.W.
- Master of Arts M.A.
- Master of Business Administration M.B.A.
- Master of Chemical Engineering M.C.H.E.
- Master of Civil Engineering M.C.E.
- Master of Computer Engineering M.C.P.
- Master of Computer Science M.C.S.
- Master of Education M.Ed.
- Master of Electrical Engineering M.E.E.
- Master of Engineering M.E.
- Master of Environmental Engineering M.E.V.E
- Master of Fine Arts M.F.A.

Advanced Graduate Degrees
- Education Specialist Ed.S.
- Doctor of Audiology Au.D.
- Doctor of Education Ed.D.
- Doctor of Philosophy Ph.D.

Professional Degree
- Doctor of Medicine M.D.

*See index for individual degree programs

The University of South Florida and all colleges, departments and programs therein establish certain academic requirements which must be met before a degree is granted. These requirements concern such things as curricula and courses, majors and minors, and academic residence. Advisors, directors, department chairs, and deans are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them. At the end of a student's course of study, if requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for all students to acquaint themselves with all regulations and to remain current informed throughout their college careers and to be responsible for completing requirements. Courses, programs, and requirements described in the catalog may be suspended, deleted, restricted, supplemented, or changed in any other manner at any time at the sole discretion of the University and the Florida Board of Regents.
UNIVERSITY OF SOUTH FLORIDA
Statement of Institutional Purpose

The University of South Florida is a multi-campus, comprehensive, research university strongly committed to the balanced pursuit of excellent teaching, significant research and useful public service. The University generates and disseminates new insights, knowledge and forms of expression; it prepares students for their personal lives, professional careers and contributions to society; and it serves its external communities through the citizenship and expertise of its faculty, staff, students and graduates.

The University of South Florida is committed to supporting and nurturing the free expression of ideas. It embraces the role of the University as a social critic and conscience and respects and defends the rights of faculty, staff and students to speak out and act responsibly upon the social implications of their knowledge. The University values an intellectually excellent, culturally diverse academic community of faculty, staff and students. The University strives to provide an educationally challenging environment, within and beyond the classroom, that engages students and faculty in a common inquiry into the values of society and gives them a rational understanding of the need to accept and appreciate differences among people and cultures as a foundation for national and global welfare.

The three traditional activities of teaching, research and public service are the foundation of the University’s mission. In the conduct and delivery of its programs, the University recognizes the special characteristics of its students and the opportunities provided by the location of its campuses in thriving metropolitan areas on Florida’s gulf coast. The University gives particular consideration to programs and activities that can build on these advantages to achieve national and international distinction.

As an institution dedicated to excellent teaching, the University’s fundamental objective is to evoke in its students a lifelong commitment to learning that enables them to become thoughtful, active, productive and compassionate citizens. The University provides to all undergraduates a strong common curriculum in liberal education that balances the acquisition of general knowledge with the development of intellectual honesty, curiosity, creativity, critical inquiry and personal values and ethics that include a commitment to advancing the society in which they live. Specialization in the major areas builds upon this broad education and prepares graduates to enter graduate school or to embark directly upon their lives’ work. Advanced studies at the graduate and professional level enable students to work with faculty at the forefront of their disciplines, to increase their depth of knowledge and personal achievement and to contribute to the advancement of their professions and the larger society. The University has high expectations of its faculty as inspirational teachers and of its faculty and students as exemplary scholars.

As a comprehensive research university, USF is dedicated to the discovery of new knowledge, insights and forms of expression through significant innovative research and other creative activity and to the preservation, organization, analysis and synthesis of existing knowledge. As a leading publicly supported university, the University accomplishes its research mission by building on existing program strengths, by fostering effective, cross-disciplinary approaches and by contributing to the resolution of social, cultural, economic, medical and technological challenges facing the largely metropolitan population of the state and country within the international community of the 21st century.

As an institution serving the region, state and nation, the University actively encourages the use of the expertise of its faculty, staff and students for the advantage of the larger community—to provide intellectual, cultural, health-related and social services; to contribute to life-long learning opportunities; and to function as a catalyst for improvements within its immediate cultural, economic and social context. USF has the assigned responsibility to provide continuing education for a 10-county area.

Within the mission of the total university, the Tampa campus plays a central role. It incorporates a comprehensive range of teaching, research and service functions and provides essential academic leadership and administrative services for the University’s multiple campuses. The missions of the regional campuses at St. Petersburg, Sarasota/Minanatee and Lakeland emphasize programs that respond to demonstrated regional need for undergraduate upper level and master’s level education. On a selective basis, regional campuses also undertake program initiatives involving special community interests and resources. The mission of New College at USF is to provide a high quality, undergraduate, liberal arts education. The special strengths of all four campuses contribute to an integrated, diversified, and comprehensive university dedicated to educational quality and leadership.

ABOUT USF

One of the 20 largest universities in the United States and still growing, the University of South Florida has built a solid reputation as a leader in learning, offering comprehensive state-of-the-art, student-centered programs. With growing prestige and a dedicated faculty, including more than 75 faculty Fulbright Scholars and 42 endowed chairs, USF has become a research powerhouse.

Located in the vibrant Tampa Bay area, one of the fastest-growing metropolitan areas of the nation, USF has formed vital partnerships with business leaders and organizations throughout the region, and contributes to the well-being of its immediate urban neighborhoods through vast networks of social research and service projects.

As one of the top 60 public research universities in the country USF’s contracts and grants are more than $171 million annually. USF’s fast growing reputation as a superior academic institution was formally acknowledged in 2000 when the Carnegie Foundation ranked USF in its top tier of national research universities.

Faculty and student scholarship and research are supported by an outstanding library that contains more than 2.3 million volumes and that is the electronic “Virtual Library” for the State University System of Florida. The latter provides links to tens of thousands of computer databases around the world.

Founded in 1956, USF opened its doors in 1960 to 2000 students. Today the University serves approximately 36,000 students — with nearly 200 programs at the undergraduate, master’s, specialty and doctoral levels, including the M.D. Entering freshmen boast an average SAT score of approximately 1,020 and a grade point average of 3.5.

USF’s commitment to inclusion is reflected in its student body. African American, Latin and Asian students comprise 24.5 percent of USF students. A growing contingent of international students, now representing well over 100 countries, demonstrates the University’s strong geographic influence and dedication to the principles of a global economy.

Collectively, our students are among the best and brightest at Florida universities, with greater-than-ever numbers of National Merit, National Achievement and National Hispanic Scholars. They are taught by some 2,000 highly-regarded faculty who are products of the world’s most prestigious colleges, universities and research institutes.

The University has graduated more than 175,000 students since its founding. These graduates contribute to society in numerous professional and civic activities. Those who live in the Tampa Bay area alone would nearly fill Tampa’s professional football stadium (Raymond James Stadium, which is also home field for the Bulls’ NCAA Division I football team and the 2001 Super Bowl).
USF is big in size as well as stature. Its annual operating budget is three quarters of a billion dollars. One of the largest employers in the Tampa area, its economic impact on the Tampa Bay region totals $1.35 billion annually.

In the past 40-plus years, USF has grown into a network of regional campuses in Tampa, St. Petersburg, Sarasota and Lakeland, serving the West Central Florida region. The main campus in Tampa covers 1,700 acres, housing more than 320 buildings which covered 6 million square feet in size. Its libraries hold some 1.4 million volumes as well as a vast computer link to hundreds of library data bases and international communications through the Internet and the World Wide Web.

The largest of USF’s colleges, Arts and Sciences, offers nearly 50 undergraduate degrees and provides special programs that prepare students for schools of medicine and other related healthcare fields. With an enrollment of more than 12,500, Arts and Sciences is larger than many other entire universities. The college’s geology program is one of the largest and highest-ranked in the Southeast. Its chemistry program is one of the top producers of chemistry graduates in the nation. Cutting-edge programs involve National Science and Environmental science and policy. Its marine science program is among the most prestigious in America.

The University’s most popular major is business, outpacing education, engineering, social sciences and psychology. Special programs affiliated with the College of Business Administration include the Cooperative Education Program, the Center for Economic Development Research and the Small Business Development Center. An International Study Program with an emphasis on Latin America prepares students for the growing global economy.

The largest urban education college in the country, USF’s College of Education ranks fifth in the nation. The College produces more teachers than any other Florida university: nearly 100 percent of the college’s graduates remain in the state. College facilities include the Educational Research Center for Child Development, the Gus A. Stavros Center for Free Enterprise and Economic Education and the award-winning Sun Coast Area Teacher Training (SCATT) program. The College is the only one in the state to operate its own charter school for at-risk youngsters and also works closely with Hillsborough County Public School’s Pizzo Elementary, located on the USF campus.

The College of Engineering is cultivating a world of new ideas through state-of-the-art laboratories, low-faculty-to-student ratios and a focus on cooperatively learning. Faculty and set international standards for electric vehicle research and silicon chip technology. The College’s model distance-learning programs provide education at remote sites around the state. Some 600 engineers have earned master’s degrees through these programs. Each year, the college hosts the annual Engineering Expo, the oldest student-produced engineering exhibition in the country.

The cultural hub of the University, the College of Fine Arts is home to the departments of Art, Dance and Theatre, in addition to the School of Music, the Contemporary Art Museum and the nationally-renowned Institute for Research in Art/Graphicstudio. The College offers courses and internships in New York City, Paris and London, and a special program in African Art. The renowned British International Theatre program (BRIT) brings British professional artists-in-residence to campus. The College also hosts a biannual Suncoast Music Education National Symposium and an annual jazz residency program.

The College of Nursing has a long history of student excellence, including the nation’s first nursing curriculum. It maintains affiliation agreements with more than 100 health care agencies in USF’s 10-county service area, offering students a wide range of clinical experience in both inpatient and community facilities. Nursing faculty and students provide thousands of hours of volunteer care at such locations as the J.L. Young Apartments Center for Elder Health and the Judeo-Christian Clinic in West Tampa, as well as with the center for Family Health, a non-profit organization. Faculty members engage in a wide range of research in AIDS, aging, cancer and maternal/child health, which further enhances students’ education and clinical practice.

USF’s College of Medicine is among the best in the nation in educating physicians for its home state. More than 60 percent of its residents remain in Florida. The college is also renowned for research in brain repair, cardiology, ophthalmology and immunology. Through affiliations with Tampa General Hospital, the USF-based Moffitt Cancer Center & Research Institute (Florida’s only National Cancer Institute-designated center), All Children’s Hospital, James A. Haley Veterans Hospital, Shriner’s Hospital for Children, Bay Pines Veterans Medical Center, and Morton Plant Mease, medical students train on the cutting edge of trauma, pediatrics and cancer treatment. The College places an increasing focus on primary care. Admission is highly selective. Each year, the college receives more than 2,000 applications to fill 96 available positions.

USF has the only College of Public Health in Florida. The College is one of only 27 fully accredited public health colleges in the United States. Within the college, the Legislature created the Florida Public Health Research Center (FPHRC) to serve as a statewide center for policy-oriented, health services research. USF’s master’s of public health program takes a multidisciplinary approach to public health—exploring the social, behavioral, legal, medical and economic factors affecting public health. Areas of concentration include community health, environmental and occupational health and health policy and management. Recognizing the school’s location in one of the state’s largest metropolitan areas, the School of Architecture and Community Design prepares students to find creative solutions to problems faced by aging and emerging cities. Design projects have included innovative portable classrooms, water retention projects and urban renovation that addresses traffic, parking, environmental and community needs.

The Louis de la Parte Florida Mental Health Institute is Florida’s only mental health research institute. Its Center for HIV Education and Research has trained more than 50,000 medical and mental health professionals throughout Florida. The institute also trains more than 6,000 child welfare and juvenile justice staff members annually. The de la Parte Institute is one of five national sites competitively selected by the Public Health Service to rigorously document the costs and outcomes of managed care services to adults with severe mental illness.

Located with the regional campuses in St. Petersburg, Sarasota/Manatee and Lakeland, USF has a new joint use site with Pasco-Hernando Community College Downtown Center. Altogether, USF’s campuses are within reach of more than 3 million people in a 10-county area.

USF St. Petersburg is the oldest and largest regional campus of USF, and it offers a wide range of complete programs in undergraduate and graduate studies. Classes are small and students receive individual faculty attention and full array of services. USF St. Petersburg places value on each and every individual it serves, making it a welcoming and nurturing environment for all who come to campus. It also is notable for the teaching of ethics that is infused throughout the curriculum.

Located along the waterfront of Bayboro Harbor, USF St. Petersburg is considered one of the loveliest and most inviting campuses in the nation and is the home of USF’s varsity women’s sailing team. The campus also borders the downtown area’s museums, galleries, performing arts venues and theaters. Its cultural programming is outstanding, with frequent public readings and exhibits on exhibition. The campus is known for its long-term affiliation with the Florida Humanities Council, which is headquartered on campus. USF St. Petersburg also is part of a medical and scientific research hub that includes marine science and pediatrics.

Also located at USF St. Petersburg, the College of Marine Science offers graduate programs in biological, chemical,
geological and physical oceanography. Scientists do cutting-edge research all over the globe related to the effects of climate on the oceans. Marine Science is credited with being a magnet for drawing both the U.S. Geological Survey to USF St. Petersburg and oceanographic high-tech business to the Tampa Bay region.

The Sarasota/Manatee campus includes New College and is adjacent to the state-owned Ringling Museum. USF at Sarasota/Manatee has a significant responsibility for historic and environmental preservation of the beautiful Ringling and Capes estates. New College is a residential, highly selective and innovative liberal arts college that made the top category of Princeton Review’s exclusive rating of college admissions competitiveness. Kiplinger’s Personal Finance Magazine ranks New College in the top 25 public university “best values” in the nation.

USF Lakeland is designed to take advantage of advanced educational technologies. Along with traditional instruction, the campus has television receiving and transmitting labs for individualized computer instruction.

EQUAL OPPORTUNITY POLICY

It is the goal of the University to create and maintain a work and study environment free from discrimination. Discrimination on the basis of race, color, sex, marital status, religion, national origin, Vietnam or disabled veteran status, handicap, or age is prohibited by University policies, federal and state laws. Any person who believes that he or she has been subjected to discrimination may file a complaint with the Office of Equal Opportunity Affairs, ADM 274. The telephone number is 941-487-3509. It shall be prohibited for any employee of USF to discriminate or take retaliatory action against any individual who, in good faith, has opposed an alleged unlawful practice or has made a charge, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing under the provisions of applicable law.

GUIDE TO RESOURCES FOR STUDENTS WITH DISABILITIES

All University programs, events, and services are open and available to persons with disabilities. The University of South Florida is committed to the principles of Equal Educational and Employment Opportunities without regard to disability. Academic Assistance for Students with Disabilities: Student Disability Services exists to ensure that students with disabilities have the technical, academic, and emotional support necessary to achieve academic and personal success at the University of South Florida. Course related assistance and academic accommodations are provided to eligible students with documented disabilities. Services may include advocacy, reader services, interpreters, alternate exam administration, note takers, and adaptive equipment such as FM systems, large print computer access, and Visualtek. Students are encouraged to contact our office as early as possible prior to enrollment to make arrangements for appropriate services.

Admissions: Students with disabilities apply under the same guidelines as other students. If students believe that their disability has had an impact on grades, course choice or standardized test scores for admission, they may request consideration of this in the admissions process.

Course Substitution: Students with disabilities requesting substitution of course work for General Education, foreign language requirements, or CLAST should contact the Director of Student Disability Services. Students with declared majors requesting substitution of departmental graduation requirements will need to contact the chair of their department. In either case, students will be requested to submit documentation to support their request for an exception.

Disabled Parking: Students with state parking privileges need only supply their state card as documentation for eligibility for a USF disabled parking hangtag/sticker. Students without state privileges need medical documentation to be considered for on-campus disabled parking.

Housing: Accessible on-campus residence hall housing is available for students with special needs. Specific information is available through the Residence Hall Director’s Office.

Students with disabilities are encouraged to participate fully in all University events, programs, and other campus activities. Information on whom to contact to request accommodation or assistance should be listed on program information and advertisements. If you are unable to secure the requested assistance or need additional help with accessibility contact the Equal Opportunity Office.

The following offices arrange academic accommodations and assistance for students with disabilities:

CAMPUS CONTACTS FOR STUDENT DISABILITY SERVICES

Tampa Campus
Director of Student Disability Services
SVC 1133
(voice) 813-974-4309
(TDD) 813-974-5651

Sarasota Campus
Coordinator for Advising for Special Needs Students
PMD 223
813-359-4330

Lakeland Campus
Office of the Director for Academic Services
Building C, USF Offices
941-677-7000

St. Petersburg Campus
Office of the Director, Student Affairs
DAV 118
813-893-9162

FACILITIES AND ATMOSPHERE

The facilities of the USF Tampa campus, now including more than 200 major buildings, are currently valued at more than $300 million. The buildings are of similar modern architectural design and all are completely air conditioned. The Tampa campus has a variety of recreational facilities, including: a gymnasium that features a weight room and natatorium; a 400-meter track; two outdoor swimming pools; 22 tennis courts; six handball/racquetball courts; an 18-hole golf course; two parcours, one for running and one for walking; one baseball and four softball fields; four outdoor basketball and volleyball courts; and a new multi-million dollar recreation center.

In St. Petersburg, students can enjoy an outdoor pool or take part in the waterfront program that features sailboats and canoes available for use. In Sarasota, there is a 400-meter track and a new library.

The campus atmosphere is informal. Students and faculty dress casually and enjoy an unusually close relationship. Some classes are even held outside to take advantage of the area’s extraordinary climate (average annual temperature is 72°F). Most buildings have open hallways, which blend colorful interiors with spacious exteriors, symbolically and architecturally suggesting the casual accessibility that has become a USF trademark.

UNIVERSITY POLICE

The University of South Florida Police Department provides a full range of public safety services to the community 24 hours a day, 7 days a week on the Tampa, Sarasota, and St. Petersburg Campuses. All University Police officers are certified by the State of Florida after completing minimum standards training at the local Regional Police Training Academy. The University of South Florida Police Department is accredited through the Commission for Florida Law Enforcement accreditation, Inc. Accreditation is the certification by an independent reviewing authority that an entity has met specific requirements and prescribed standards, and has long been recognized as
a means of maintaining the highest standards of professionalism.

General services provided by the University Police include car patrol, foot patrol, bicycle patrol, criminal investigation of all misdemeanors and felonies, traffic law enforcement, traffic crash investigation, special events management, and crime prevention programs.

The University Police Department has an excellent working relationship with all local law enforcement agencies. The University Police maintain 24-hour contact with local, national, and international law enforcement agencies via computer networks such as the Florida Crime Information Center and the National Crime Information Center. The Florida Department of Law Enforcement and other local, state, and federal agencies are available to assist the University Police upon request.

UNIVERSITY POLICE DEPARTMENT CAMPUS LOCATIONS:

- On the **Tampa Campus** the University Police Department is located at the corner of Fletcher Avenue and Maple Drive. The emergency number is “9-1-1” and the non-emergency number is (813) 974-2628.
- On the **Sarasota Campus** the University Police Department is located near the intersection of Tamiami Trail (U.S. Highway 41) and General Spatz Boulevard. The emergency number is “5-9-1-1” and the non-emergency number is (941) 359-4212.
- On the **St. Petersburg Campus** the University Police Department is located near the intersection of Fifth Avenue South and Second Street South. The emergency number is “1-9-1-1” and the non-emergency number is (813) 553-1140.
- The **Lakeland Campus** of the University of South Florida is located at Polk Community College. Basic public safety services are provided by the security department of the community college. Law enforcement services, including the investigation of criminal acts, are provided on a routine basis by the Polk County Sheriff’s Office in Lakeland. The University Police Department provides law enforcement or crime prevention services at this location on an as needed basis.

**VICTIMS’ ADVOCACY PROGRAM**

The Victims’ Advocacy Program is available to assist all USF students, staff, faculty and visitors who are victims of actual or threatened abuse/violence. Offenses may include but are not limited to battery, assault, stalking, relationship/domestic violence, childhood victimization, sexual battery (date/acquaintance/stranger rape), hate crimes and prior abuse. Victims at USF may be eligible for reimbursement from the State for related expenses.

Advocates are available 24 hours a day to provide crisis intervention, options, assistance and referrals. Police reports are not necessary to receive services from an advocate, and services are free and confidential. Office hours are 8:00 - 5:00 Monday through Friday.

**IMPORTANT NUMBERS**

*Services are available 24 hours a day, seven days a week.*

<table>
<thead>
<tr>
<th>USF POLICE EMERGENCY</th>
<th>911 OR 974-2628</th>
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<tbody>
<tr>
<td>USF VICTIM ADVOCATE</td>
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<tr>
<td>24-Hr. Crisis Line</td>
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<td>ADM 273</td>
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<tr>
<td>HILLSBOROUGH COUNTY CRISIS LINE</td>
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ADMISSIONS AND RELATED MATTERS

Admission to the University of South Florida requires evidence of ability to handle academic work, capacity to think creatively, and strong motivation. The minimum admission requirements are designed to help identify applicants whose academic background indicates potential for success at USF; however, satisfaction of minimum admission requirements does not guarantee acceptance. The admission of new students at all levels is on a selective basis within curricular, space, and fiscal limitations. The selection process may include such factors as grades, test scores, pattern of courses completed, class rank, educational objectives, past conduct, school recommendations, personal recommendations, and portfolios. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success.

The University encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. In the admission process there is no discrimination on the basis of sex (the ban on sex), race, color, handicap. Applicants who do not meet minimum admission requirements will be considered for admission when there is sufficient evidence to suggest ability to do satisfactory work at USF. These policies are further described under “Applying for Admission” and “Requirements for Admission,” and the University supports equal educational opportunity for disadvantaged students. Requests for waiver of the $200 application fee are considered by the Director of Admissions if payment of this fee creates severe financial hardship and serves as a deterrent to application.

Students are admitted to USF in accordance with the mission and goals of the University and within enrollment limitations established by the Board of Regents and the Florida Legislature.

Applying for Admission

Obtaining an Application

As part of the State University System (SUS) of Florida, USF uses the common SUS Application Form for undergraduates. Applicants who are attending Florida high schools or Florida Community College’s courses may apply through the SUS Application for Admission, as well as the SUS Application, may be requested from the Office of Admissions, SVC 1036, USF, Tampa, FL 33620-6900. All of the application forms are also available on USF campuses in St. Petersburg, Sarasota, and Lakeland when requesting an application, please indicate applicant category - freshman, undergraduate transfer, or international student.) Applications can be requested by phone, toll-free at 877-USF-BULL. Application forms may also be downloaded from http://www.rmit.usf.edu/enroll/admiss/application.html

When to Apply

Applications for admission are accepted as early as 12 months before the requested entry term. Applications for admission and the $200.00 non-refundable application fee should be submitted by the priority date (see academic calendar) for the requested entry term or by the application deadline for the requested degree program (see specific program in this catalog), whichever is earlier. The priority date is normally about ten weeks prior to the first day of classes in each term. Applications for admission and application fees from international students (non-resident aliens) must be received at least five months prior to the requested entry term. Applications submitted after the priority date will be accepted but processing for the requested term of entry cannot be guaranteed.

Who Should Apply

An application for admission must be submitted by all students who have not been admitted to and enrolled in a USF degree program within the last three terms. Former or continuing USF degree-seeking students must file another application for admission when applying for a second degree program, another level of study or readmission (see Readmission). Anyone who has previously been admitted and enrolled as a degree-seeking student and has paid an application fee will not be required to pay another fee.

The Director of Admissions may waive payment of the application fee for disadvantaged applicants if the fee serves as a deterrent to application.

Changing Requested Term of Entry

Applicants may update their application for admission for up to one year from the originally requested semester of admission. All requests for changes of entry term must specify any academic work attempted that was not reflected on the original application and must be received by the appropriate published application deadline for the new term of entry or degree program specified, whichever is earlier. Additionally, any issues related to criminal or academic misconduct that were not reflected on the initial application must be reported in writing to the Office of Admissions. A new application and fee must be submitted when applicants wish to be considered for admission for a term that begins more than 12 months after the originally requested entry term.

Applicants who request a new entry term must meet the admission requirements in effect for the new term requested. Entry for some programs is limited to specified terms.

General Admission Policies

Transcripts and other admission documents

All official transcripts, test scores, and any other required credentials must be received directly from the issuing agencies. It is the applicant’s responsibility to initiate the request for credentials to the issuing agencies and to assure their receipt by the USF Office of Admissions in Tampa. (See “Minimum Requirements for Admission” below for information concerning required documentation.) All credentials and documents submitted become the property of USF. The originals or copies of the originals will not be returned to the applicant or forwarded to another institution, agency, or person.

Provisional Admission

An applicant admitted on a provisional basis must submit the requested missing credentials, such as official final transcripts or test scores, to substantiate eligibility for admission before a second registration will be permitted to the University. Students admitted on a conditional basis must meet the University’s standards for admission before registration in the University. Students admitted on a conditional basis must maintain a cumulative grade point average (GPA) of 2.0 to continue in the University. Students admitted on academic probation must maintain a cumulative grade point average (GPA) of 2.0 to continue in the University.

Non-degree Seeking Status

Performance in courses taken as a non-degree-seeking student will not qualify an applicant for admission as a degree-seeking student. Similarly, courses taken as a non-degree-seeking student will not be utilized in determining an applicant’s grade point average for purposes of admission.

A non-degree-seeking (special) student who has been dismissed from USF is not eligible for admission to USF as a degree-seeking student at the undergraduate level. If extenuating circumstances contributed to the academic dismissal and the student meets other admissions requirements, a request for waiver of this rule may be submitted to the Faculty
Committee on Student Admissions. This rule does not apply to a student who has earned a degree from a regionally accredited institution subsequent to academic dismissal.

Freshman and undergraduate transfer applicants denied admission to USF as degree-seeking students will not be permitted to enroll as non-degree-seeking (special) students.

Admission Denials

Receipt of false official credentials, which fail to substantiate eligibility will result in recission of admission, reclassification to non-degree status, and denial of continued enrollment in subsequent terms.

An undergraduate applicant who is denied admission may be eligible to appeal and will be advised of applicable appeal procedures by the Office of Admissions.

An application for admission or a residency affidavit submitted by or on behalf of a student which contains false, fraudulent, or incomplete statements may result in denial of admission, further registration and/or degrees awarded.

The University may refuse admission to a student whose record shows previous misconduct not in the best interest of the University community.

Required Summer Term Attendance

All students entering the University with fewer than 60 semester hours of college level academic work are required to earn at least 9 semester hours during one or more Summer terms prior to graduation (see Summer enrollment requirements).

CLAST Test Requirement

All undergraduate transfer students admitted to USF must earn passing scores on all four sections of the College Level Academic Skills Test (CLAST) prior to receiving an A.A. certificate or baccalaureate degree from the University. Transfer students entering USF with fewer than 45 transferable semester hours must take CLAST during the term in which 45 semester hours will be completed. Transfer students entering USF with 45 or more transferable semester hours must take CLAST the first term it is offered after initial enrollment.

Required Orientation

Prior to beginning classes, all new undergraduate students and some former students returning are required to participate in an Orientation/Academic Advising/Registration program on the USF campus where they will take all or the majority of courses in the first semester at USF. These programs are designed to help new students become acquainted with the University, choose courses, register for classes, and complete all other necessary procedures. New students receive Orientation/Academic Advising/Registration information after admission.

Required Proof of Immunity

Prior to registering for classes which meet on campus, all students born after 1956 are required to present documentation of proof of immunity to MEASLES (Rubella) and RUBELLA (German Measles). (See Immunization Policy.)

Quota/Limited Access Programs

Undergraduates seeking entrance to quota/limited access degree programs must meet special program requirements in addition to requirements for admission to the University. While many quota/limited access programs admit students only at the junior level, some programs admit students for the freshman or sophomore years. The admission criteria and procedures for quota/limited access programs at USF furnish equal access to A.A. degree holders from Florida public community/junior colleges, transfers from other SUS institutions, and USF students of equivalent status. Transfer applicants with 90 or more transferable semester hours who are seeking admission to quota/limited access programs must meet the grade point average requirement specified by the program to be eligible for admission to USF.

USF, with approval of the Board of Regents and the Articulation Coordinating Committee, has established the following undergraduate programs as quota/limited access: Liberal Studies, Mass Communications, Social Work and the B.A.A.M.A. Program in Mathematics in the College of Arts and Sciences; all degree programs in the College of Business Administration; all degree programs in the College of Education; all degree programs in the College of Engineering; all degree programs in the College of Nursing and New College. The admission requirements for these degree programs may be found with other program information in appropriate sections of this catalog.

Minimum Requirements for Admission

Freshman Applicants

To be considered for admission, freshman applicants must submit an SUS or USF Application for Admission, a non-refundable application fee of $20.00, an official high school transcript, official GED scores if applicable, SAT or ACT scores, and a TOEFL score if applicable.

Although USF has minimum freshman admission requirements, meeting these minimum standards does not guarantee admission. Applicants selected for admission usually exceed the eligibility requirements; however, USF also considers applicants who do not fully meet minimum requirements but who have important attributes, special talents or unique circumstances that may contribute to a representative and diverse student body. These freshman applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of ability to do successful academic work at USF.

For purposes of admission, USF recomputes a high school grade point average (GPA) based on grades earned in all college preparatory academic courses. In recomputing a GPA, USF assigns additional weights to grades earned in honors, Advanced Placement courses and International Baccalaureate courses.

The University normally requires a diploma from a Florida public or a regionally accredited high school or the state-approved General Education Development (GED) diploma. Students admitted under the Early Admission Programs are exempted from this requirement. Students who are participating in an approved home schooling program are expected to provide acceptable copies of annual evaluations for the equivalent of grades 9 through 12. A portfolio or additional documentation may be requested if deemed necessary to complete an appropriate evaluation for admission. Other minimum requirements are outlined below.

1. Freshman applicants must submit an official test score from the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

2. For freshman applicants earning a high school diploma, the following college preparatory academic units (year-long courses or equivalents) normally offered in grades nine through twelve are required: four units of English (three of the four must incorporate substantial writing requirements); three units of mathematics (algebra I and above); three units of natural sciences (two of the three must incorporate substantial laboratory requirements); three units of social sciences (history, civics, political science, economics, sociology, psychology and geography); two units of the same foreign language; and four additional units of academic electives. Substitution for any high school unit requirement may be provided for applicants who are hearing impaired, visually impaired, dyslexic or who have a specific learning disability. Documentation of the disability and its relationship to the substitution of a unit requirement should be submitted with the application for admission.

3. Freshman applicants must minimally meet one of the following to be considered for admission in good standing;
however, satisfying these minimum requirements does not guarantee admission:

a. At least a "B" average (3.0 on a 4.0 scale), as computed by USF (an SAT or ACT score must be submitted but no minimum is required);

b. A combination of high school GPA (as computed by USF) and admission test scores equivalent to a 2.5 (on a 4.0 scale) and an SAT I verbal and quantitative combined score of 1010 or a comparable composite score on the ACT as indicated in the Admissions Scale below:

<table>
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<tr>
<th>H.S. GPA</th>
<th>REQUIRED TEST SCORE</th>
<th>SAT</th>
<th>SAT I*</th>
<th>ACT</th>
<th>EACT**</th>
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<td>1050</td>
<td>1140</td>
<td>24</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

*SAT taken after 3/31/98
**EACT taken after 10/31/89

c. A GED diploma with an overall score of at least 300 for all five tests and at least 50 on each of the five tests and an SAT I verbal and quantitative combined score of 1010 or an ACT composite score of 21 (also required for students in approved home schooling programs);

d. Appropriate alternative evidence of academic achievement, ability, motivation and responsibility that indicates potential for successful academic work at USF.

4. A first-time-in-college applicant whose native language is not English must present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 (computer-based test) or 500 and 547 (paper-based test) may be considered for admission with the condition that they must take a specified course of English classes. International students (non-resident aliens) must also comply with all requirements for admission of international applicants (next page).

5. First-time-in-college applicants seeking admission at the freshman level to a limited access degree program in Engineering must meet additional requirements specified by the program.

6. If a student has not earned the following scores on the SATI or the EACT, then college preparatory work will be required during the first term of enrollment at USF: SATI - 440 verbal, 440 mathematics
   or ACT - English 17, Reading 18, Mathematics 19.

Early Admission Applicants (Freshmen)

USF offers an early admission program to meet the needs of highly capable, mature high school students. Under the early admission program these students may enter the university as regularly enrolled, degree-seeking students prior to graduation from high school. Participation in the early admission program shall be limited to students who have completed a minimum of six semesters of full-time secondary enrollment, including studies undertaken in the ninth grade. In addition, early admission applicants should be enrolled in a strong college-preparatory curriculum while in high school. Applications for early admission will be reviewed by the Director of Admissions in conjunction with the Dean of Undergraduate Studies. Students enrolled in an early admission program must take courses that are creditable toward the high school diploma and the associate or baccalaureate degree.

Students wishing to be accepted as Early Admissions students at USF must:

1. Have completed the equivalent of the junior year, of high school, thus requiring only one additional year to complete requirements for the high school diploma;

2. Submit a completed SUS or USF Application for Admission and $20 non-refundable application fee.

3. Have proof of a 1200 on the SAT I with no less than 440 on SAT I V (Verbal) and 440 on SAT I Q (Quantitative); or a 27 on the EACT with no less than or a score of 17 on ACT English and EACT Reading and a score of 19 on ACT Mathematics, and a 3.5 high school grade point average (computed by USF) and a TOEFL score, if applicable;

4. Meet regular USF admission criteria for degree-seeking undergraduate students;

5. Submit a personal letter outlining reasons for seeking early admission;

6. Submit a signed statement of approval from high school principal or guidance counselor;

7. Submit completed Supplemental Information for Early Admission Form;

8. Submit a list of credits needed to graduate from high school;

9. Meet with USF Honors Program Director or Academic Advisor;

10. Home schooled students must submit an official copy of their Letter of Intent with the student's home school district;

11. Private school students must submit proof that their school is a Southern Association of Colleges and Schools (SACS) accredited school.

Undergraduate Transfer Applicants

Applicants with fewer than 60 transferable semester credits are considered lower-level transfers; upper-level transfers are those with 60 or more transferable semester credits (see below). Regardless of category, grade point averages (GPA) for purpose of admission will be computed based only on grades earned in courses that are acceptable for transfer credit and as calculated by USF.

USF accepts transfer credits only from institutions that are accredited by one of the regional accrediting agencies/collections recognized by USF at the time the credits are earned (See Equivalency of Transfer Credit). All credits earned during the period of time a regionally accredited institution was in a "candidacy" status for accreditation are considered for transfer credit. Credits earned at an institution that is currently in "candidacy" status will not be considered for transfer credit until such time as the awarding institution receives full regional accreditation. For an applicant applying from a non-regionally accredited school, the admissions decision will be based on prior work at a regionally accredited institution. If all post-secondary work is from a non-regionally accredited school, the evaluation will be based on the high school record and test scores and the applicant will be regarded as a freshman for purposes of admission.

USF reserves the right to evaluate specific courses and deny transfer credit. USF does not award transfer credit that is determined to be occupational or vocational in nature.

Lower-Level Transfer Applicants

(with fewer than 60 transferable semester credits)

To be considered for admission, transfer applicants with fewer than 60 transferable semester credits must submit an SUS or USF Application for Admission, a non-refundable application fee of $20.00, an official transcript from each previous college attended, an official high school transcript, official GED scores if applicable, official SAT or ACT scores, and a TOEFL score if applicable.

Lower-level transfer applicants must minimally meet the following requirements to be considered for admission in good
standing; however, satisfying these minimum requirements does not guarantee admission.

1. Be in good standing and eligible to return to the last regionally accredited institution attended as a degree-seeking student;

2. Have an overall “C” average (2.0 on a 4.0 scale) as calculated by USF in all college-level courses acceptable for transfer credit to USF. (In the calculation of the GPA, incomplete grades are computed as failures and course “repeats” are not forgiven when the courses are repeated at different institutions.);

3. Satisfy fully all freshman admissions standards as described in the previous section entitled “Freshman Applicants.” (Meeting freshman admission standards is a critical requirement for undergraduate applicants with fewer than 60 transferable credits. Board of Regents rules and policies do not provide for local exceptions to these requirements.);

4. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at the post-secondary level (as required by Florida Statute 240.233);

5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL) if the applicant’s native language is not English. The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 may be considered for admission on the condition that they must take a specified sequence of English courses. International citizens [non-resident aliens] must also comply with all requirements for international applicants.

USF also considers applicants who do not fully meet the minimum requirements as stated in #1. and #2. above but who have important attributes, special talents, or unique circumstances that may contribute to a representative and diverse student body. These undergraduate transfer applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of promise for academic success. These applicants should also submit appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that supports potential for academic success at USF.

Upper-Level Transfer Applicants
(with 60 or more transferable semester credits)

To be considered for admission, transfer applicants with 60 or more transferable semester credits must submit an SUS Application for Admission, a non-refundable application fee of $20.00, an official transcript from each previous college attended, and a TOEFL score if applicable.

Any transfer student with 90 or more semester hours who designates a desire for admission to a limited access undergraduate program must meet the overall admission GPA criteria of that program in order to be admitted to the University. Applicants with Associate of Arts (A.A.) degrees from Florida public institutions will be admitted as juniors into the University within curricular, space and fiscal limitations. A.A. degree holders seeking admission to quota/limited access degree programs must also meet all requirements specified by the desired program. The admission of Florida community/junior college students is governed by the Articulation Agreement between State universities and public community colleges in Florida.

Undergraduate transfer students who have not earned the A.A. degree from a Florida public institution or who have attended another college after receipt of the A.A. must meet the minimum requirements listed below to be admitted in good standing:

1. Be in good standing and eligible to return to the last regionally accredited institution attended as a degree-seeking student;

2. Have an overall “C” average as calculated by USF (2.0 on a 4.0 scale) in all college-level courses acceptable for transfer credit to USF. (In calculation of the GPA, incomplete grades are computed as failures and course “repeats” are not forgiven when the courses are repeated at different institutions.);

3. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at a previous college or university (as required by Florida Statute 240.233). Students who entered a Florida public community/junior college prior to August 1, 1989 and maintain continuous enrollment until the time of their USF entry as degree-seeking students may be admitted without the required foreign language study;

4. Meet the minimum grade point average required by the program if entering a quota/limited access program and transferring 90 or more semester hours;

5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 (computer-based test) or 500 and 547 (paper-based test) may be considered for admission on the condition that they must take a specific sequence of English courses. International citizens [non-resident aliens] must also comply with all requirements for international applicants.

USF also considers applicants who do not fully meet the minimum requirements as stated in #1. and #2. above but who have important attributes, special talents or unique circumstances that may contribute to a representative and diverse student body. These undergraduate transfer applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of promise for academic success. These applicants should also submit appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that indicates a potential for academic success at USF.

Students Entering the Florida Community College System and Planning to Finish their Degrees at USF

High school graduates planning to start their college education at a Florida community college should confer with the community college counselor and ask that their academic program be planned with the assistance of the USF Undergraduate Catalog (USF’s Community College Counseling Manual has been incorporated into this catalog) which is available in all counseling offices. This catalog, prepared by the USF Office of Undergraduate Studies, explicitly describes the undergraduate program requirements and Florida’s common prerequisites that should be followed to ensure maximum ease of transfer into the students’ upper-level programs on a par with their native USF counterparts.

Students Entering the Florida Community College System and Planning to Finish their Degrees in the State University System

An articulation agreement, in effect since April 13, 1971 and later adopted by the Florida Legislature in statute form as Florida law, governs an effective and orderly transfer of Florida community college students into the State University System (SUS). The agreement was formally signed in 1971 and the Agreement defines and establishes the Associate of Arts degree from a Florida public community/junior college as the basis for all articulation rights. Among these guarantees, the following are central to the transfer process:

1. A.A. graduates will be granted admission to a university within the SUS, but not necessarily to the university or program of choice.
2. A.A. graduates will have the same opportunity to enroll in a university limited access program as the native university student.

3. Upon transferring to a state university, A.A. graduates will be awarded at least 60 credit hours towards the baccalaureate degree, exclusive of occupational courses and basic required physical education courses.

4. Credits that are part of the A.A. degree earned through articulated acceleration mechanisms, such as dual enrollment, International Baccalaureate, early admission, advanced placement and credit by exam, will be transferable to the state university.

5. As participants in the Statewide Course Numbering System, receiving institutions must accept all courses taken at the transfer institution if the courses at each institution have the same prefix and the same last three digits of the course number.

6. The university catalog in effect the year the A.A. degree student first enrolled at the community college will remain in effect for the student’s entire program, provided the student maintains continuous enrollment as defined in that catalog.

7. Once a student has completed the general education core and this fact is noted on the transcript, regardless of whether or not an A.A. degree is awarded, no other state university or community college to which the student may transfer can require additional courses to the general education core. Included in these transfer guarantees is the right of appeal. Students may appeal to the university and to the Statewide Articulation Coordinating Committee. Students who have questions or want more information about the articulation agreement should contact the Office of Adult and Transfer Student Services.

Evaluation of Transfer Credit

1. The receipt and evaluation of transfer credit is the responsibility of the Office of Admissions. The Office of Admissions will evaluate the acceptability of total credits transferable to the University. The college of the student’s major will assign equivalent courses in determining which courses are applicable toward a specific degree at the University. In some instances, exact course equivalents will also be determined by other colleges which offer the same or similar courses as part of their programs of study. Transfer students should be prepared with personal copies of their transcripts of all past course work to discuss advisement and placement with the appropriate academic advisor and should contact the college of their major soon after registration so that an official evaluation may be completed.

2. USF will accept credits only from those institutions accredited by one of the regional accrediting agencies. Institutions accredited by one of the regional accrediting agencies at the time the credits are earned. (See “below for agencies recognized by USF.” Credits earned at an institution that is currently in “candidacy” status will not be considered for transfer credit until such time as the awarding institution receives full accreditation.

3. USF reserves the right to deny credit for specific courses.

4. Associate of Arts (A.A.) degree holders from Florida public institutions will be evaluated at the time the credits are earned. (See “below for agencies recognized by USF.” Credits earned at an institution that is currently in “candidacy” status will not be considered for transfer credit.

5. Effective Fall Quarter 1976, all courses from a Florida Community College/University bearing the same State Common Course prefix and last three numbers as a USF course are automatically transferred and transfer students may not be required to repeat these courses, unless a college age-of-record policy is involved. Included are graduate courses, studio courses in art, internships, practicums, and performing arts courses such as dance, theater performance, voice, and instrumental music.

6. Virtually all USF baccalaureate degrees require that at least 60 semester hours be earned from a baccalaureate-granting institution regardless of credit hours transferred from a community/junior college unless the student has received prior approval for waiver of this policy from the college of his/her intended major. This policy does not affect approved articulated programs based on the A.S. degree. For information regarding specific articulated A.S. degree programs, consult the Office of Adult and Transfer Student Services.

7. Credit will not be awarded for GED tests.

8. Military service school courses will be evaluated with reference to the recommendation of the American Council on Education when official credentials have been presented. Such recommendation, however, is not binding upon the University.

9. For ROTC and military science courses taken after Fall Quarter 1975, the maximum credit will vary with each college. A student must confer with his/her college advisor to determine the acceptability for his/her major. ROTC and military science taken prior to Fall 1975 are not acceptable for transfer credit.

10. A maximum of 45 semester hours of College Level Examination Program (subject and general examinations) credits can be accepted for transfer credit.

11. A maximum of 30 semester hours of extension, correspondence, and military service education credits can be applied toward a degree.

12. Grades earned in transferred courses are not computed in the student’s USF GPA except for the purposes of admission to limited access programs, the awarding of honors at graduation, and class ranking of baccalaureate students.

13. International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student.

14. A continuously-enrolled USF degree-seeking student must obtain prior written approval from the college of the student’s major in order for courses taken at other regionally-accredited institutions to be applied to the USF degree program.

Graduate Applicants

Graduate applicants should refer to the USF Graduate Catalog.

International Applicants (non-resident aliens)

To be considered for admission, international applicants (non-resident aliens) must submit a USF International Student Application for Admission, a non-refundable application fee of $20.00 payable in U.S. dollars, a TOEFL score if applicable, a Statement of Financial Responsibility, undergraduate or graduate admissions test scores as specified for appropriate applicant category, transcripts showing subjects and grades from the first year of secondary work to the time of application, and a Visa Clearance Form (if currently in the U.S.). Transcripts in a language other than English must be accompanied by a certified English translation.

International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student. Information about recommended and approved independent evaluators is available from the Office of Admissions. An international applicant (non-resident alien) must meet all admission requirements for the appropriate applicant category (freshman, undergraduate transfer, graduate). Other minimum requirements are as follows:
1. An international applicant whose native language is not English must present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 (computer-based test) or 500 and 547 (paper-based test) may be considered for admission with the condition that they must take a specified sequence of English courses.

2. International applicants must be in good standing at the last institution attended.

3. International applicants must submit the USF Financial Statement substantiating availability of financial resources sufficient to cover all educational, maintenance, and personal expenses while attending USF, without financial assistance from the University.

4. International applicants seeking admission to limited access undergraduate degree programs must also meet all requirements specified by the program.

Transit Applicants
An undergraduate transit student is one who comes to the University from another regionally accredited institution and wishes to take courses at USF for one term only before returning to the parent institution. Transit students may enroll at USF as non-degree-seeking students. (See Non-Degree-Seeking Students.)

Honors at USF
Tampa and St. Petersburg Campuses
Superior students in all majors may avail themselves of Honors opportunities at USF’s Tampa and St. Petersburg campuses. University Honors Four Year Track is designed for first-time-in-college students. University Honors Two Year Track is designed for transfer or upper-level students. These exciting experiences are grounded in the liberal arts tradition and intended for students regardless of major. The primary goals of University Honors are the development of critical thinking skills, an appreciation of the liberal arts tradition and the development of creative, independent thought. (See complete description in Undergraduate Studies.)

Potential University Honors Four Year Track students are actively recruited. Any interested student who feels that he/she is qualified may request admission. Students typically have 3.75 high school GPAs and 1300 SAT I or 30 ACT scores. Many scholarships are available for Honors students.

Potential University Honors Two Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request admission. Students typically have 3.50 college GPAs and 1270 SAT I or 29 ACT scores. Many scholarships are available for Honors students.

Departmental Honors opportunities are available in selected departments that wish to offer Honors-level work for superior students majoring in their disciplines. Requirements vary according to department, but all require the completion of a Thesis. Students may enroll in both University and Departmental Honors. Students in two Honors programs are required to complete only one thesis.

Admission to University Honors is determined by the University Honors Committee and the Director of Honors. Admission to Departmental Honors is determined by the individual department. Students who satisfactorily complete Honors and graduate with at least an overall GPA of 3.3 and a USF GPA of 3.3 shall be identified as Honors Graduates at Commencement as well as on their diplomas and transcripts.

Scholars’ Community
The USF Scholars’ Community is for Tampa campus students who have high school GPAs of 3.50 and SAT I scores of 1200 or EACT scores of 27. Students in the Community who wish to participate in Honors should discuss this with the Director of Honors.

Students in both the Community and in Honors have the option of living in the Honors residence hall on campus, an environment that offers participants the opportunity to enrich their college experience by socializing and studying with academic peers. Organized social activities and projects are carefully planned by students. The Honors Band performs regularly and students have the opportunity to go to conferences and conventions. Honors and Scholars’ Community students are among the first to register each semester. Special advising and counseling are always available to students in the Honors and Scholars’ Community.

Learning Communities
Specially designed for beginning freshmen, the Learning Communities at the main campus in Tampa allow students to complete most of their General Education Requirements during their first two years as part of a community of 50 students and selected faculty. Students take two or three courses within the Learning Community each term, in addition to two or three courses outside the community. The Learning Community classes are challenging, interdisciplinary courses that are taught by faculty who utilize interactive teaching methods. Students are active participants in their education. The interdisciplinary focus of all communities helps students make connections between the various disciplines that comprise the General Education curriculum, while including the dimensions of values/ethics, international and environmental perspectives, race/ethnicity, and gender. Through an approach called “writing across the curriculum,” students develop critical thinking and writing skills as they write about the subjects they are studying in the community. In addition, students in the Learning Communities communicate with each other through e-mail, and develop information literacy and library research skills through the use of the World Wide Web.

Several distinct Learning Communities are available each year, focusing on different themes, with one community reserved for students who wish to live on campus in the same residence hall. Selection of students for the Learning Communities is based on space availability at the time of application, but generally the program is open to all first-year students who are qualified to begin ENC 1101 (minimum SAT Verbal 440 or EACT English 17). Students who wish to apply for the Learning Communities should be flexible and open to non-traditional instructional methods. Interested students may phone Kimberly Williams (813) 974-6798, email williams@chuma1.cas.usf.edu, or visit our Web site at http://www.usf.edu/~lc/.

Other General Information

Evening Courses
The admission requirements and achievement levels in the day and evening courses are the same. Any student accepted to the University may enroll in any appropriate courses offered in the evening.

Opportunities for Accelerated Progress Toward Undergraduate Degrees
USF provides several options by which students may accelerate their progress toward completing the baccalaureate degree. These options recognize knowledge which has been acquired prior to or during attendance at USF and provide the opportunity to earn University credit. Options which may be used include the following:
1. Recognition of satisfactory performance on tests offered through the College Level Examination Program (see CLEP).
2. Recognition of satisfactory performance on tests offered through Advanced Placement Programs of the College.
Enrollment Examination Board (see Advanced Placement Program). 
3. Dual enrollment as a non-degree-seeking student at USF prior to graduation from high school or a community college (see Dual Enrollment [Public/Private High/Home School]). Community college students should follow eligibility criteria for non-degree seeking students (below). 
4. Early admission for high school students (see Early Admission Freshmen).
5. Educational Outreach courses by television.

Credits may be earned through a combination of the above options. Students should contact their college advisors for further information concerning the application of this credit toward their degree requirements.

Internal devices (such as auditions, portfolio reviews, and placement tests) utilized in the various departments for the sole purpose of determining a student’s most appropriate area, level, or section placement in a program of study are not to be construed as examining mechanisms for the granting of credit.

Non-Degree Seeking Student
Non-degree seeking student enrollment is on a space-available basis and has been established for those individuals who, while not desirous of earning a degree, would like to enroll in all levels of university courses. Teachers needing to take courses for certification purposes, high school students (with the permission of their respective guidance counselor), individuals desiring of taking courses for self-enrichment, and senior citizens are examples of those eligible to utilize this enrollment method. Former USF undergraduate degree-seeking students may only enroll as non-degree seeking students if they have completed their previous degree program or earned an equivalent degree at another institution. Should the latter be the case, an official transcript (reflecting the degree) from that institution must be sent to the USF Office of the Registrar (Attention: Student Records Area) prior to registration.

Individuals enrolling as non-degree seeking students who plan to make formal application to the University may not apply more than 14 semester hours toward an undergraduate degree.

Applicants denied admission to USF as degree-seeking undergraduates may not enroll as non-degree seeking students. Performance in courses taken in this category will not qualify an applicant for admission as a degree-seeking student.

A non-degree-seeking student who has been dismissed from USF is not eligible for admission to USF as a degree-seeking student at the undergraduate level. If extenuating circumstances contributed to the academic dismissal and the student meets other admissions requirements, a request for waiver of this rule may be submitted to the Faculty Committee on Student Admissions. This rule does not apply to a student who has earned a degree from a regionally accredited institution subsequent to academic dismissal.

Non-degree-seeking students are subject to the same academic policies as undergraduate degree-seeking students and must adhere to deadline dates published in the University Schedule of Classes. Non-degree seeking students are not eligible to receive University honors or participate in the USF/Forida Public Community College cross-registration program. Non-degree-seeking students also are not eligible to live in University housing or receive financial aid. Non-degree seeking students are subject to the academic probation and dismissal policy listed in this catalog. Non-degree seeking students who are academically dismissed from the University may appeal to the Academic Regulations Committee (ARC) through the ARC representative for Academic Support and Achievement/Center for Academic Advising to return. Potential non-degree seeking students should also refer to the section of the catalog of the college(s) offering the course(s) of interest to them to determine whether any special college requirements exist which must be met prior to enrolling.

NOTE: Prior to registration for classes which meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella. Students born after December 31, 1956 must also submit proof of immunity to measles. (See Immunization Policy.)

*Senior Citizen Tuition Waiver
Florida residents who are 60 years of age or older by the first day of a respective semester/term may enroll in certain undergraduate or graduate courses, on a space-available basis, without paying tuition. Academic credit is not awarded, examinations are not required, and grades are not given.

An orientation-registration session is held at the beginning of each semester for the Senior Citizen Tuition Waiver program. Information, registration forms, and advising for senior citizens are available at these sessions or by contacting the Division of Senior Programs for further details.

* See Florida residency requirements in this catalog.

Dual Enrollment (Public/Private High/Home School)
Dual enrollment in USF classes is open to academically qualified students currently enrolled in public/private high schools who are recommended by their guidance counselor or principal and to home school students. During dual enrollment, the school or home school students may only take courses which are creditable toward their high school diploma.

Students wishing to be accepted as Dual Enrollment students at the University of South Florida must:
1. Be at least 16 years old at start of term, unless enrolled in a special summer program initiated by USF or a special course section involving only dual enrollment students;
2. Have proof of a minimum of 420 on SAT I (Verbal) and 440 on SAT I (Quantitative); or a score of 16 on EACT English and EACT Reading and a score of 18 on EACT Mathematics; or appropriate placement test scores; and a TOEFL score, if applicable.
3. Have (a) completed the equivalent of the sophomore year, (b) achieved a grade point average of 3.0 or higher on a 4.0 scale (as calculated by USF), and (c) satisfied any course prerequisites;
4. Provide a list of courses and the number of credits necessary to complete high school diploma from the school counselor or principal on school stationery;
5. Students interested in early admission or dual enrollment must contact the University Honors Program (FAO 274, 4202 E. Fowler Avenue, Tampa, FL 33620) for complete information and student qualifications.

NOTE: Prior to registration for classes which meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella to the Student Health Service. Students born after December 31, 1956 must also submit proof of immunity to measles. (See Immunization Policy.)

Readmission (Former Students Returning)
A former student returning (FSR) is any degree-seeking undergraduate student who has not earned his/her degree, who has not been enrolled at USF in any of the last three terms, and who wishes to re-enroll in the University. Former students returning must be readmitted to the University. In order to be considered for readmission, a former student should file a new Application for Admission with the Office of Admissions by the deadline indicated in the Academic Calendar for the term of re-admission re-entry. A new application fee is not required. (Former College of Education majors must contact the College of Education Advising Office for additional readmission requirements.)

To be readmitted, a student must meet the following requirements:
1. Be eligible to return to the University of South Florida; and
2. Be in good standing and eligible to return to the last institution attended as a degree-seeking student; and
3. Have achieved a GPA of at least 2.0 as calculated by USF on a 4.0 scale on all college-level academic courses attempted at institution(s) attended since last enrolled at USF.

Students who have attended one or more institutions since their last enrollment must request official transcripts of all work attempted at the other institution(s) be sent to the USF Office of Admissions. Acceptability of transfer credits toward completion of USF degree programs will be determined by the college of the student’s major.

Prior to registering for classes, former students returning who have been readmitted are required to participate in an orientation program on the USF campus where they will take all or the majority of their courses. Former students returning will receive orientation information after readmission.

Transient students and non-degree-seeking students are not considered former students returning. These students who wish to enter as degree-seeking students must file an application with the Office of Admissions prior to the deadline listed in the Academic Calendar for the requested term of entry. Former USF students who have earned the baccalaureate degree at USF or at another institution and who now wish to return to USF to earn another undergraduate degree must file an Undergraduate Application for Admission with the Office of Admissions. No application fee is required. A student may not work on a second undergraduate degree if he/she has been accepted into a graduate program.

NOTE: Prior to registration for classes which meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella to the Student Health Service. Students born after December 31, 1956 must also submit proof of immunity to measles. (See Immunization Policy.)

Florida Community College System

High school graduates planning to start their college education at a Florida community college should confer with the community college counselor and ask that their academic program be planned with the assistance of the USF Undergraduate Catalog (USF’s Community College Counseling Manual has been incorporated into this catalog) which is available in all counseling offices. This catalog, prepared by the USF Office of Undergraduate Studies, explicitly describes the undergraduate program requirements and Florida’s common prerequisites that should be followed to ensure maximum ease of transfer into the students’ upper-level programs on a par with their native USF counterparts.

Articulation Agreement

An articulation agreement, in effect since April 13, 1971 and later adopted by the Florida Legislature in statute form as Florida law, governs an effective and orderly transfer of Florida community college students into the State University System (SUS).

The agreement defines and establishes the Associate of Arts degree from a Florida public community/junior college as the basis for all articulation rights. Among these guarantees, the following are central to the transfer process:

Admission into the State University System
1. A.A. graduates will be granted admission to a university within the SUS, but not necessarily to the university or program of choice.
2. A.A. graduates will have the same opportunity to enroll in a university limited access program as the native university student.
3. Upon transferring to a state university, A.A. graduates will be awarded at least 60 credit hours towards the baccalaureate degree, exclusive of occupational courses and basic required physical education courses.
4. Credits that are part of the A.A. degree earned through articulated acceleration mechanisms, such as dual enrollment, International Baccalaureate, early admission, advanced placement and credit by exam, will be transferable to the state university.
5. As participants in the Statewide Course Numbering System, receiving institutions must accept all courses taken at the transfer institution if the courses at each institution have the same prefix and the same last three digits of the course number.
6. The university catalog in effect the year the A.A. degree student first enrolled at the community college will remain in effect for the student’s entire program, provided the student maintains continuous enrollment as defined in that catalog.
7. Once a student has completed the general education core and this fact is noted on the transcript, regardless of whether or not an A.A. degree is awarded, no other state university or community college to which the student may transfer can require additional courses to the general education core. Included in these transfer guarantees is the right of appeal. Students may appeal to the university and to the Statewide Articulation Coordinating Committee. Students who have questions or want more information about the articulation agreement should contact the Office of Adult and Transfer Student Services.
Florida Residency For Tuition Purposes

This notice summarizes the provisions of 240.1201 Florida Statutes, BOR Rule 6C-7.05 and University Policy/Procedure concerning Florida Residency for tuition purposes.

In determining residency classification, students fall into one of two categories. They are either independent students (students not claimed on parent’s or legal guardian’s federal income tax statement or whose parents do not provide 50% or more of their support) or dependent students (students, regardless of age, who are claimed as dependents by parent or legal guardian on federal income tax statement or whose parents provide 50% or more of their support).

The law basically requires that a U.S. citizen/permanent resident alien/independent student or a dependent student’s parent/legal guardian has established and maintained a LEGAL Florida residence for at least twelve (12) months before the first day of classes of the term for which Florida residency status is sought.

USF is required to obtain documentation of 12 months’ legal residence before a student is classified as a Florida resident for tuition purposes. A student is required to request Florida residency in writing and submit supporting documents no later than the fifth day of classes in the term for which classification is sought.

The following is acceptable, nonconclusive evidence of the establishment of a legal residence in Florida. At least one such document must be dated/issued at least 12 months before the first day of classes of the term for which Florida residency is sought.

1. Proof of purchase of permanent home in Florida.
2. Declaration of Domicile.
3. Florida’s driver’s license.
4. Florida voter’s registration.
5. Florida vehicle registration.
6. Florida vehicle title.
7. Professional/occupational license in Florida.
8. Florida incorporation or other evidence of legal residence in Florida.

PLEASE NOTE: Rent receipts, leases, employment records, tax returns, school/college records are NOT evidence of establishing a legal Florida residence. Students who are dependent on out-of-state parents or who come to Florida for educational purposes are generally ineligible for reclassification to Florida status.

In rare cases, the law allows some students (e.g., military, public school teachers, etc.) who do not meet the basic requirements to be classified as Florida residents for tuition purposes. For more information about exceptional categories, contact the Admissions Office, the Office of the Registrar, or the Office of the General Counsel.

Fees

The levels of the Activity and Service Fee, the Health Fee, and the Athletic fee are determined on each campus by a student fee committee appointed by the President of the University and the Student Government President. The committee includes USF faculty and students with the majority of the committee being students. The fees may be reviewed on a yearly basis.

The following fee schedule applies to all USF students with the exception of those in the Bachelor of Independent Studies, External Degree Program. For information on the BIS Program fees see paragraph 2b below.

Registration fees are assessed in accordance with Board of Regents rules. All fees are subject to change without prior notice. The University will make every effort to advertise any such changes if they occur.

1. Initial Application Fee
   (Each application - not refundable) $20.00
2. Tuition
   Schedule/Fee Statements are no longer mailed. Tuition is due by the fifth day of each term. To find out the amount of the total tuition (the amount will not reflect any payments made on the account), students can bring a photo ID to the Registration HelpDesk located in the Registrar's Lobby, SVC 1034, and request a Registration Confirmation which will reflect total tuition and fees.

The student is responsible for paying fees in full by the appropriate due date stated in the particular term’s "Schedule of Classes." Failure to do so may result in cancellation of the student’s registration. Fees paid by mail must be postmarked by the post office, not office meter stamped, on or before the fifth day of the term. Checks are payable to USF.

To avoid a $50.00 late payment fee, all tuition fees must be paid or postmarked by the U.S. Post Office, not office metered, by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal mail. A student whose registration has been cancelled may request registration reinstatement through the fourth week of class for the academic term. Upon approval for reinstatement, all fees and other debts owed to the University must be paid in full by cash, money order, or cashier’s check before reinstatement will be affected.

a. Spring 2001 Tuition Fee Structure

   Tuition Fees are estimated only/subject to change.

   Tuition Fees are assessed by course level, not student classification.

   Campus/Course Level            Resident  Non-Resident*
   Tampa Campus:
   0001-4999 Undergraduate $78.45/hr   $323.04/hr
   5000-Over Graduate  $154.92/hr   $533.68/hr

   Tampa OU & Off Campus Credit Courses:
   0001-4999 Undergraduate $73.39/hr   $317.98/hr
   5000-Over Graduate  $149.86/hr   $528.62/hr

   St. Petersburg Campus:
   0001-4999 Undergraduate $70.05/hr   $315.14/hr
   5000-Over Graduate  $147.02/hr   $525.78/hr

   St. Petersburg OU & Off Campus Credit Courses:
   0001-4999 Undergraduate $69.95/hr   $314.54/hr
   5000-Over Graduate  $146.42/hr   $525.18/hr

   New College - Sarasota:
   0001-4999 Undergraduate $73.74/hr   $318.33/hr

   Sarasota Campus:
   0001-4999 Undergraduate $70.67/hr   $315.26/hr
   5000-Over Graduate  $147.14/hr   $525.90/hr

   Sarasota: OU & Off Campus Credit Courses:
   0001-4999 Undergraduate $68.67/hr   $313.26/hr
   5000-Over Graduate  $145.14/hr   $523.90/hr

   Lakeland Campus:
   0001-4999 Undergraduate $85.79/hr   $310.38/hr
   5000-Over Graduate  $142.26/hr   $521.02/hr

   Lakeland: OU & Off Campus Credit Courses:
   0001-4999 Undergraduate $65.79/hr   $310.38/hr
   5000-Over Graduate  $142.26/hr   $521.02/hr

*See "Resident Status," above

Flat Fees:

Tampa Campus: $17.00
Regional Campuses: $5.00

NOTE:

(1) There is no ceiling (maximum) on the amount which a student may be assessed for a single term.

(2) A lab fee of $8.00 to $15.00 is charged on certain courses. Please consult your class schedule to locate the courses that require the fee and the amount of fee that applies to the course.
FINANCIAL INFORMATION

(5) Students who only register for a co-op assignment must pay a minimum of one (1) hour at the level of the co-op assignment.

(4) Cashier's Office Hours - Regular Registration - See regular registration dates and times in "Schedule of Classes." Regular Cashier's Office hours are Monday, Thursday, Friday from 9:00am - 5:00pm and Tuesday, Wednesday from 10:00am - 6:00pm.

(5) Tuition Payment should be mailed to:

Tuition/Purchasing and Financial Services
University of South Florida, ADM 147
4202 E. Fowler Avenue
Tampa, Florida 33620-5800

b. Estimated Bachelor of Independent Studies Fees

<table>
<thead>
<tr>
<th></th>
<th>Resident</th>
<th>Non-Resident</th>
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</thead>
<tbody>
<tr>
<td>Application Fee</td>
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<tr>
<td>1st Study Area</td>
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<tr>
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<td>4,419.15</td>
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<tr>
<td>Seminar</td>
<td>1091.25</td>
<td>4,419.15</td>
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<tr>
<td>2nd Study Area</td>
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<td>Seminar</td>
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<tr>
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<tr>
<td>Total*</td>
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</table>

*Fees do not include books, on-campus seminars, housing or food service and may change without notice.

c. Off-Campus College of Education Courses

Students enrolling for off-campus (Continuing Education) courses will be assessed fees according to the fee structure "a" above. Continuing Education courses are designated by the "700 series" section number. The "Schedule of Classes," which is printed each semester, should be used as a reference for updated information.

3. Late Registration Fee

All degree seeking students who initiate (i.e., those students who have not enrolled for any courses during early or regular registration) their registration during the late registration period will be automatically assessed a $100.00 late registration fee.

4. Financial Aid Disbursement

Upon satisfaction of eligibility criteria, financial aid awards will be credited to student accounts after the drop/add period is over. Monies in excess of charges will be mailed to students' local addresses.

5. Cancellation for Non-Payment of Fees

Students not on an authorized deferred payment of fees and who have not paid their tuition fees in full by a specified day (per "Schedule of Classes") will have their registration for that term cancelled. This means, specifically, that a student will receive no credit for any courses taken during that term.

6. Intern Certificate of Participation

Individuals who have supervised internships may register for courses during a term by presenting their intern Certificate of Participation.

Prior to July 1, 1997, the Intern Participation Certificate stated that all fees were waived with the exception of the Bond and Trust Fee which was $4.76 per credit hour. Certificates were valid for five years from the date of issuance.

The new Intern Participation Certificate effective July 1, 1997 states that certificate holders are entitled to a waiver of only matriculation fees for a maximum of six (6) credit hours instruction during a single term. Certificates are valid for three years from the date of issuance.

Fees must be paid or postmarked by the U.S. Post Office (not office meter marked) by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal mail.

7. Staff Employee Waivers

The University is currently reviewing options to provide a successor to the former tuition waiver benefit. Please check with Human Resources regarding this benefit.

8. Tuition Deferment for VA Students

Students receiving VA benefits who have applied in writing no later than the date specified in the "Schedule of Classes" for the deferment in Veterans Services have until a specified date (see Schedule of Classes) to pay tuition in full.

9. Florida Prepaid College Program

Students who are eligible to receive benefits under this program are responsible for the local portion of fees. These fees per credit hour are:

- $19.32 Tampa Campus
- $11.54 Sarasota Campus
- $11.42 St. Petersburg Campus
- $6.66 Lakeland Campus
- $14.26 Tampa YOU
- $9.54 Sarasota YOU

Tuition must be paid or postmarked by the fifth day of the term to avoid being cancelled or charged the $50.00 late payment fee.

10. Mailed Payments

To avoid cancellation of registration or a $50.00 Late Payment Fee, all fees payments must be postmarked by the post office no later than the applicable fee payment deadline listed in the Academic Calendar.

11. Returned Registration Checks

A student's current registration is subject to cancellation if the check presented in payment of those fees is returned to the University unpaid. Dishonored fee payment checks must be redeemed within 10 calendar days to avoid cancellation of a student's current registration. A $50.00 Late Payment Fee and a $15.00 administrative charge will be assessed on any registration check returned unpaid to the University.

12. 2000/2001 Room Rent for Double and Single Occupancy*

Room rent is paid in accordance with information in the Student Housing Contract.

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Spring Only</th>
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</thead>
<tbody>
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<td>Holly</td>
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13. Meal Plans 2000-2001*

Meal Plan Selections for New Residents

(All students who have not lived in the residence halls prior to the 1998-99 academic year are required to purchase a meal plan and must select from the following eight choices.)

- $1295.00
- $1195.00
- $1170.00
- $1095.00
- $995.00
- $995.00
- $915.00
- $915.00

Meal Plan Selections for Returning Residents

(Returning residents may select from the five options below or any of the above eight options.)

- $1095.00
- $1010.00
- $870.00
- $770.00
- $915.00

*Meal Plans are subject to change.
To find out about these or to sign up simply stop by the Dining Services office located in the Argos Center or call (800) 775-MEAL (6325). In Tampa, call (813) 974-4385.
*Rates subject to change
**Please add sales tax

Refund of Tuition/Fees Payment
Release of Tuition/Fees Liability

The following refunds, less deductions for unpaid debts to the University, are authorized. A Refund Request form must be completed and presented to Cash Collections, ADM Rm 106, in the Division of Purchasing and Financial Services to initiate the refund process. A two-week waiting period is observed for each refund to be sure checks have cleared.

- 100% of registration fees and tuition will be refunded if notice of withdrawal from the University is approved prior to the end of drop/add period and written documentation is received from the student.
- 25% of registration fees and tuition paid less building and capital improvement fees, will be refunded if notice of withdrawal from all courses from the University is approved prior to the end of the fourth week of classes (summer term is prior to the end of the third week of classes) and written documentation is received from the student.

Fee Adjustment Request After Fifth Day of the Term

Effective January, 1989, USF approves a refund of 100% of the tuition and registration fees if a student withdraws or drops a course due to circumstances determined by the university to be exceptional and beyond the control of the student. Requests for fee adjustments must meet one of the conditions below to be considered.

- 100% of registration fees and tuition will be refunded when a student withdraws or drops a course due to circumstances determined by the University to be exceptional and beyond the control of the student, including but not limited to:
  1. Illness of a student of such severity or duration, as confirmed in writing by a physician, to preclude completion of the course(s).
  2. Death of the student or death in the immediate family (parent, spouse, child or sibling) as confirmed by documentation indicating the student's relationship to the deceased.
  3. Voluntary call to active military duty.
  4. A situation in which the university is in error as confirmed in writing by an appropriate University official.
  5. Other documented exceptional circumstances beyond the control of the student which precluded completion of the course(s) accompanied by letter of explanation and appropriate documentation.

b. Students who receive financial aid and subsequently change their enrollment status which results in a refund in accordance with this subsection, may have all or a portion of their refund returned to the University's financial aid programs in accordance with the Financial Aid Policy on Refunds and Repayments.

Payment of Accounts Due the University

Charges against students for loss or breakage of University equipment, books, fines and other charges are due immediately. Delinquent accounts may be considered sufficient cause for cancellation of registration. University regulations prohibit registration, or release of transcript, diploma, or grades for any student whose account with the University is delinquent. Payments should be brought into the cashier's office in the Administration Building or mailed to Purchasing and Financial Services, USF, 4202 E. Fowler Avenue, Tampa, FL 33620-5800 by the appropriate deadline.

Financial Aid

In addition to finding a wealth of information on the Web regarding your financial aid, you can apply for aid and monitor your application at USF via the Financial Aid Web: http://usfweb.usf.edu/finaid and via OASIS Web: http://usfonline.admin.usf.edu/.

Complete and submit the FAFSA. Be sure to include the University of South Florida in step six: http://www.fafsa.ed.gov/.

Paper versions are also available from the Office of Financial Aid, SVC 1102, or you may call (813) 974-3730 and request one.

Since many programs are funded on a limited basis, it is to your advantage to apply early. Priority application dates and detailed information regarding financial aid are provided each year in the Financial Aid Handbook and on our Web site. Conduct a nationwide scholarship search: http://www.fastweb.com/

and check out USF's scholarship information: http://usfweb.usf.edu/finaid/Scholarship%20Information%20Page.html via the Web site as well.

You may receive an automatic tuition deferment, if funds are delayed. A tuition deferment prevents your classes from being cancelled and temporarily prevents assessment of a late payment fee. Since deferments prevent cancellation for non-payment, you must officially withdraw from all classes to be relieved of liability to pay and to ensure that tuition is not paid by disbursed financial aid. Use OASIS to check and see if you have a tuition deferment.

Short-term loans are also available for limited use. The deadline for deferred tuition payment and details about short-term loans are printed in the semesterly Schedule of Classes.

Because we are required by federal regulations to verify the last date of attendance in classes, at the end of each semester, the Office of Financial Aid mails letters to financial aid recipients who appear to have unofficially withdrawn. (Your semester grades are all F, U, or I.) Your last date of attendance may be considered the last date you submitted an assignment or took an exam, or your last date of actual attendance in classes. This letter requires a response within 14 days, or it will be assumed you did not attend beyond the 50% point of the term. This may require you to repay a portion of federal financial aid received.

Each campus has a financial aid representative. Tampa (813) 974-4700; Lakeland (941) 667-7038; Sarasota/New College (941) 359-4255; St. Petersburg (727) 553-1128. If you are outside the calling area, call us at 1-877-USF-BULLS.

Academic Scholarships

Academic scholarships are administered by a number of different offices within the University.

1. The Office of Admissions administers a variety of different scholarships for first-time-in-college students. All first-time-in-college students interested in academic and minority scholarships should contact the Admissions Office directly.
2. The Office of Adult and transfer Student Services administers a variety of different scholarships for transfer students. All transfer students interested in academic and minority scholarships should contact the Office of Adult and Transfer Student Services directly.
3. All financial aid applicants are automatically considered for scholarships administered through the Office of Financial Aid, if applications are completed by the priority application dates published each year in the Financial Aid Guide.
4. The individual colleges of the University (the College of Business, the College of Education, etc.) administer some scholarships directly through the Dean's Office in each college. New students and transfer students are advised to contact the USF Admissions Office or the Office of Adult and Transfer Student Services first, and then the individual colleges regarding scholarship opportunities.
5. For non-Florida residents, a limited number of out-of-state tuition waivers are available based on academic performance. New students and continuing students are eligible.
to apply for these awards. New students will be considered for the waiver based on their performance in high school or transfer institution. Continuing USF students will be considered for the waiver based on cumulative academic performance at USF. For information contact the Scholarship Coordinator in the Office of Admissions.

First-time-in-college students with general inquiries regarding scholarships should contact the Scholarship Coordinator in the Office of Admissions.

Transfer students with general inquiries regarding scholarships should contact the Office of Adult and Transfer Student Services.

Currently enrolled students should contact the individual college in which they are registered or access information through the Office of Financial Aid Web page.

Parking and Transportation
Do you have to have a parking permit?
Parking permits are required for all vehicles parking at the University of South Florida 24 hours a day, 7 days a week. Each person may purchase only one vehicle permit (additional permit for motorcycle and/or bicycle are allowed). Permit campus designation is based on home campus/class location. Parking permit fees vary based on parking lot location. If you don’t have a permit, you must park at a metered parking space. (For additional permit information, call 974-3990 or visit our website, listed below).

Do Visitors need a parking permit?
Yes. Effective August 1, 1999 a daily parking fee of $2.00 for a daily permit was implemented. The Fee is applicable to visitors and event attendees that park in the following visitor lots: Crescent Hill Garage, lots 3C, 3D, 6, 18, 19, 23, 35, 38C, 38T, or, visitors can choose metered parking during their visit. Visitors and event attendees may continue to park free (with a courtesy permit for Park-N-Ride lots issued by Parking and Transportation Services) in lots 43, 18A, and 188 and take advantage of the Campus Shuttle to travel to their destinations on campus (Faculty, staff, students and vendors will not be eligible for these permits). Free courtesy permits for Park –N-Ride lots are available up to 3 times a month.

How do you obtain a permit?
Parking permits may be purchased on the Tampa Campus at the Campus Information Center (off of Fowler at the main entrance) or the Parking and Transportation Services Building (corner of Maple and Fletcher Avenue). Daily visitor parking permits can also be purchased from parking permit machines located within designated Visitor parking lots. On the St. Pete and Sarasota Campuses permits may be purchased at the Police Departments. (A copy of the vehicle registration and a valid driver’s license is required.) For additional information, call 974-3990.

Is there a bus on campus?
Shuttle bus service is provided FREE to USF faculty, staff, students, and visitors. Routes cover the entire USF Tampa Campus and also travel to University Mall from 11am to 2pm. Shuttle Maps and schedules are available detailing route information. For additional information, call 974-3990.

How can I get help when I have a problem with a vehicle?
Low Tire? Keys locked in car? Need to jump-start your car? Call Parking and Transportation Services at 974-3990, option #5. This FREE service is provided from 8:00am until 8:30pm Monday through Thursday and Friday 8:00am until 4:30pm (except Holidays).

What happens if you get a parking ticket?
Parking regulations are designed to provide safe and orderly parking. Violation of these regulations can result in parking citations, immobilization of your vehicle, towing, or loss of parking privileges. Creating, modifying, or altering a parking permit is a serious parking violation and will result in immediate immobilization or towing of the vehicle. Respond to parking citations within 7 business days of issuance to avoid late fees. Most common citations are for no decal, expired parking meter, and parking out of assigned area. For additional information, call 974-3990.

Questions?
Additional information may be obtained by calling 974-3990 or by visiting the Parking and Transportation Services website located at http://usfweb.usf.edu/parking_services. Customer Service hours of operation (subject to change): Monday and Thursday 7:30am to 5pm, Tuesday and Wednesday 7:30am to 6pm, and Friday 7:30am to 3pm.

Special Services
Department of Veterans Affairs (VA) Benefits
USF is approved for the education of veterans, eligible dependents, members of the selected reserve, and active-duty personnel who are eligible for benefits under public laws now in effect. All degree programs currently offered at USF are approved by the State Approving Agency.

Students who may be eligible for benefits are urged to contact Veterans Services for information, procedures, and forms as early as possible. To initiate, change, or renew benefits at USF, a request must be submitted through that office.

To be eligible for full-time VA benefits at USF, undergraduate students must enroll for 12 or more semester hours, and graduate students must enroll for 9 or more semester hours each normal academic term.

VA regulations require that students take only courses that are applicable to their degree program or other approved program and make satisfactory progress toward their degree. Students should consult the “Handbook for VA Students” (available at their local USF Veterans Services office) or log on to USF Veterans Services web site: http://usfweb.usf.edu/vetservice for information on various programs/services, and VA rules and regulations. Under no circumstances will the VA pay benefits to a student taking a course by audit. It is the student’s responsibility to inquire concerning all VA rules and regulations and to report any change in status which affects his/her benefits.

Additionally, VA benefits will be terminated for students who are dismissed for academic or disciplinary reasons and can only be reinstated after academic counseling.

Veterans with a service-connected disability approved for benefits under Chapter 31 may contact the Office of Student Financial Services no earlier than one week prior to the start of classes for a book and supplies voucher. Other VA benefits include additional amounts of compensation and pension, which may be payable to eligible veterans and widows or widowers of veterans for the enrollment of dependent children. The students, parents, or guardians are responsible for notifying the VA Regional Office directly of enrollment and termination of enrollment. The VA toll-free number is 1-888-442-4551.

*See “Resident Status,” above
STUDENT AFFAIRS & STUDENT SERVICES

The University of South Florida (USF) is committed to the concept of total student development - intellectual, social, physical, emotional, and moral. The curricular, co-curricular, and extracurricular programs of the University are designed to achieve this end and are presented to offer USF students a wide variety of beliefs, opinions and ideas in an atmosphere of openness where all views may be aired. The programs and activities developed and implemented by the Student Affairs staff at USF are intended to improve the quality of life at the University and to meet the University’s goal of total student development.

Students who attend the University of South Florida are subject to University policies in addition to guidelines established by the Florida Board of Regents (Section 6-C, Administrative Code of Florida). The Office of the Vice President for Student Affairs, as well as other University officials, is charged with interpreting the policies of the Board of Regents to students, their families, and others in the University community.

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs is composed of the areas of Enrollment Planning and Management, Academic Support and Achievement, and Student Life and Wellness. Student Affairs staff provide prospective and new students assistance in obtaining information about the University before they arrive on campus. The staff also offers services to the students to help them cope more effectively with the many facets of college life that can affect students’ academic work: financial aid, health services, individual and/or group counseling, alcohol/drug education, career planning, placement, procedures for redressing grievances, standards for students’ conduct, due process in the event of disciplinary action, and advice and/or assistance in time of difficulty. A variety of programs and services are offered by the Student Affairs staff to provide students opportunities to become involved in college life outside the classroom: orientation for new students, residence halls, student organizations and Phyllis P. Marshall Center programs and activities, student government, student publication, intramural and recreational sports, student health education/wellness programs, and events of special interest.

The Division is committed to creating a student-focused learning community distinguished by shared purpose, collaboration, open and timely communication, mutual respect, trust and inclusiveness.

Student Affairs will provide leadership for a diverse University community, inspire the pursuit of academic excellence through collaborative learning and foster a caring environment that encourages the personal and professional development of students and those who serve them. In partnership with University faculty and staff and the community, the staff will reach beyond individual perspectives to develop life-long learners who are broadly educated, ethical, open to differences, capable of critical thinking, and who share responsibility for enhancing the human condition. The achievement of this vision will contribute to making the University of South Florida the university of first choice.

Student Affairs Diversity Statement

The Division will develop a system that will create a learning community where each individual’s primary identity as a person has worth and value. Individuals from diverse ethnic, racial, religious and social backgrounds will willingly interact frequently displaying attitudes and behaviors of respect, shared purpose, commitment to common welfare, mutual cooperation and support. In this community all persons will be judged on the content of their character and all individuals will have a voice.

Academic Support and Achievement

Location/phone: SVC 2008, (813) 974-4063
Web address: http://www.sa.usf.edu/asa/

Academic Support and Achievement operates under the auspices of the Division of Student Affairs and is responsible for providing academic and personal support to students. The units within Academic Support and Achievement focus on addressing the needs of first-time-in-college students and other students who are undecided about a major or who seek admission to limited access programs. Responsibilities also include the coordination of the University Experience course for freshmen as well as the development and monitoring of support programs and strategies to enhance the academic success of target populations, including students with disabilities, student athletes, students admitted under alternative admissions criteria, and other under-represented groups.

Center for Academic Advising

Location/phone: SVC 2011, (813) 974-2645
Web address: http://www.sa.usf.edu/advising/

The Center for Academic Advising is dedicated to promoting the successful achievement of students’ academic goals through comprehensive advising services. The Center’s primary responsibility is to provide academic advising to undergraduate students, with a special emphasis on the needs of students entering a university for the first time.

The following services are provided to these undergraduate students: advisement regarding academic policies and programs, assistance in the selection of a major, administration of special programs for at-risk or underprepared student populations, and special advisement for under-represented students. The staff prepares students for entrance into all limited access majors (e.g., Education, Engineering, Business, Nursing, and Mass Communication), and evaluates and certifies all students seeking Associate of Arts certificates.

Student Disability Services

Location/phone: SVC 1133, Voice: (813) 974-4309; TDD: (813) 974-5651
Web address: http://www.sa.usf.edu/sds/

The University recognizes and values students with disabilities. The faculty and administration strive to ensure that students with disabilities participate in all aspects of university life. Academic accommodations are arranged through the Office of Student Disability Services.

The Office of Student Disability Services, located in SVC 1133, (974-4309), is responsible for determining eligibility of students for disability status and facilitating services and accommodations for those who qualify. Accommodations that are developed in collaboration with students and faculty, include, but are not limited to, extended time on examinations, alternate formats for printed materials, and the services of sign language interpreters.

Each student is responsible for self-identifying and applying for accommodations and services at this office. There are two essential elements to receiving accommodations and services. First, the student must identify herself/himself as a person with a disability and register with the Office of Student Disability Services (SDS). Second, the student is responsible for providing documentation of the disability to SDS, and it typically takes five working days for SDS to review the application.

If the documentation is adequate, the student will be approved for accommodations. The student will be given guidelines for accessing services and a memorandum of each professor for that semester. Each semester a memorandum of accommodation will be prepared for each professor.

The cooperation of faculty in the implementation of accommodations is an essential feature of the institutional compliance with the Americans with Disabilities Act of 1990. Examination accommodations, the most frequently needed accommodations, are the responsibility of the faculty. This office
provides accommodated examinations if the faculty are unable to determine if the accommodations provided guidelines for accessing exam accommodations for their students. Faculty questions, concerns, and comments are welcome by SDS.

McNair Scholars Program
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/McNair
The Ronald E. McNair Post-Baccalaureate Scholars Program is designed to prepare economically disadvantaged and traditionally underrepresented juniors and seniors for doctoral programs. Special emphasis is placed on the recruitment of students with majors in math, engineering, science, public health, communications, humanities, medical sciences and English. However, other disciplines such as education, social sciences and fine arts are considered. This program encourages graduate studies by providing opportunities for academically talented junior and senior level undergraduate students to define their career goals, engage in research, develop their personal and professional skills and participate in student/faculty mentor relationships, critical to their success at the doctoral level. Graduate school application assistance is also provided, as well as GRE, GMAT, and MCAT preparation.

McNair Scholars are awarded scholarship stipends when they participate in the Summer Research Institute and during their research internship in their senior year. The Program also provides students opportunities to attend and present academic papers at national and regional conferences. The criteria for this very competitive scholars program are as follows: 3.0 minimum cumulative GPA, declared major, a minimum of 45 earned credit hours, current enrollment at USF at the junior or senior level, United States citizenship/resident alien status and a completed Ronald McNair application with faculty recommendations.

George Jenkins Scholars
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/jenkins/
The Jenkins Scholars Program is one of the highest funded academic scholarships at USF. The George Jenkins Scholarships are funded through the George Jenkins Foundation, which was founded by the late George Jenkins, the initial founder and owner of Publix Supermarkets.

A select group of Jenkins Scholars are elected annually from a statewide competition of high school seniors who are admitted to USF as freshmen. All of these scholars are economically disadvantaged, but are usually in the top five percent of their high school senior class.

The Jenkins Scholars Program is designed to provide academic and personal support services for all scholars, freshmen through senior year. The scholars participate in various scholarly and cultural activities, such as academic monitoring, mentoring activities, academic/personal development seminars, career advising, graduate school assistance and planned cultural activities with the Jenkins family.

Parents Association
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/parents/
The Parents Association is designed to provide opportunities for USF students enrolled at USF to become involved in special projects, recruitment, scholarships and fund raising activities.

The Parents Association elects Board members consisting of President, Vice President, Secretary and Treasurer. The Association has an allocated budget to conduct mailouts, newsletters, and sponsor student related activities and fund the annual Parents Weekend Activities, which usually occurs in October.

The Association works closely with Residence Life. Admissions, Orientation and the University Development Office. The Association also sponsors the Gold Council. The Gold Council is a student organization that consist of campus student leaders who plan and coordinate special projects each year to benefit USF students and/or campus life.

Project Thrust
Location/phone: SVC 2043, (813) 974-4227
Project Thrust is a university-wide retention program designed to assist USF underrepresented undergraduate students achieve their baccalaureate education. Assigned to four of the undergraduate colleges, the major role of the Project Thrust advisors is to provide students with immediate and long-term assistance necessary to insure the successful completion of their college program of choice. Throughout the year, Project Thrust also provides academic advising and counseling, tutoring and test preparation workshops.

Personal Excellence Program
Location/phone: SVC 2043, (813) 974-4227
The Personal Excellence Program (PEP) offers a freshman retention program to selected first-year students at the University of South Florida. Throughout the year, PEP provides academic and personal counseling, mentoring, tutoring, career development, peer support, study groups, enrichment seminars and other specialized activities. The program focuses on increasing academic skill, acclimating students to the campus environment and enhancing participants’ self-esteem.

The Personal Excellence Program also provides a residential summer transition program for students who have the potential to succeed in college but may not meet all of the admissions criteria. Prior to participant selection, the University considers high school grades, courses, test scores, choice of major and other achievements. The summer program facilitates a smooth transition into campus life by acquainting students with the University’s expectations and resources.

PEP supplies individualized advising, assistance with fall semester registration and offers strategies for a successful life at college. This intensive summer experience provides course credit toward graduation while enhancing personal and academic success at the University of South Florida.

Student Academic Support System (SASS)
Location/phone: SVC 2008, (813) 974-4505
Web address: http://www.sa.usf.edu/sass/
Used at major universities throughout the state of Florida, the Student Academic Support System (SASS) is a computer assisted advising program designed to help students track their progress toward meeting general education and undergraduate degree requirements. Each SASS report is specific in that it matches a student’s academic record against the requirements of the student’s degree program. SASS reports are available to each undergraduate student through the student’s advisor, office, or OASIS on FACTS(http://www.facts.org/). The central SASS office maintains the data and trains appropriate college personnel.

Student Support Services Program
Location/phone: SVC 2042, (813) 974-4301
Web address: http://www.sa.usf.edu/sss/
Student Support Services (SSS) is a federally funded retention program designed to provide academic and personal support to students admitted via profile assessment, individuals who qualify as either having disabilities or as low income, “first generation” college students (“first generation” means that the students’ parents did not attend college). The program serves a diverse student population and provides an opportunity for students who may not meet all admission criteria but whose high school records and test scores indicate the potential to succeed in college. SSS has a positive impact on student success. Its participants are retained and graduate at a rate similar to students regularly admitted to the University.

Students who participate receive personal, academic, career, financial, and tutorial assistance. Special instruction is provided in the areas of English composition, reading, and study skills.
SSS provides a summer program to ease the transition from high school to college, establish a strong academic foundation during the summer semester, and expose students to university resources and facilities. Students receive a comprehensive summer orientation, individualized academic advising, course credit toward graduation and college survival skills.

Program participants have an opportunity to join the SSS Club, which serves as a common unit for students to exchange academic information, plan cultural activities, meet former SSS participants, and conduct fund-raising activities.

**Enrollment Planning and Management**

The staff of the division of Enrollment Planning and Management strives to provide convenient and effective services to assist students with admissions to the University, orientation to the campus and services that recur each semester, including registration, financial aid, scholarships, student employment and grade reporting. Experiential learning, career planning, and job placement are vital services to assist students with their career development, degree progress and future employment.

**Admissions**

**Locations/Phones:**
- **Tampa Campus:** SVC 1036, (813) 974-3350
- **St. Petersburg Campus:** BAY 102, (727) 553-1142
- **Sarasota Campus:** PMC 101, (941) 359-4330
- **New College - ROB 202, (941) 359-4269
- **Lakeland Campus:** LLC 2100, (863) 667-7025

The Office of Admissions assists prospective students with learning about the opportunities available to them at the University. The office is responsible for processing applications for admission for undergraduate and former students returning. Admissions also reviews transfer credit completed at other regionally accredited institutions for determination of transferability. Admission services are also available at all regional campuses.

**Adult and Transfer Student Services**

**Location/phone:** SVC 1001, (813) 974-6444

**Office Hours:** Monday - Thursday, 8 a.m. - 7 p.m.; Friday, 8 a.m. - 5 p.m.; Saturday, 9 a.m. - 1 p.m.

The office of Adult and Transfer Student Services (ATSS) is a department created to meet the needs of adult students entering or returning to the University and students transferring from a community college or other academic institution.

ATSS recruits and serves as a central source of information and referral, advising, programming, and advocacy for the nontraditional student by identifying the needs of adult learners and transfers and facilitating their entry into the University environment. In addition, the office supports the continuation of their educational goals by developing partnerships with community colleges, area employers, and community groups as well as within the USF community. ATSS also focuses on the concerns of women faculty, staff, and students through specialized programming and collaboration with other university services.

**The Career Center**

**Location/phone:** SVC 2088, (813) 974-2171

**Web address:** http://www.career.usf.edu

The Career Center assists students in making the transition from academic life to professional employment. Staff help students plan, refine and implement their career goals and job search plan. The Center also provides information on employment opportunities and creates venues for students to network and interview with local, state, national and international employers.

**Part-time Student Employment:** On and Off-campus part-time employment provides students an opportunity to gain valuable work experience, develop employability skills and earn money.

Part-time jobs, Federal Work-Study positions and temporary employment opportunities are received in the Center on a daily basis.

**Experiential Learning Programs:**

**Careerships** are one semester, paid work experiences that allow students the opportunity to explore and/or affirm career choices while gaining career-related skills, knowledge and experience in an on-site work setting. Careerships may be on or off campus. Since Careerships are not linked to the academic calendar, they may begin at any time during the year.

**Internships** are one-semester, for-credit learning experiences which implement educational goals in an alternative learning environment. Credit, approved and granted by the academic department, is not given for working per se but for attaining learning objectives and competencies that are evaluated by the faculty member. Internships may or may not be paid.

The Career Center, in partnership with the sponsoring academic department, assists students in identifying and connecting with employers offering internships.

**Cooperative Education** is a paid training experience that integrates practical work experience with a student’s academic program. Students may choose an Alternating or Parallel work plan. The Alternating Plan, which requires a commitment of two semesters, permits students to alternate full-time semester of study with full-time semester of work. The Parallel Plan, which requires a commitment of four semesters, permits students to take classes and work. Participation requires a minimum GPA of 2.5 and completion of 45 credit hours, prior to the first co-op training.

**Full-time Professional Employment:** Experienced career specialists assist students in planning and implementing a customized job search campaign for professional, full-time employment.

**Individual Career Consultations/Advising:** Individual appointments may be scheduled for assistance with resume/cover letter preparation and critiques; interview strategies; skills identification, self-directed job search techniques, networking tips and strategies for tapping into the hidden job market.

**Career Development & Job Search Workshops:** Workshops, on such topics as resume writing, skills identification, interview techniques, job search strategies, skills identification and participation in on-campus interviews, are conducted by the staff each semester.

**On-Campus Interviews:** Each semester local, state and national recruiters, from business, industry, health care, finance, entertainment, government, education and non-profit organizations visit the campus to interview students for Careerships, Internships, Cooperative Education and Full-time professional employment. Students from all majors may participate in on-campus interviews. Participation in the On-campus Interview Program requires attending a Career Center Orientation session and submitting a completed 1st Place Electronic Resume disk, which may be obtained from the Career Center.

**Candidate Resume Referral:** Throughout the year employers, who choose not to conduct on-campus interviews contact the Career Center to request resumes of students in the Center’s Electronic Resume database. Approximately 11,000 candidate resumes are electronically transferred to employers each year.

**Career Networking/Job Fairs:** Each semester, employers participate in various Career Networking/Job Fairs. These events provide a common ground for the student and employer to network and discuss employment opportunities.
Computerized JobLine: Each year thousands of Part-time jobs, Internship, Cooperative Education, and Full-time Professional employment vacancies are advertised on the Career Center’s JobLine. Students may access the JobLine, via the Center’s homepage.

Career & Employer Reference Library: The Career & Employer Reference Library maintains current employer information in print, video, CD and computerized form. Videos, printed and computerized reference materials are also available on resume writing, job search strategies, interview techniques and the labor market.

Financial Aid
Location/phone:
Tampa Campus: SVC 1102, (813) 974-4700
St. Petersburg Campus: BAY 105, (727) 553-1128
Sarasota Campus: Palmer Building-E, (941) 359-4255
Lakeland Campus: Student Services Bldg., (863) 667-7025
Office Hours: All campus offices are open 9 a.m. to 5 p.m.
weekly, most offer extended hours, but the hours vary per campus. Call for specific times.
Web Address: http://usfweb.usf.edu/finaid/
Email: http://mitr.cfr.usf.edu/askroicky/
USF makes every effort to ensure that every qualified student has access to an education. Many student financial aid programs are administered or coordinated through the USF Office of Financial Aid.

The Office of Financial Aid provides assistance to students through a variety of sources including literal specific to the application process, program brochures, assigned counsel-
ors based on the last four digits of social security numbers, and extensive information through a web site that allows students to access their own financial aid file. Counselors and advisors are available by telephone, by appointment, and students may also e-mail counselors via the Web site (http://usfweb.usf.edu/finaid/). General questions may be directed to the office-wide e-mail address - http://mitr.cfr.usf.edu/askroicky/.

FastWeb, a nationwide scholarship search, is available via the Web site (in addition to scholarship information specific to USF). Students may complete their Free Application for Federal Student Aid (FAFSA) electronically: http://www.fafsa.ed.gov or request a paper version of the FAFSA at (813) 974-3730.

OASIS (On-line Access Student Information System) Web allows students the opportunity to view their awards for each semester, to see if their financial aid files are complete, to see what additional documents are required and more: http://usfonline.admin.usf.edu.

Orientation
Location/phone: SVC 1037, (813) 974-3060
Orientation provides an introduction to both academic and student life aspects of USF. To facilitate the smooth transition of students into the academic environment of the University, academic advising and registration are major components of the program. In addition, orientation provides opportunities for entering students to develop realistic academic and personal goals, to locate student support programs and resources, and to meet faculty, staff, and continuing students. Orientation is required for all new students and former students who were readmitted to the University.

In an effort to aid new students in their transition to USF, the office also coordinates Welcome Week activities. Orientation programs are available on all regional campuses.

Office of the Registrar
Locations/phones:
Tampa Campus: SVC 1034, (813) 974-2000
St. Petersburg Campus:
Sarasota Campus:
Lakeland Campus: (863) 667-7026
Web address: http://usfweb.usf.edu/enroll/regist/regist.htm
The Registrar’s Office provides a wealth of student, academic, and administrative services. The Registrar’s Office is responsible for maintaining each student’s academic record from the time of admission to degree. Therefore, virtually every USF student is a consumer of services provided by the Registrar’s Office.

Registrar’s staff publish and distribute the University Schedule of Classes, coordinate registration and drop/add activities, process and distribute grade information each semester, prepare transcripts and diplomas, as well as certify student enrollment status. Registrar’s staff also review and act upon student requests for reclassification of residency and process changes of name and student I.D. number.

Students interested in petitioning the Academic Regulations Committee (ARC), requesting fee adjustments, late registration fee waivers, or posting of grade forgiveness will find information and forms in the Registrar’s Office. A form is also available to request privacy.

The Registrar’s Office provides information and services to students via OASIS, the University’s Online Access Student Information System. On-line technology services are also available over the telephone and on the Web. Using their self-declared personal identification number (PIN), students can register and drop/add, access registration appointment and hold information and view their grades. Students can also browse the University Schedule of Classes. Information and services are continually being added for students.

Although technology is being used as an enabler to provide better service, Registrar’s staff provide in-person information and services in its lobby area as well as over the telephone. Records and Registration offices are also located on every regional campus.

Student Life and Wellness
Student Life and Wellness is a subdivision of the Division of Student Affairs. This subdivision is committed to promoting a diverse community characterized by collaboration, open communication, and values that affirm the worth of individuals. Through shared purpose, critical thinking, and life-long learning, the staff will create a wellness-enhancing environment conducive to student development and academic achievement. The staff will strive to provide leadership that develops caring citizens who value individual differences, the pursuit of excellence and shared responsibility for enhancing the human condition.

Student Relations
Location/phone: Argos 234, (813) 974-9089
Student Relations is a student-oriented office that serves the USF community in an ombudsman’s role for student services. Student Relations assists with university related issues in which resolution is needed, peer mediation, the reinstatement process for non-payment of fees, advocacy for students experiencing crisis, etc. This office strives to maintain a high level of respect, trustworthiness, and responsiveness to students.

Counseling Center for Human Development
Location/phone: SVC 2124, (813) 974-2831
Web Address: http://usfweb.usf.edu/health
The Counseling Center is a comprehensive, student-oriented facility providing services in educational skill enhancement, career development, and mental health to the USF community. The Center offers individual treatment on a time-limited basis and makes referrals to in-house therapy groups.
or to community settings for appropriate management of problems requiring longer-term care. All services preserve the confidentiality of students. For more information about any of the following services, call 974-2831 or stop by SVC 2124.

**The Career Counseling Service** is designed to assist students in choosing a major and an appropriate career goal. Major emphasis is given to the development of realistic educational and career goals through greater self-understanding, reality-based decision-making, and problem-solving. Services include intake evaluation; assessment of abilities, interests, and other relevant characteristics; individual and group counseling; informational services; and consultation. In addition, SIGI PLUS, FOCUS, and CAREER FINDER, computerized career information and guidance support systems, are available to assist students in the process of self-assessment and career exploration. A Career Information Library containing current occupational resources is available for student use.

**The Personal Counseling Service** is designed to enhance the personal and career development of university students. Professional counselors assist the student to develop a clear sense of identity, establish autonomy, discover strengths and potential, and to make insightful, self-directing decisions. Services, aimed at early detection of potential mental health problems, are as follows: Intake evaluation and disposition, crisis intervention, psychological assessment, time-limited individual psychotherapy, couples therapy, personal growth groups, and both time-limited and ongoing psychotherapy groups. Adjunctive services include psychiatric consultation, anxiety management, and skill-enhancement workshops.

**The Reading and Learning Program** provides coursework, workshops, and individual instruction in the learning strategies and reading skills necessary for academic success. The program offers three credit-bearing courses (Advanced Reading Strategies within Academic Disciplines: 2 credits), and Academic Strategies (1 credit). Workshops are offered each semester for study skills and for the individual sections of the CLAST. The learning lab offers software and print materials for general reading and, academic improvement preparation materials for graduate school exams such as the GRE, MCAT, LSAT and GMAT. Additionally, diagnostic services and individual instruction are available to assist individuals in reading comprehension and study skills.

**Testing and Assessment Services** enhance the effectiveness of counseling by providing objective information about students. Tests of abilities, aptitudes, career interests, personality, reading comprehension, study skills, and other complex problems. Psychological assessments are available. Additionally, the Testing Disabilities Testing Program receives referrals from Student Disability Services and identifies students with specific learning disabilities.

**The Outreach Program** aims at understanding the needs of the University community and developing programs to meet those needs. Structured groups, workshops and presentations are provided for students and staff as methods of primary prevention and education. Through a monthly newsletter, student publications, posters, advertisements, and presentations to student organizations and other groups, Center staff provide information about a wide range of mental health, personal and social concerns and issues that concern students. Specialized programs include the Center for Addiction and Substance Abuse (CASA) and Vocational Rehabilitation Services. CASA focuses on research, prevention, and treatment with regard to alcohol and other drug use/abuse. Vocational Rehabilitation services are available for qualifying students and include vocational evaluation, vocational and personal counseling, guidance, career development, training, assistance, provision of books and supplies, and treatment.

**Veterans Services** provides specialized services and programs to veterans, eligible dependents, active duty personnel, and members of the Selected Reserve. The staff assists students with their use of Department of Veterans Affairs (VA) Educational Benefits, and serve as information and referral resources. Veterans Services was established to act as a liaison, whenever possible, between the VA students and the VA or various USF offices in order to help resolve problems. Veterans Services is the point where students submit all paperwork concerning VA Educational Benefits. Programs to help students financially include VA Work-Study Program, VA Deferral of Fees, Advance Payment Program and VA Tutorial Assistance. **Office Hours**: 8:00 a.m. to 5:00 p.m. Monday through Friday (except University holidays). Under special circumstances, it is possible to call to arrange for an after-hours appointment. For further information, contact the staff in SVC 2127, call 974-2291, or visit our web page (http://usfweb.usf.edu/vetserve).

**Student Health Services**

**Location/Phone**: SHS is located east of the USF Bookstore north of the Student Services Building, (813) 974-2331, FAX (813) 974-8391. **Address**: 4202 East Fowler Avenue, SHS 100 Tampa FL 33620-6750. **Internet**: www.shsweb.usf.edu. **Office Hours**: Monday through Friday 8:30 a.m. to 5:00 p.m. (hours vary on holidays and semester breaks). SHS is closed on weekends.

**After Hours Consultation**: An SHS physician is available by telephone after hours to provide medical advice and direction for currently enrolled USF students. The on-call physician may be contacted at the SHS telephone number, 974-2331.

**Emergency Services**: SHS does not provide ambulance services. If students require emergency services or immediate medical attention after hours, two nearby facilities are the University Community Hospital (971-6000) on Fletcher Avenue (north of campus) and the Doctor’s walk-in Clinic (977-2777) on Bruce B. Downs Boulevard (west of campus).

Student Health Services (SHS) provides primary health care and health education services to all eligible registered students.

The SHS staff is comprised of general practice physicians, board certified specialists, advanced registered nurse practitioners, board certified physician assistants, licensed practical nurses and assistants, licensed laboratory technologists, certified health educators, a registered dietician, and administrative personnel. SHS strives to provide the best possible care for the university student community.

**Eligibility and Fees**: SHS provides services to any registered student with a valid student ID card who has paid the Tampa campus health fee. USF Tampa Campus students are assessed this health fee and it is included in their tuition each semester. Students registered on campuses other than Tampa may volunteer to pay this health fee. Students taking a semester off may also elect to pay this health fee, entitling them to the same benefits as any student who is currently registered.

**The Health Fee entitles students to**

- Unlimited visits to the ambulatory clinic
- Access to SHS specialty clinics at a reduced cost (Gynecology, Dermatology)
- Reduced cost for laboratory tests
- Reduced cost for medications dispensed at SHS
- Limited visits to the Counseling Center at no charge
- Unlimited access to all health education programs at no cost (some specialty services will have a minimal copayment)
- Antigen injections (If you require allergy shots, SHS can store and administer your injections. Complete written instructions must be submitted by the prescribing physician for antigen therapy to be approved by SHS’s medical director.)

**Prescriptions**: SHS does not operate a pharmacy; the physicians dispense frequently prescribed medications at the time of the visit. If the necessary medication prescribed is not
available in the inventory, a prescription will be written which can be filled at any local pharmacy.

Health Insurance: For Student Health Services to provide optimal service to students, it is important that they have adequate health insurance. The Student Insurance Office (SIO) with the assistance of the Insurance Committee has contracted a reliable health insurance company to provide our students with an affordable student health insurance plan for sickness and accidental injury tailored to the particular needs of college students. The SIO is there to assist students in understanding the available health insurance plans and encourages all registered students who do not have health insurance to visit the office located just west of SHS in the lower level of the Bookstore building (next to textbook buyback).

Health Education Programs: Student Health Services Health Education Department staffed by Certified Health Educators, a Licensed Registered Dietitian, and other support personnel provides services to assist students in obtaining a high level of health and RUBBER. Staff members are available for student consultations on an individual or group basis. Programs can be tailored to fit the special needs of your group or organization.

Mandatory Medical Requirements for Registration

1) Medical History Form (required for all students, regardless of age)

   According to Florida Administrative Code Rule 6C-6.001(4)
   “Each student accepted for admission shall, prior to registra-
   tion, submit a form, provided by the institution, a medical
   history signed by the student.” New admits will be provided a
   Medical History/Immunization Form with their admissions
   letter. In order to register, this form must be completed, signed, and returned to:

   Student Health Services
   University of South Florida
   4202 East Fowler Avenue, SHS 100
   Tampa, FL 33620-6750
   Immunization Fax: (813) 974-5888
   Telephone: (813) 974-4056

2) SUS Immunization Policy

   As a prerequisite to matriculation or registration, the State
   University System of Florida requires all students born after
   1956 to present documented proof of immunity to RUBEOLA
   (measles) and RUBELLA (German Measles). The docu-
   mented date of immunization for both measles and rubella
   should indicate the day, month, and year. However, only month
   and year will suffice if the month and year indicate that the
   immunization was given at least 13 months after the month of
   birth. Exceptions to this policy may be granted in the event of
   valid medical contraindications, or for religious reasons.

   Consistent with Department of Health and Rehabilitative
   Services guidelines, acceptable proof of immunity for Rubeola
   (measles) and Rubella (German Measles) are as follows:

   A) RUBEOLA (MEASLES): Students can be considered im-
   mune to measles only if they have documentation of at least
   one of the following:
   1. Documentation of immunization with two (2) doses of live
      measles virus vaccine on or after the first birthday. Note:
      Persons vaccinated with killed or an unknown vaccine
      prior to 1985 must be revaccinated. Persons born before
      1957 may be considered to have had a natural infection
      and, therefore, do not need measles vaccine.
   2. Laboratory serologic [IgG] evidence of measles immu-
      nity.
   3. An written, dated statement signed by a physician on his
      or her stationery, that specifies the date seen, and states
      that the person has had an illness characterized by a
      generalized rash lasting three (3) or more days, a fever
      of 101 degrees Fahrenheit or greater, a cough, and
      conjunctivitis, and, in the physician’s opinion, is diag-
      nosed to have had the 10 day measles.

   B) RUBELLA (GERMAN MEASLES): Students are considered
   immune to Rubella only if they have documentation of
   immunization with live rubella virus vaccine on or after
   the first birthday or Laboratory (serologic) [IgG] evidence
   of rubella immunity.

   If the student has no documentation of any doses of measles
   vaccine, vaccine should be given at the time of entry and the
   second dose no less than twenty-eight (28) days later. It is
   recommended that both doses of measles vaccine be given as
   a combined measles-mumps-rubella (MMR) vaccine. Vaccina-
   tions and blood titers are available at student health
   services.

   PLEASE NOTE: ALL FEMALES SHOULD BE AWARE THAT
   THEY SHOULD NOT BE VACCINATED IF THERE IS ANY
   POSSIBILITY OF PREGNANCY.

   Temporary Medical exemptions must be submitted by the
   attending physician and must include reason for exemption
   and duration of exemption.
   • For religious exemption applications, contact Student Health
     Services.
   • For off-campus term exemptions, contact Registrar
     974-2000.

   Records will be kept in electronic (computer) form. Hard Copy
   proof submitted by students will not be available for return.

   SUS Health Insurance Requirement for
   International Students

   The State University System of Florida requires that all
   international students have medical insurance in order to
   register for classes at USF.

   Residence Services

   Location/phone: RAR 229, (813) 974-4310.
   Office Hours: Monday through Thursday, 9:00 a.m. - 5:00 p.m.
   and Fridays from 10 a.m. - 4 p.m.

   The Residence Hall program is an integral part of the total
   educational experience offered to USF students and is staffed
   by caring, informed professionals, graduate students, and
   resident assistants. The Office of Residence Services strives
   to provide students with intellectual and social experiences in
   a conveniently-located residence hall community and to pro-
   mote a safe, secure, and healthy living-learning environment
   where individual differences are appreciated and respected.

   Whether considering the convenient location, the availability
   of resources and amenities, or the student-oriented personnel
   associated with the residence hall program at USF, campus
   living has a lot to offer. Every enrolled degree-seeking student
   is eligible to live on-campus. Housing information, including
   a student housing contract, is sent to all accepted students.
   Students are encouraged to submit their student housing
   contract immediately upon receipt to insure that housing pref-
   erences may be accommodated. Florida Prepaid College
   Program participants with a Prepaid Dormitory Contract should
   note the Prepaid Dormitory Contract number in the space
   allotted on the Student Housing Contract.

   On-Campus Housing Facilities

   Student housing facilities on the Tampa campus are clus-
   tered in four centers of community activity - the Argos, Andros,
   Holly, and Village Complexes. Each area provides a core of
   services for its residents including a central service desk, mail
   delivery, laundry facilities, snack facilities, and swimming pool.
   Although the complexes provide the same basic services, they
   represent distinctly different options in campus living.

   In the Argos Complex, Beta and Castor Hall offer traditional
   student residential living. Beta is co-ed while Castor is an all-
female hall. The traditional living arrangement in these halls provides rooms accommodations designed for both sleeping and studying. In each of these halls, students share common
bath facilities that are cleaned on a regular basis by the hall’s housekeeping staff. It also offers laundry facilities, kitchens, community rooms, and snack machines.

Kosove Apartments house 3-5 students per apartment in single or double occupancy rooms. Upperclass students are eligible to live in Kosove Apartments.

The Andros Complex consists of nine smaller halls with suite arrangements. Delta, Epsilon and Kappa Halls are co-ed and double occupancy. Delta is the designated hall for the Residential Learning Community. Epsilon Hall houses honors students and international/exchange program students. Zeta and Eta Halls are all female and double occupancy. Eta Hall houses a residential program for women with interests in Math, Science, and Engineering. Theta, Lambda, Mu and Iota Halls are co-ed and single occupancy. Theta is designated as the Leadership House, a program for students interested in leadership development. Each suite in Delta, Epsilon, Zeta, and Eta accommodates two students per room, four students per suite, and eight students per bathroom, which includes two sinks, two showers, and toilets. Each suite in Kappa accommodates two students per room, four students per study area, and eight students per bathroom, which includes two sinks, one shower, and two toilets. Each suite in Theta, Iota, Lambda, and Mu accommodates one student per room, two students per study area, and four students per bathroom, which includes two sinks, one shower, and two toilets. Each Andros Complex living unit (30-41 students) shares a kitchen/lounge and small laundry room.

The Village Complex consists of 30 individual one-story buildings, each containing 10 efficiency apartments. Both single and double occupancy apartments are available. These facilities are reserved for students who have attained sophomore, junior, senior, or graduate class standing or have reached 21 years of age. Each fully carpeted apartment has its own private entry and is furnished with a bed, desk, wardrobe, and bookcase for each resident. A refrigerator, cooking facilities, bathroom facilities, and individually controlled apartment heating and air-conditioning units are also provided. Within the Village Complex, the residents have access to a swimming pool, snack machines, recreation room, multi-purpose/study room, laundromat, and a wooded picnic/barbecue area.

Holly Apartments houses 728 students in an apartment setting. Each apartment houses 4 students and includes 4 single bedrooms, 2 bathrooms, a kitchen and a living room. A few 2 student/2 bedroom apartments are also available. Each apartment has a private entry and is fully carpeted. Furnishings include single beds, dressers, and desks in each bedroom and a 3 seat sofa and 2 chairs in the living room. Appliances in the kitchen are full-size. The Holly complex also includes 2 laundry areas, a mailroom, a desk area, a multipurpose/study room, and a computer lab.

Opening in fall, 2001, Magnolia Apartments will house single undergraduate students over the age of 23 or graduate or professional students in 3 or 4 bedroom apartments. Each bedroom is equipped with a bed, desk, chair, dresser and closet. The shared living/dining room and kitchen contain a sofa, one chair and two barstools. Students who are married or have dependent children living with them are eligible for the family units, which have 2 bedrooms, a bathroom, living/dining room and kitchen. Services include convenient parking, a playground, cable TV, computer connections, computer labs, telephone service, mail and a laundry facility. A Community Meeting Room and Community Assistance is located on the lower floor and offers an all-you-can-eat lunch buffet. Catering for events held in the Magnolia Center is available through USF Dining Services for those wishing to hold a luncheon, reception or formal dinner.

Food service areas in the Magnolia Center include the Tampa Room Food Court, with Chick-Fil-A Express, Pizza Hut Express, Good Stuff, Etc., and Good Stuff Go on the first floor. The Campus View restaurant is located on the fourth floor and offers an all-you-can-eat lunch buffet. Catering for events held in the Magnolia Center is available through USF Dining Services for those wishing to hold a luncheon, reception or formal dinner.

The Magnolia Center lower level houses WBLU Student Radio Station, SG Computer Services, the games and arcade area, Sonic Boom CD store, vending machines, SAFE Team/
SoberRide Offices and CYbor City. The Game Room area has billiards, foosball, table tennis, checkers, chess, and pinball games. Other Marshall Center services include a library, library bookdrop, and stamp machines.

Special Events Center
Location/phone: CTR 246, (813) 974-5213
Box Office: (813) 974-3184

The Special Events Center adds a distinctive dimension of entertainment to the USF Campus. With spacious stage and music areas, a theater setting, and full production and theatrical equipment, this center is ideal for a wide variety of programs. The center, which accommodates 2,250 hosts concerts, cultural events, lecture series, musical performances, and other special events and is also available for private functions. The Special Events Center is connected to the Marshall Center by a Skyway over Cedar Drive.

Student Government
Location/phone: CTR 203, (813) 974-2401
Web address: http://www.sg.usf.edu

Any registered student may become a member of Student Government (SG). Student-wide elections occur in April each year. Student Government is made up of three branches: the Executive (President, Vice President, Cabinet officers and agencies), Legislative (Student Senate) and Judiciary (Student Supreme Court). Student Government represents all student interests in programs, plans, policies, and procedures of the University and serves as the student representative to University governance. SG oversees the Activity and Service Fee Fund, which supports the Marshall Center, Campus Recreation, the student newspaper The Oracle, Campus Activities Board, University Lecture Series, SG Branches and Agencies, College Councils, and over 100 student organizations. SG’s agencies include SAFE Team, Computer Services, SoberRide, Student Information Services, Internet Administration Services, and the Homecoming Steering committee. Student Government will assist students with any type of grievance by acting as a liaison to students and University administration.

Student Activities
Location/phone: CTR 259, (813) 974-7595
Office Hours: Monday through Thursday, 8 a.m. – 6 p.m. and Fridays 8 a.m. – 5 p.m.

The Student Activities Office provides advising and activities for students to experience growth outside the classroom setting. This office is an outlet for students to learn emotionally, intellectually, and physically while participating within a program. Services are provided to more than 270 student organizations. Traditional USF activities such as Honors Week, Greek Week, and Student Organizations Showcase are coordinated through this office. The Student Organization Advisory Board (SOAB), an all-student committee, is made up of students representing the various organizations and serves as a resource to all organizations in regard to their programs, problems and general welfare. The Campus Activities Board (CAB) is a unique program organization. Made up entirely of students, CAB offers students the opportunity to participate in planning and implementing a variety of programs for the University while developing vital skills in marketing, budgeting, and program planning. Professional advisors are also available to counsel students on their programming needs.

The Office of Student Activities the Leadership Center hosts a leadership resource library, as well as leadership classes offered through the College of Business.

Clubs and Other Organizations

The clubs, councils, and organizations formed by students represent a wide variety of interests. With over 270 student organizations, the Tampa campus of USF has groups organized for all types of activities.

New organizations are continually being formed. Professional staff members are available to assist individuals forming an organization, and to advise registered groups. For a current list of all organizations, or information on forming a group, contact the Office of Student Activities, located in Marshall Center, Room 259.

Academic

Academic organizations have grown and will continue to grow as the needs of students studying in each of the academic areas increases. These groups include Africana Studies Club, Alpha Kappa Psi, American Chemical Society, American Medical Association, American Society of Engineering, American Society of Mechanical Engineers, Anthropology Club, Association of Computing Machinery, Association of Marketing Students, Association of Medical Science Graduate Students, Association of College Student Affairs, Association of Minority Communicators, Engineering Transition Society, Geography Club, Geology Club, Graduate Business Association, Mathematical Association Student Chapter, Microbiology Club, Minority Organization of Students in Education, National Student Speech Language Association, Minority Organization of Students in Education, National Society of Black Engineers, Refrigeration and Air-conditioning, Sigma Alpha Iota, Student Council for Exceptional Children, Student Finance Association, and University Psychology Association.

Councils

Various councils exist on the Tampa campus. Several of these councils unite organizations or people with similar purpose. Others represent specific colleges at USF and coordinate academic, honor, and professional organizations within their colleges. Councils present on campus include Architecture College Council, Argos Events Council, Arts and Sciences Student Council, Black Student Union, Business College Council, College of Education Student Council, College of Medicine Student Council, Cooperative Education Advisory Council, Council of Honor Societies, Engineering College Council, Graduate Student Association, Homecoming Steering Committee, Honors Program Student Council, Interfraternity Council, Latino Student Council, National Pan-Hellenic Council, Organization of Student Representatives, Panhellenic Council, and Public Health Student Association.

Greek

There are currently 19 national fraternities and 11 national sororities on the Tampa campus. These organizations provide a variety of social, educational, service, and recreational programs for their members. Support for these programs is coordinated through the Interfraternity Council, Panhellenic Council, and National Pan-Hellenic Council with the advice of faculty and staff members. Membership is open to any student through a program called Rush. Rush serves as an introduction to Greek life, allowing students to meet members of fraternities and sororities in formal and informal settings. Interfraternity Council Rush is held the first week of school in both the Fall and Spring semesters. Black Pan-Hellenic rush varies among each chapter. Panhellenic holds formal Rush the week prior to Fall Semester. The Greek recognition society is the National Order of Omega.

Fraternities: Alpha Delta Pi, Alpha Kappa Alpha, Alpha Omicron Pi, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Kappa Delta, Sigma Gamma Rho, Sigma Delta Tau, and Sigma Lambda Gamma.

Sororities: Alpha Phi Alpha, Alpha Kappa Omega, Beta Theta Pi, Chi Phi, Kappa Sigma, Lambda Chi Alpha, Phi Delta Theta, Phi Mu Alpha, Sigma Alpha Epsilon, Sigma Alpha Mu, Sigma Chi, Sigma Lambda Beta, Sigma Nu, Sigma Phi Epsilon, Sigma Tau Gamma, and Zeta Beta Tau.
Honor Societies

Honor societies recognize outstanding students for their scholastic or service achievements. Membership in honor organizations is usually by invitation. Honor organizations include Alpha Epsilon Delta, Alpha Phi Sigma, Alpha Pi Mu, Arts and Science Honors Society, Beta Alpha Psi, Chi Epsilon, Golden Key, Kappa Delta Pi, Mortar Board, Omega Chi Epsilon, Order of Omega, Phi Eta Sigma, Phi Alpha Theta, Phi Kappa Phi, Phi Sigma Iota, Pi Gamma Mu, Pi Sigma Alpha, Psi Chi, and Tau Beta Pi.

International

International student organizations help meet the needs of international students and to increase the awareness of the University and the community about international students. International organizations include Association of Filipino Students, Brazilian Student Association, Caribbean Cultural Exchange, Chinese Student Union, Circolo Culturale Italiano, Club Creole (Haitian) French Club, Friendship Association of Chinese Students and Scholars, German Club, Intercultural Organization, Latin American Student Association, Muslim Students Association, Pakistani Students Association, Renaissance Universal, Students of India Association, Taiwanese Student Union and Turkish Students Association.

Political Organizations for political and social change include College Libertarians, College Democrats, College Republicans and Green Student Union.

Professional

The professional societies at USF focus their groups on profession-oriented needs and interests of students. They include Advertising Club, American Chemical Society, American Criminal Justice Association, American Institute of Aeronautics and Astronautics, American Institute of Chemical Engineers, American Medical Association, American Medical Student Association, American Medical Women’s Association/Women in Medicine, American Society of Civil Engineers, American Society of Mechanical Engineers, College of Nursing Student Council, Delta Sigma Pi, Family Practice Student Organization, Florida Engineering Society, Florida Medical Association, Graduate International Business Board, IEEE Computer Society, Institute of Electrical and Electronics Engineers, Institute of Industrial Engineers, Mathematics Education Club, Management Information Systems Society, Minority Preprofessional and Sciences Society, National Association of Black Accountants, Pi Mu Epsilon, Pre-Dental Society, Pre-Nursing Society, Society of Women Engineers and University Film and Video Association.

Religious

Currently some of the religious groups are members of the Campus Ministry Association (CMA). The members of CMA include Baptist Campus Ministry, Episcopal Student Center, and Hillel Foundation Navigators. In addition to the Campus Ministries, there are diverse student religious organizations on campus. The religious organizations are Alpha Omega, Association of Pagan Expression (APEX), Baha’i Club, Campus Advance for Christ, Campus Bible Fellowship, Catholic Student Union, Chi Alpha, Fellowship of Christian Students, International Fellowship, Intervarsity Christian Fellowship, Latter Day Saints Student Association, Sisters United Muslim, Unfolding Students Faith and Young Israeli Jewish Student Union.

Service/Resource

The many service/resource organizations at USF provide volunteer services and functions for the University and Tampa Bay area. The service/resource organizations offer aid and support to further enhance students’ needs and special interests. Service and resource organizations include Amnesty International Action Group, Ashtani, BACCHUS, Best Buddies, Big Brothers/Big Sisters, Brothers in Destiny, Campus Activities Board, Circle K International, COLORS, Gold Council, Jewels of Tau, Leadership House Conference Committee, Peer Advisory Council, Project World Health, Student Government Comptroller, S.G. Computer Services, S.G. Election Rules Agency, S.G. Executive Board, S.G. Insurance, S.G. Senate, S.G. Supreme Court, S.G. Student Information Services, Student Organization Advisory Board, USF Ambassadors, and USF Colors.

Special Interest

Special-interest organizations cover a wide range of diverse activities. Those of the Tampa campus include Adventurer’s Guild, AFROTC, Alpha Sigma Lambda, American Civil Liberties Union Student Chapter, Black Student Union, Bull Spirits, Club Creole, Club Infinity, Classics Club, Gospel Choir, Greek Week Committee, International Studies Organization, USF, Minority Business Association, Model United Nations, NASW Sub Unit (National Association of Social Workers), NOW (National Organization for Women), PRIDE Alliance, Student Admissions Representatives, Student Dance Production Board, Students for the Ethical Treatment of Animals, Student Support Services, Club, University Psychology Association, USF Gospel Choir, Radio and Electronics Club, WBUL, Student Radio and Wellness Committee.

Sports and Recreation

Sports and recreational organizations offer students the opportunity to enhance their physical well-being as well as their social lives. The Tampa campus has many organizations dedicated to leisure activities. Sports and recreational organizations include Aikido Club, Badminton Club, Boxing Club @ USF, Chito Ryu Karate, Crew Team, Ice Hockey Club, Karate Club, Lacrosse Club, Rugby Football Club, Sailing and Windsurfing Club, Scuba Club, Surf Club, Taekwondo Do Club, Volleyball Club, Water Ski Club, and Women’s Rugby.

Campus Recreation

Location/phone: Northwest of the Sun Dome, (813) 974-3177. The Campus Recreation Program is designed to provide opportunities for participation in a wide variety of sports and recreational activities for the entire University community. In the Campus Recreation Center, the Campus Recreation Department offers five distinct divisions: informal recreation, outdoor recreation, intramurals, fitness/noncredit instruction, and sports clubs. The informal recreation division administers all recreational facilities. The division assists groups in reservations and ensures availability of recreational facilities for informal, drop-in use. Facilities include four indoor and outdoor pools, gymnasiums, weight room/ activity rooms, tennis courts, racquetball courts, intramural fields, and jogging trail.

Through the fitness/noncredit instruction division, students have the opportunity to take a wide variety of noncredit classes ranging from aerobics to scuba. Also, the Campus Recreation Center offers the opportunity to work out in a state-of-the-art weight room as well as participate in racquetball on six 4-wall courts.

The Outdoor Recreation Division offers students the opportunity to become involved in adventure trips (sailing, hiking canoeing, skiing, etc.) as participants or as group leaders. The division also administers a fully equipped outdoor rental center and resource center. In addition, the division is responsible for the USF Riverfront Park, a complete riverfront recreational site located on the Hillsborough River, which includes a ropes/challenge course.

The Intramural program offers competitive and recreational tournaments in a variety of sports and recreational activities. The activities represent a broad selection of sports and include individual, team, and aquatic sports.

The sports clubs program supports student-organized groups ranging from aerobics to yoga. The sports clubs provide for instruction, recreation, and competition in various sports activities.
Injuries occurring in any of the Campus Recreation programs are not covered by the University or the Campus Recreation Office.

Information about any of the above activities can be found at the USF Campus Recreation Center, located directly northwest of the Sun Dome, or by calling 974-3177.

**Student Publications**

The University encourages a program of campus communication through two publications staffed by students under the general supervision of the Office of Student Publications. These publications are all-University in approach and coverage. A tabloid campus newspaper, the *Oracle*, is published five times weekly, Monday through Friday during the Fall and Spring, and two times weekly, Monday and Thursday, during the Summer. Containing 12 to 20 pages in each issue, it provides for student professional experience for those students interested in print journalism.

*Omnibus*, a literary magazine, published annually, contains prose, poetry, photos, and graphics produced by students.

Interested students are invited to apply for staff positions on both publications.

**Standards and Student Judicial Procedures**

**Standards of Conduct**

Just as the University maintains high standards of academic performance, the members of the University community support high standards of individual conduct and human relations. Responsibility for one’s own conduct and respect for the rights of others are essential conditions for the academic and personal freedom within the University community. Self-discipline and sensitivity to the rights and interests of others are the principal elements of the University Student Code of Conduct. The Student Code of Conduct sets forth a foundation of values that represent a standard of expected behavior both inside and outside the classroom. The University reserves the right to deny admission or refuse enrollment to students whose actions are contrary to the purposes of the University or impair the welfare or freedom of other members of the University community.

Students have often asked for advice on standards of dress and personal appearance. The University does not have a formal dress code but campus attire is expected to be appropriate for the activity in which the individual is engaged.

**Judicial Procedures**

Student judicial procedures are followed when a student fails to exercise his/her responsibility in an acceptable manner or commits an offense as outlined in the student handbook. The University disciplinary procedures afford students the opportunity to participate in discussions of the matter and to present information in one’s own behalf, to seek counsel in one’s own best interest, and the right of appeal. Students are entitled to participate in the development of standards of conduct supporting their interests in the purpose of the University. The University Judicial procedures are described in the student handbook.

**For Non-Academic Grievances**: In order to assure students the right to redress of grievances, the Office of Student Relations is responsible for a grievance procedure involving non-academic matters. Any student may file a question, complaint, or statement of grievance in the Office of Student Relations, in person or in writing. A course of action or other answer will be given by the Dean for Student Relations, as soon as possible.

**For Academic Grievances**: Students should follow the academic grievance procedure.

**OTHER STUDENT SERVICES**

**Intercollegiate Athletics**

USF fields 18 intercollegiate sports for men and women, all at the NCAA Division I level. In men's competition, USF has baseball, basketball, football, soccer, cross country, outdoor track, golf and tennis. On the women's side are basketball, softball, tennis, golf, cross country, indoor and outdoor track, sailing, soccer and volleyball.

The school became a charter member of Conference USA in 1995.

The athletic facilities at USF are also second to none. The Sun Dome, opened for the 1980-81 basketball season, is undoubtedly one of the most unique and dynamic multipurpose facilities in the Southeast. Lighted stadiums for the school's softball, baseball, soccer, and track team provides pleasant conditions for both the athletes and the spectators. The school also has an 18-hole championship golf course, and Frisbee tennis courts. The Bulls football team competes in a state-of-the-art stadium opened in 1998 and shared with the Tampa Bay Buccaneers.

**University Bookstores**

The on-campus bookstores are owned and operated by the University of South Florida and are self-supporting auxiliaries. The primary function of the university bookstores is to extend services to the students, faculty, staff, alumni and visitors of the University. The USF Bookstore and the Health Sciences Bookstore are located on the Tampa Campus. The St. Petersburg Campus Bookstore is located on the Bayboro Campus. VISA, MasterCard, Discover and American Express are accepted at all stores. The USFCard may also be used for purchases in the Tampa Campus store.

**The USF Bookstore**

Location/Phone: On Martin Luther King Plaza between the Marshall Center and the Student Services Building. Customer Service: (813) 974-5413, Toll-Free: (800) 873-8114

Usual Hours: Monday through Thursday from 8:00 a.m. - 7:00 p.m., Friday from 8:00 a.m. - 5:00 p.m. and Saturday from 10:00 a.m. - 4:00 p.m. Extended hours and additional registers open at the beginning of each term.

Web address: http://www.bookstore.usf.edu

The bookstore offers a wide variety of books and merchandise including: all course-required supplies and textbooks; a complete selection of writing implements, folders, paper and other class supplies; a wide selection of fiction, nonfiction and magazine titles; college clothing; class rings; compact discs; imprinted souvenirs and gift items. Computers, as well as most popular software applications, are available at greatly reduced educational pricing, only to USF students, faculty and staff members.

Personnel are available to assist customers in finding and/or ordering course texts and general books. A continuous Buyback Program offers a source for cashing in used textbooks.

**Health Sciences Bookstore**

Location/Phone: Medical Center (MDC 1021), (813) 974-4984

Usual Hours: Monday through Friday from 8:00 a.m. to 5:00 p.m.

Features medical textbooks as well as supplies, greeting cards, clothing, candy and other items.

**St. Petersburg Bookstore**

Location/Phone: Coquina Hall (CQ 101) on the St. Petersburg USF Campus, (727) 553-1172

Usual Hours: Monday through Thursday 9 a.m. to 6 p.m. and Friday from 9:00 a.m. to 5:00 p.m.

The USF Bookstore at the St. Petersburg campus offers textbooks for St. Petersburg classes, general books, clothing, school supplies and a variety of general merchandise items.
Campus Dining Services

Dining Office Location/Phone(s): Argos Center adjacent to Crossroads Café. Campus-wide: (800) 775-MEAL (6325). In Tampa call 974-4385

Web address: http://www.auxsvc.usf.edu/

USF Meal Plans offer a wide array of dining options. Convenience, flexibility and value are built into each plan. So no matter how hectic student schedules may be, we've got a plan to fit several different time tables, lifestyles and budgets.

We offer 13 plans for resident students. New freshmen resident students and other students living on campus for the first time have eight plans to choose from. Returning residents can choose from this list of eight or select from an additional five plans.

Freshmen and Other New Resident Meal Plans: New freshman planning to live on campus or a transfer or returning student living on campus for the first time must select from one of the following eight meal plans: Carte Blanche with $100 flex bucks, Carte Blanche, 14 Meal Plan with $250 flex bucks, 14 Meal Plan with $150 flex bucks, 150 Block with $125 flex bucks, Straight 14 Meal Plan, 10 Meal Plan with $80 flex bucks, and Straight 10 Meal Plan.

Please note: Any unused flex bucks will be carried over from the fall to spring semester with purchase of a Spring Plan. Unused flex bucks at the end of Spring semester will be forfeited.

Returning Resident Meal Plans: In addition to all the meal plans listed above, returning students can select from a list of five additional meal plan choices: 8 Meal Plan with $350 flex bucks, 8 Meal Plan with $250 flex bucks, 8 Meal Plan with $100 flex bucks, 100 Block Plan with $100 flex bucks, and $915, $795 and $550 Full Declining Balance Program.

Resident Dining

Crossroads Café (located in the Argos Center) - Crossroads offers breakfast, lunch and dinner seven days a week on an “all-you-can-eat” basis.

Café Good Eats (Andros Center) - This restaurant serves dinner and late dining Monday - Thursday.

The Corner Grocery (Andros Center) - Serving the resident student’s needs Monday - Thursday.

Other Campus Dining Locations

Tampa Room (Marshall Center) - An exciting food court featuring Pizza Hut, International Cuisine, Chick-Fil-A, and Sub-Connection.

Good Stuff, etc. (Marshall Center) - USF’s own gourmet coffee shop. Featuring espresso based coffee drinks, Freshen’s frozen yogurt and smoothies, Manhattan bagels, French pastries and much, much more.

The Campus View (Marshall Center) - Located on the fourth floor of the Phyllis P. Marshall Center, offers buffet style dining with a spectacular view.

Cooper Café (Cooper Hall) - Featuring the Bay area’s largest Subway sandwich shop.

Firehouse Grill (College of Business) - Located conveniently in the College of Business Administration, serving great burgers, chicken sandwiches, fries and a whole lot more.

The Gourmet Bean (USF Library) - Fresh brewed gourmet coffee, sandwiches, salads, bagels, snacks and more.

Fast Break I (College of Engineering) - Pizza Hut pizza, sandwiches, salads, soup, bagels, snacks and more.

Fast Break II (College of Health Sciences) - Same as Fast Break I but located in the Health Sciences Complex.

Smoothie King (USF Recreation Center) - Looking for a healthy snack or beverage? Stop by before or after your workout.

USF I.D. Card

The USFCard is the official I.D. card of the University of South Florida. University policies require that all student, faculty and staff members carry the USFCard while on campus. Students may be denied services if they do not have one. The USFCard may also be used to make purchases from on-campus copiers, snack and vending machines equipped with card readers. Value can be added to the vendor stripe at Cash-to-card machines located around campus and at most coin/card copiers in the library. This eliminates the need to carry coins and even saves money. If a student has an account with the USF Federal Credit Union, the USFCard can be used as an ATM card. The USFCard can also serve as a campus-MCI calling card. For additional information: http://www.auxsvc.usf.edu/
ACADEMIC POLICIES AND PROCEDURES

The Office of the Registrar maintains the official academic records for all students and course registrations for currently enrolled students. Students are encouraged to contact the Office of the Registrar about general questions concerning academic policies and procedures of their current registration or academic record.

Note: Each student must be aware of the University’s academic policies and procedures insofar as they affect him/her.

Academic Regulations and Information
Semester System
USF operates on a semester system. Semesters begin in August and January with Summer Sessions beginning in May and June. See Academic Calendar for appropriate dates.

Academic Load
The maximum load of an undergraduate student is 18 hours (Fall & Spring semesters) and 14 hours (Summer Term) unless approval is received from the dean or an authorized representative of the student’s college. Students classified as Undecided must receive approval from the Center for Academic Advising. In the Fall or Spring Semester 12 hours is the minimum load for a student to be considered as full-time.

Full-time Undergraduate Student Definition - Summer Term Sessions “A” & “B” (6 weeks)
For: Academic purposes
6 hours or more each session must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B” and “C.”

For: Financial aid purposes
6 hours or more each session must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B” and “C.”

Students receiving Veterans’ Administration benefits should confirm their Summer Term enrollment with the Office of Veterans’ Services or Veterans’ Coordinator.

Undergraduates may not enroll in 6000-level courses or higher without approval of the college/department in which the course is offered.

Availability of Courses
USF does not commit itself to offer all the courses, programs, and majors listed in this catalog unless there is sufficient demand to justify them. Some courses, for example, may be offered only in alternate semesters or years, or even less frequently if there is little demand.

Transfer of Credit To USF
USF will accept credits only from those institutions accredited by one of the accrediting agencies/commissions recognized by USF. However, USF reserves the right to deny credit for specific courses. The receipt and evaluation of total transfer credit are the responsibility of the Office of Admissions. The college of the student’s major will determine which courses are applicable toward a specific degree and will assign equivalent courses (see Evaluation of Transfer of Credit under Admissions and Related Matters).

USF subscribes fully to all of the provisions of the statewide Articulation Agreement (Rule 6A-10.024) and strongly recommends that students complete the associate of arts degree, or in certain prior-approved areas the associate of science degree, before transferring. Special details for students who do not plan to complete the associate degree requirements are available from the Office of Admissions. Also, all transfer students should refer to other entries about undergraduate transfers in the Admissions section of this catalog.

Former Student Returning
The Office of Admissions will evaluate the acceptability of transfer credits for continuing, degree-seeking students who take courses at regionally-accredited institutions. However, PRIOR WRITTEN APPROVAL MUST BE OBTAINED from the college of the student’s major if these credits are to be applicable to the USF degree program. A properly-executedTransient Student Form or Cross Enrollment Form should be used for this purpose.

Continuously Enrolled Degree-Seeking Student
Continuing degree-seeking students register by appointment for their next semester’s courses during the preceding term, either by telephone or in person (regional campuses only). Appointment times and instructions for all registration periods are published in the Schedule of Classes for the appropriate semester.

Prior to initial registration, all newly admitted undergraduate students and readmitted former undergraduate students returning are required to participate in an orientation/academic advising program on the USF campus where they will take all or the majority of courses. Newly admitted students and readmitted Former Students Returning receive Orientation/Academic Advising/Registration instructions from the USF Office of Orientation.

Registered students may make schedule adjustments in the regular registration period during the preceding term or in the drop/add period during the first week of classes. (Deadline information is available in the Academic Calendar.)

Degree-seeking students who do not register prior to the first day of classes may late-register the first week of classes. A $100.00 late registration fee is charged during this week. (See the section on fees for additional information and the appropriate term’s Schedule of Classes for dates.) To avoid cancellation of registration, fees are due and payable for all registered courses on record on the fifth day of classes (end of drop/add period). (See Academic Calendar for dates.)

NOTE: A Mandatory Medical History Form is required for all students (regardless of age). According to Florida Administrative Code Rule 6C-6.001(4), “Each student accepted for admission shall, prior to registration, submit a form, provided by the institution, a medical history signed by the student.”

Immunization Proof Required
As a prerequisite to matriculation or registration, the State University System of Florida requires all students born after 1956 to present documentation of proof of immunity to MEASLES (Rubella) and RUBELLA (German Measles). (See Immunization Policy.)

Academic Advising for Undergraduate Students
USF seeks to guide all students in selecting programs and courses best suited to their personal abilities, educational interests, and career objectives. Students who have been admitted to the University and their major area of study may visit their designated academic advising office housed in each of the six colleges offering baccalaureate degrees. Others who have not yet declared a major or students taking lower-level coursework in a limited access program should visit the Center for Academic Advising. This Center for Academic Advising also serves as an initial point of contact for non-admitted, prospec-
tive, and/or non-degree seeking students who need information about the University’s academic structure.

All students are encouraged to establish an advising relationship with a college or the Center for Academic Advising and periodically visit their advisors to keep abreast of any policy, procedural, or curriculum changes that may affect them. In fact, some colleges require advisor approval of student programs each semester. It is important for students to keep in mind that although the University provides advising services to assist students with academic planning, it is each student’s responsibility to see that all graduation requirements are met.

Orientation and Initial Advising

It is necessary that all students attend the University-mandated Orientation Program. The purpose of this initial contact is to assign an academic advisor and to provide the advising unit with routine information to assist it in collecting and maintaining the necessary records to assure the student’s proper progress toward education goals. Transfer students should bring an unofficial or student copy of their transcript(s) at the time of orientation.

Declaration of Major

First-year students often enter the university undecided about their career plans and intended majors and that usually creates little difficulty for them. Many of the more than 80 majors at USF allow students considerable options in their early course choices. However, some programs require completion of particular courses within the first two years. For instance, students with majors in fine arts and engineering should begin specific coursework in their first year and be best served by declaring their majors upon entering the University. In other fields, such as nursing, natural and physical sciences, education, and business, students must satisfy state mandated course prerequisites and complete specific general education courses during the first two years to be admitted to those major as juniors and to allow graduation on a timely basis. Therefore, students must make early decisions about those majors as well.

Unless restricted by limited access requirements, all students are expected to be officially declared in a major by the time they have completed 45 semester hours of course work. Transfer students, especially those who have completed 60 hours of work prior to transferring to USF, should declare their majors upon entry to the university. Many resources are made available by the University to assist students in making career decisions and in choosing their majors. Information about these resources is readily available from academic advisors.

Advising for Limited Access Programs

Students are cautioned that admission to the University does not imply admission to all the programs and courses offered by the individual colleges; this is especially true with respect to colleges with limited access programs. Colleges such as Business, Education, Engineering, and Nursing have been designated as limited access colleges and require completion of certain prerequisites before a student may declare a major in one of them. It is important that students check the college sections of the catalog for advising and admission requirements. Students planning to enter a limited access program should be aware that their admission by the college may be denied or delayed and should be prepared with alternative plans of action. Students seeking admission to limited access programs must demonstrate successful academic progress toward meeting the limited access requirements in order to remain undeclared beyond 45 semester hours of credit.

Lower-level transfer students (entering the University with fewer than 60 semester hours) and upper-level transfer students (entering with 60 or more semester hours) who do not meet the requirements of a limited access major are assigned initially to the Center for Academic Advising. Upper-level transfer students (entering the University with 60 semester hours or more) who meet the admission requirements of a major are assigned to the college of that major for advising.

Advising for Non-Limited Access Programs

In the case of non-limited access colleges, students may declare a major by completing a form in the appropriate college advising office, usually during one of the orientations required by the University. Students who do not wish to declare a major or who cannot meet the necessary prerequisites of a limited access major are advised by the Center for Academic Advising. Upper-level transfer students (entering the University with 60 semester hours or more) who meet the admission requirements of a major are assigned to the college of that major for advising.

Course Attendance at First Class Meeting

This policy has been put into effect so that USF may effectively use the classroom space. It is required that all students have maximum opportunity to enroll in classes where demand exceeds availability of seats.

Students are required to attend the first class meeting of undergraduate courses for which they registered prior to the first day of the term. Names of students who register prior to the first day of the term are placed on the first class roll for each course section. The first class roll is used to determine whether the students who do not attend the first day of class. Students having extenuating circumstances beyond their control and who are unable to attend the first class meeting must notify the instructor or the department prior to the first class meeting. Failure to attend the first class meeting will result in automatic enrollment in the course(s) of the student. This policy is not applicable to courses in the following categories: Bachelor of Independent Studies (BIS), Educational Outreach, Open University (TV), FEEDS Program, Community Experiential Learning (CEL), Cooperative Education Training, and courses that do not have regularly scheduled meeting days/times (such as, directed reading, research, internship, practicums, etc.). Students are responsible for dropping undesired courses in these categories by the 5th day of classes to avoid fee liability and academic penalty.

Adds

After a student has completed his/her registration on the date assigned, he/she may add courses until the add deadline specified in the Academic Calendar. See the appropriate semester’s University Schedule of Classes for detailed instructions and dates.

Drops

A student may drop a course(s) during the regular registration and drop/add periods (first five days of classes). No entry of the course(s) will appear on any permanent academic record and full refund of fees is due for course(s) dropped within those periods.

A student may also drop a course(s) between the second and tenth week of the semester (except for Summer sessions - see the Summer Schedule of Classes for dates). Registration fees must be paid for the course(s) and the academic record will reflect a “W” grade for the dropped course(s). Courses dropped after the ninth week deadline (see Academic Calendar for date) will result in an automatic “F” grade.

Auditing Privileges and Fees

A student who wishes to sit in on a class to review the course material may do so; however, the student is not allowed to take
exams, earn grades, or receive credit. The student’s status for that class is an audit and he/she will not be in the classroom. A student must register to audit courses during the late registration period. (No audit registrations are processed during the regular registration periods.) Fees for audit are the same as for full enrollment for credit except out-of-state tuition is not charged. See University Schedule of Classes for detailed instructions and dates.

Cancellation Before First Class Day

Students may cancel their registration by notifying the Office of the Registrar in writing prior to the first day of classes. If fees have already been paid, the student may request a full refund of fees from the Office of Purchasing and Financial Services.

Withdrawal

A student may withdraw from the University without academic penalty during the first ten weeks of any term (except for Summer Sessions). He/she must submit a completed Withdrawal Form to the Office of the Registrar. No entry is made on the academic record for withdrawals submitted during the first week of the term. All subsequent withdrawals (through the tenth week of classes in the Fall and Spring Semesters) are posted to the academic record with a “W” assigned to the courses. Withdrawal deadlines for the Summer sessions are listed in the Academic Calendar and are published in the Schedule of Classes for the Summer Term. Students who withdraw may not continue to attend classes.

Students who withdraw during the drop/add period as stated in the Academic Calendar may receive a full refund of fees. All refunds must be requested in writing from the Office of Purchasing and Financial Services. No refund is allowed after this period except for specified reasons. See “Refund of Fees” under Financial Information for complete details.

Repeat Course Surcharges

Initiated by the Florida Legislature (H.B. 1545 of 1997) to reduce costs, all state universities must monitor undergraduate student progress and charge students the “full cost of instruction” for certain repeats of undergraduate courses. This policy became effective Fall 1997 and requires USF to charge students a substantial per credit hour surcharge when they attempt a course three or more times at USF, unless the course is specifically designed to be repeated or is required to be repeated by their major. Requirements to earn a passing or higher grade than previously earned in a course do not exempt the surcharge. Students will be required to pay the surcharge in addition to the appropriate in-state or out-of-state tuition rates. It is important to note that all attempts count, including withdrawals after the first week of classes and courses with incomplete grades.

Effective Fall 2000, the University, under the authority of Board of Regents Rule 6C07001(4)(c) and Statute 240.124, F.S., may grant exceptions to this rule based on extenuating circumstances and financial hardship. However, the University may only approve one appeal per course. The exceptions included in the Statute are extenuating circumstances and financial hardship and are defined as follows:

- Extenuating circumstances are those circumstances determined by the University to be exceptional and beyond the control of the student and may include but not be limited to serious illness, documented medical condition preventing completion; death of an immediate family member, involuntary call to active duty; university error, other emergency circumstances or extraordinary situations.
- The criteria used by the universities for determining financial hardship should include, but not be limited to, qualification for federal need-based financial aid. Students with other documented financial hardships may also be considered.
- The student must fill out a Fee Adjustment Request Form and indicate the request is for a waiver of the repeat course surcharge. They must also submit a statement that explains their request and provide all documentation relating to it. The completed form with documentation should be submitted to the Office of the Registrar for consideration. If a student's request is denied, they may appeal the decision to the Office of the Dean of Undergraduate Studies.

Transcript Information

Transcripts of a student’s USF academic record may be requested by the student through the Office of the Registrar. A student’s academic record can only be released upon authorization of the student. Students requesting transcripts may do so in person or by writing to the Office of the Registrar. By law, the request must include the student’s signature and date. In order for transcripts to be issued, the student must have no financial obligations to the University. Transcripts are normally mailed/ready for pick-up within two working days after the request is received. USF Transcript Request forms are available in the following offices: Tampa Campus Registrar’s Office, regional campuses’ Records & Registration offices, and all campuses’ Cashier’s offices.

Letter requests must include: (1) date of request and student’s current address; (2) student ID number and full name; (3) a list of names and complete address of recipient; and (4) a number of copies and special instructions, such as, “hold for degree statement” or “hold for current term grades,” and the student’s signature. Degree statements are posted approximately four to six weeks after the graduation ceremony. Current term grades are posted approximately one week after the final exams end. If grades for the current term are needed, clearly indicate that the transcript request is to be held for grades.

To order transcripts by mail, send payment ($5.00 per copy, check or money order only) and Request Form or letter to:

Transcript Clerk, Registrar’s Office
USF- SVC 1034
4202 E. Fowler Avenue
Tampa, FL 33620-6950

To order a transcript in person, hand-carry payment (check, money order or cash) and Request Form or letter to a USF Cashier’s Office at any of the following Campus locations:

Tampa – ADM 131
St. Petersburg - Davis Hall, Rm. 129
Sarasota - Lobby, Building D
Lakeland (Drop Box) - Bldg. E, Rm. 2127

Transcript request forms are available in these locations. Students may complete the request process in one stop at the cashier’s offices.

College Level Academic Skills Test

The College Level Academic Skills Test (CLAST) is a part of Florida’s system of educational accountability. CLAST is a state-mandated achievement test that measures attainment of communication and mathematics skills expected of students completing their sophomore year in college. These skills were identified by the faculties of community colleges and state universities and adopted by the State Board of Education. A student must pass the CLAST or achieve alternate criteria to receive an Associate in Arts or a baccalaureate degree from any Florida public institution.

Students who have already earned a baccalaureate degree from a regionally-accredited institution are exempt from the CLAST requirement at USF.

The State Board of Education has established minimum CLAST score standards for awarding the Associate in Arts degree and for the baccalaureate degree from October 1, 1992 as follows: Reading, 295; English Language Skills, 295; Mathematics, 295; and Essay, 6.

CLAST may be taken by undergraduate, degree-seeking students who have earned 18 semester hours or the equivalent and who apply to take the test by or before the deadline established for registration. Students at USF are required to take the CLAST by the time they complete 45 semester hours. First-time-in-college and lower-level transfer students are
encouraged to take the CLAST as early as possible. Transfer students should take the CLAST the first semester they are enrolled as degree-seeking students if they have already exceeded the 45 hours from previous institutions.

If one or more subtests of the CLAST have not been passed or exemptions have not been awarded by the time a student completes 70 semester hours, the student may not register for classes until he/she has met with the appropriate college/CASST advisor. A course for remedial preparation in the content covered in the failed subtest(s) will be selected and required. Further registration may be restricted for failure to attend the designated preparation.

If a student has completed 36 hours of upper level (3000 and 4000) courses after the first attempt to pass CLAST and has not satisfied the CLAST requirement, registration will be restricted to 1000 and 2000 level courses. Preparation will be required in each of the subtests failed. Further registration at USF will be denied for failure to complete the required preparation.

Students may receive exemptions for the CLAST examination by achieving specific EACT or SAT-I scores, or by earning a 2.5 GPA in specific courses. Exemptions are awarded for the communication subtests of CLAST if an SAT-I Verbal score of 500 or an EACT English score of 21 and an EACT Reading score of 22 are achieved. Exemptions are awarded for the mathematics CLAST subtest if an SAT-I Mathematics score of 500 or an EACT Mathematics score of 21 is earned. Students receive exemptions for the CLAST communication subtest if a 2.5 GPA is achieved in at least six hours of ENC 1101 and ENC 1102. Exemptions from the CLAST mathematics subtest are issued when students have earned a 2.5 GPA in at least six hours of MAC 2102 or higher, MGF 2202 or higher and STA 2022 or higher. Any combination of these courses is permissible, providing only one statistics course is used to calculate the six-hour mathematics GPA.

Waivers from individual CLAST subtests are granted in two situations: 1) a specific documented learning disability prevents the student from achieving the skills set forth in SBE 6A-10.0316 (consult with Student Disability Services) and; 2) a student has successfully completed courses related to a specific subtest, but has failed to satisfy the CLAST requirement with a passing score or an exemption. After failing a CLAST subtest five times and successfully completing three terms of documentable preparation and a specific three-hour course related to the failed subtest, a student may apply for a waiver by submitting appropriate documentation to Evaluation and Testing (CASST 2054). A list of approved courses to satisfy this requirement is available in Evaluation and Testing.

Please Note: CLAST exemptions or waivers are not acceptable for admission to or graduation from programs in the College of Education. Refer to the Office of Evaluation and Testing, SVC 2054, for the current policies on CLAST.

Courses to Satisfy Rule 6A-10.030 (‘Gordon Rule’) 

Prior to receiving an Associate of Arts degree from a public community college or university or a Bachelor’s degree from a public university, a student shall complete successfully the following in the areas of communication and computation:

1. Communication: Twelve semester hours of English courses in which a student is required to demonstrate writing skills. For the purpose of this rule, an English course is defined as any semester-length course within the general study area of the humanities in which the student is required to produce written work of at least 6000 words.

2. Computation: Six semester hours of mathematics coursework at the level of college algebra or above. For the purpose of this rule, applied logic, statistics and other such computation coursework, which may not be placed within a mathematics department, may be used to fulfill 3 hours of the 6 hours required by this section. In order to receive credit for fulfillment of 6A-10.030, students must receive a grade of "C-" or higher in each course (no "S" grades).

In order to follow the specifics of 6A-10.030, USF has designated the following courses in which the student may demonstrate the writing and mathematical skills as set forth in this rule.

Communication (12 semester hours)

- AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] (3)
- AFA 4150 Africa and the United States (3)
- AFA 4335 Black Women in America (3)
- AFS 2250 Culture and Society in Africa (3)
- AFS 3153 African Literature Survey (3)
- AMH 3510 U.S. Diplomatic History to 1898 (4)
- AML 3604 African American Literature (3)
- AML 4303 Zora Neale Hurston: Major Works (3)
- AMS 3001 American Culture 1880-1915 (4)
- AMS 3260 American Culture, 1830-1860 (4)
- AMS 3370 Southern Women: Myth and Reality (3)
- ANT 4231 Folklore (3)
- ANT 4241 Magic and Religion (3)
- ANT 4340 The Caribbean (3)
- ANT 4432 The Individual and Culture (3)
- ANT 4620 Language and Culture (3)
- ANT 4750 Language and Social Interaction (3)
- ANT 4935 Rethinking Anthropology (3)
- ARC 4784 The City (3)
- ARH 4710 History of Photography (4)
- ARH 4721C History of Printmaking (3)
- ARH 4792 Critical Studies In Art History (4)
- CCJ 4934 Seminar in Criminology (3)
- CES 4000 Structures and The Urban Environment for Non-Engineers (3)
- CHM 4070 Historical Perspectives in Chemistry (3)
- CIS 4250 Ethical Issues And Professional Conduct (3)
- CLT 3101 Greek Literature in Translation (3)
- CLT 3102 Roman Literature in Translation (3)
- COM 4020 Communicating Illness, Grief, and Loss (3)
- COM 4030 Women and Communication (3)
- COM 4710 Writing Lives (3)
- CRW 2100 Narration and Description (3)
- CRW 3111 Form and Technique of Fiction (3)
- CRW 3112 Fiction I (3)
- CRW 3121 Fiction II (3)
- DAN 2100 Introduction To Dance (3)
- DAN 4134 Dance History Though the 19th Century (3)
- EDF 3228 Human Behavior and Environmental Selection (3)
- EEC 4008 Literature in Early Childhood Education (3)
- EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues (3)
- ENC 1101 Composition I (3)
- ENC 1102 Composition II (3)
- ENC 1121 Composition I: Honors (3)
- ENC 1122 Composition II: Honors (3)
- ENC 2210 Technical Writing (3)
- ENC 3211 Communication for Engineers (3)
- ENC 3213 Professional Writing (3)
- ENC 3310 Expository Writing (3)
- EVT 4651 Equity in Schools and the Workplace (3)
- FIL 2001 Film: The Language Of Vision (4)
- FRT 3140 French Literary Masterpieces in English Translation (3)
- FRW 4100 The French Novel (3)
- FRW 4101 Introduction to French Drama and Poetry (3)
- GEA 3405 Geography of Latin America (4)
- GEA 3500 Geography of Europe (4)
- GEO 4372 Global Conservation (4)
- GEY 3625 Sociocultural Aspects of Aging (4)
- HIS 4936 Pre-Seminar in History (3)
- HUM 4931 Seminar in Humanities (4)
- IDS 3115 Values and Choices (3)
- IDS 3683 Critical Issues Affecting the Arts (3)
- LAE 4414 Literature in Childhood Education (3)
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LAH 4416 Teaching Literature and Writing in the Elementary Grades (3)
LAH 4464 Adolescent Literature for Middle and Secondary Students (3)
LIN 3801 Language and Meaning (3)
LIT 2000 Introduction to Literature (3)
LIT 2010 Introduction to Fiction (3)
LIT 2030 Introduction to Poetry (3)
LIT 2040 Introduction to Drama (3)
LIT 3010 Literature of the Western World Through the Renaissance (3)
LIT 3020 Literature of the Western World Since the Renaissance (3)
LIT 3103 Great Literature of the World (3)
LIT 3144 Modern European Novel (3)
LIT 3155 Modern Literature (3)
LIT 3301 Cultural Studies and the Popular Arts (3)
LIT 3383 The Image of Women in Literature (3)
LIT 3451 Literature and the Occult (3)
LIT 4386 British and American Literature by Women (3)
MHP 4403 The Early History of Mathematics (3)
MUL 2111 Introduction to Music Literature (3)
NUR 6121 Theoretical Basis Of Advanced Practice Nursing (3)
NUR 6155 Ethical, Legal, and Policy Issues in Advanced Nursing Practice (3)
NUR 4194 An Interdisciplinary Perspective in HIV Disease (3)
PHH 2000 Introduction to Philosophy (3)
PHH 4600 Contemporary Philosophy (3)
PHH 4700 American Philosophy (3)
PHI 3700 Philosophy of Religion (3)
PHI 4300 Theory of Knowledge (3)
PHI 4320 Philosophy of Mind (3)
PHI 4800 Aesthetics (3)
PHM 3100 Social Philosophy (3)
PHM 4331 Modern Political Philosophy (3)
PHM 4340 Contemporary Political Philosophy (3)
PHP 3786 Existentialism (3)
PHP 4000 Plato (3)
PHP 4010 Aristotle (3)
PHP 4740 The Rationalists (3)
PHP 4745 The Empiricists (3)
PHP 4784 Analytical Philosophy (3)
PHP 4788 Philosophy of Marxism (3)
PHY 4431 Great Themes in Physics (3)
POS 4413 The American Presidency (3)
POS 4694 Women and Law II (3)
POT 4109 Politics and Literature (3)
PUP 4323 Women and Politics (3)
QMB 2100 Business And Economic Statistics I (3)
REL 2300 Introduction To World Religions (4)
REL 3111 The Religious Quest in Contemporary Films (4)
REL 3114 Comedy, Tragedy, and Religion (3)
REL 3145 Women and Religion (3)
REL 3155 Life After Death (3)
REL 3170 Religion, Ethics and Society Through Film (4)
REL 3362 Introduction to Islam (3)
REL 3367 Islam in the Modern World (3)
REL 3465 Religion and the Meaning of Life (3)
REL 3501 History of Christianity (4)
REL 3561 Roman Catholicism (3)
REL 3600 Introduction to Judaism (3)
REL 3602 Classics of Judaism (3)
REL 3613 Modern Judaism (3)
REL 4113 The Hero and Religion (3)
REL 4171 Contemporary Christian Ethics (3)
REL 4215 Ancient Israel and the Development of the Hebrew Bible (3)
REL 4221 Who Wrote the Bible (Genesis-Kings) (4)
REL 4670 Judaism and Christianity After the Holocaust (3)
RUS 3500 Russian Civilization (3)
RUT 3110 Russian Classics in English (3)
RUT 3111 Twentieth-Century Russian Literature in English (3)
SCE 4236 Science, Technology, Society Interaction (4)
SPC 4305 Communicating Emotions (3)
SYA 3310 Qualitative Inquiry (3)
SYP 4420 Consumer Culture (4)
THE 3090C Modern Theatre Practice (4)
THE 4300 Theatre Origins (3)
THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200) (3)
THE 4330 Shakespeare For The Theatre (3)
THE 4360 The 19th Century Theatre Revolution (3)
THE 4401 O'Neill And After (3)
THE 4434 Caribbean Theatre (3)
THE 4435 Theatre Of Pluralism (3)
THE 4442 Comedy Of The Classic And Neo-Classic Stage (3)
THE 4562 Contemporary Performance Theory (3)
WST 3210 Women in Western Civilization I (3)
WST 4260 Research Issues on Women of Color (3)
WST 4262 Literature by American Women of Color (3)
WST 4310 Feminism in America (3)
WST 4410 Third World Women Writers (3)

All the above courses will require 6,000 written words per course. IDH courses will fulfill the writing requirement for all University Honor students only.

**Computation (6 semester hours)**

Any courses offered by the Mathematics Department may be used. Only one course from the following list (some of which are not in the Mathematics Department) may be used.

**Course Number and Title**

**Semester Hours**

- CGS 2060 Introduction to Computers and Programming in Basic (3)
- PHI 2100 Introduction to Formal Logic (3)
- QMB 2100 Business and Economics Statistics I (3)
- STA 2023 Introduction to Statistics (4)
- STA 2122 Social Sciences Statistics (3)

Note that CGS 2060 will not satisfy the USF General Education Quantitative Methods requirement.

CLEP general/subject examinations in mathematics, calculus, college algebra, college algebra-trigonometry, and trigonometry may satisfy this requirement.

**Grades, Scholarship Requirements, and Review Procedures**

The University is interested in each student making reasonable progress towards his/her educational goals and will aid each student through guidance and faculty advising. To make students aware of their academic progress, the University has enacted a system of grading and policies of Academic Probation and Academic Dismissal that indicates whether or not a student is showing sufficient progress toward meeting degree requirements. Notations of Grades, Academic Probation and Academic Dismissal are posted to the student’s academic record.

When a student is academically dismissed from the University and is ineligible to re-enroll, it may be in his/her best interest to re-evaluate his/her educational goals with an academic advisor in his/her college. If the student’s poor academic performance has resulted from extenuating circumstances or if after a period of time the student feels he/she has gained adequate maturity and motivation, he/she may petition the Academic Regulations Committee for permission to re-enroll. See “Academic Regulations Committee,” for information on petitioning.

**Grading System**

Effective Fall Semester, 2000, USF faculty may use a plus/minus grading system to assign student grades. The use of the
plus/minus grading system is at the discretion of the individual faculty member.
A student's measure of academic achievement is recorded on the academic record based on the following grading system:

**Plus/minus Grades**

- **A+** Excellent performance: 4.00
- **A** Excellent: 4.00
- **A-** Above average: 3.67
- **B+** Good: 3.33
- **B** Good performance: 3.00
- **B-** Satisfactory: 2.67
- **C+** Average performance: 2.33
- **C** Average: 2.00
- **C-** Below average: 1.67
- **D+** Poor performance: 1.33
- **D** Poor: 1.00
- **D-** Unsatisfactory: 0.67
- **F** Failure: 0.00

**Other Grades**

- **E** Course repeated, not included in GPA
- **FF** Failure/academic dishonesty
- **I** Incomplete
- **IF** Incomplete grade changed to Failure
- **IU** Incomplete grade changed to Unsatisfactory
- **M** No grade submitted by instructor
- **MF** Missing grade changed to Failure
- **MU** Missing grade changed to Unsatisfactory
- **N** Audit
- **S** Satisfactory
- **U** Unsatisfactory
- **W** Withdrawal from course without penalty
- **WC** Withdrawal for extenuating circumstances
- **Z** Indicates continuing registration.

Please note that the grade of C- will satisfy specified minimum requirements of the Gordon Rule courses and the common prerequisites unless otherwise specified in the Catalog.

**Grade Point Average**

The University uses the quality points listed above. The grade-point average (GPA) is computed by dividing the total number of quality points by the total hours attempted at USF. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. Credit hours for courses with grades of I, U, M, MU, N, S, U, W, Z, and grades which are preceded by a "T" are subtracted from the total hours attempted before the GPA is calculated.

Credit hours for repeated USF coursework will be awarded only once per course unless the course is a university-approved repeatable course. "D" and "F" grades, however, for repeated USF coursework will be counted in the computation of the student's GPA as many times as those grades for that course are recorded. If a student originally earns a "C" or higher in a course that may not be repeated for additional credit and earns a "C" or higher on a subsequent enrollment the new grade is not computed in the USF GPA unless the forgiveness policy is being applied.

"I" Grade Policy

An "I" grade indicates incomplete coursework and may be awarded to graduate and undergraduate students. (Undergraduate rules apply to non-degree-seeking students.) It may be awarded to an undergraduate student only when a small portion of the student's work is incomplete and only when the student is otherwise earning a passing grade. Until removed, the "I" is not computed in the GPA for either undergraduate or graduate students. The time limit for removing the "I" is to be set by the instructor of the course. For undergraduate students, this time limit may not exceed two academic semesters, whether or not the student is in residence, and/or graduation, whichever comes first. "I" grades will be removed by the end of the time limit will be changed to "IF" or "IU," whichever is appropriate. If an instructor is willing, he or she may accept work from a student after an I grade has changed to an IF or IU grade, and assign the student a final grade in the course, unless the student has graduated. Whether or not the student is in residence, any change to "IF" grades will be calculated in the cumulative GPA and, if applicable, the student will be placed on appropriate probation or academically dismissed. Students are not required to re-register for courses in which they are only completing previous course requirements to change an "I" grade. However, if a student wants to audit a course for review in order to complete course requirements, full fees must be paid.

"M" Grade Policy

An "M" is automatically assigned as a default grade when the instructor does not submit any grade for an undergraduate student. (Undergraduate rules also apply to non-degree-seeking students.) Until removed, the "M" is not computed in the GPA. The time limit for removing the "M" may not exceed one academic semester (whether or not the student is enrolled) and/or graduation, whichever comes first. "M" grades that are not removed by the end of the next semester/term will be changed to "MF" or "MU," whichever is appropriate. Whether or not the student is enrolled, any change to "MF" grades will be computed in the cumulative GPA, and, if applicable, the student will be placed on appropriate probation or academically dismissed.

**S/U Grade System**

**No-option Courses.** Certain courses have been designated as S/U courses. The "S" and "U" grades are used to indicate a student's final grade. These S/U only courses are identified with (S/U) after the course definition in this catalog. No grading system option is available to students or faculty in these courses.

**Option Courses.** Any undergraduate course may be taken on an S/U basis by a student under the following conditions and restrictions:

1. Required courses in the major may not be taken on an S/U basis.
2. Specifically designated required courses in the distribution requirements of the student's college may not be taken on an S/U basis.
3. Courses to satisfy 6A-10.30 (Gordon Rule) may not be taken on an S/U basis.
4. Courses to satisfy USF's B.A. foreign language requirement may not be taken on an S/U basis.
5. All elective courses for the major and all elective courses in the distribution requirements, and all other free elective courses may be taken on an S/U basis except where:
   a. The certifying college restricts the number of courses that may be taken on an S/U basis in any one or all of the above areas or restricts the total number of S/U courses that can be accepted for all of the above areas.
   b. The certifying college specifies that certain courses may not be taken on an S/U basis.
   c. The instructor of a course refuses to allow the course to be taken on an S/U basis.

**Mechanism for Assigning S/U Grades.** The method by which a student receives an "S" or "U" grade in an option course will consist of the following:

1. A written agreement signed by both the instructor and student shall be filed with such offices as may be designated by the college. The college shall set the deadline (no later than the last day of classes for the term) for the student to decide if he/she wishes to take the course on an S/U basis.
2. The instructor shall assign final letter grades A, B, C, D, F, or I, but will transmit to the Registrar "S" or "U" consistent with the following:
Grade Forgiveness Policy

USF’s forgiveness policy permits an undergraduate to repeat a course and have the repeated grade computed in his/her GPA in place of the original grade, providing the repeat grade is “D” or higher (exception - see Honors at Graduation). A course that is repeated and the repeat grade is “F” will have both grades calculated into the GPA. Normally, grade forgiveness may only be applied to a specific course that a student chooses to repeat. No course taken on the S/U grade basis may have the grade forgiveness applied. Under unusual circumstances, a different but similar course may be used if the substitute course has been previously approved by the college dean and is on file in the Office of the Registrar.

Any undergraduate or non-degree seeking student who wishes to implement grade forgiveness must:

1. Complete a “Grade Forgiveness Request Form” (available in the Office of the Registrar) for each course to be repeated.

2. Adhere to the following conditions:
   a. A limitation of applying grade forgiveness to three USF courses with no more than one repeat per course.
   b. With prior approval of the college dean, a course different from a course on the approved list may be substituted in the following cases:
      (1) The substitute course is a change in prefix, number, hours, or title, but not a substantive change in content from the original course.
      (2) The substitute course replaces a course no longer offered by the institution.
   c. The repeated course must be taken under the standard grading system (A-F) and the latest grade must be D/D- or higher grades (grades of S/U are not permitted).
   d. All grades remain on the transcript. The original course grade will be annotated with “E” to indicate that the course has subsequently been repeated and the original grade is not computed in the GPA.
   e. Individual colleges may have further restrictions; therefore, the student should consult with his/her college.

This policy is applicable to undergraduate and non-degree seeking students only, and applies to 1000-to-5000-level courses. Once students have been awarded a bachelor’s degree, they may not repeat that course and be forgiven the original grade, taken prior to graduation.

The policy applies only to courses taken originally at USF and repeated at USF.

Good Standing

USF students will be considered in Good Standing if they are currently enrolled or eligible to return to USF.

Academic Record

The student’s academic record shall not be changed after the student has graduated.

Academic Probation and Academic Dismissal for Undergraduate Students

The first time the academic record of an undergraduate or non-degree seeking student falls below a cumulative 2.00 grade point average (GPA), counting only USF grades, he/she will be placed on Academic Probation (AP). If the cumulative GPA is not raised to 2.00 or higher at the end of the next term of enrollment, the student will be placed on Final Academic Probation (FAP). A student on Final Academic Probation who fails to raise his/her cumulative USF GPA to 2.00 or higher at the end of the next term of enrollment will be Academically Dismissed (AD) from the university.

A student admitted to the university on probationary status will be placed on Academic Probation (AP) his/her first term with the above rules related to Final Academic Probation and Academic Dismissal applying. Academic advising prior to registration is mandatory until the student is removed from probationary status.

Any student who withdraws after the fifth day of classes while on Academic Probation will be placed on Final Academic Probation. Any student who withdraws after the fifth day of classes while on Final Academic Probation or who has been placed on Conditional Readmission by the Academic Regulations Committee will be Academically Dismissed.

The determination and notification of probationary status or academic dismissal will be made by the Registrar’s Office on the student’s semester grade report and academic record.

A student who attends another college or university during academic dismissal will be classified as a transfer student, and readmission will be based on the total record accumulated from all colleges and universities attended.

If a student has accumulated fewer than 60 semester hours is academically dismissed from USF or falls below a 2.0 GPA and subsequently achieves an A.A. degree or an articulated A.S. degree from a Florida public community/junior college (other SUS institution), that student, when returning to the University, will be automatically credited with a maximum of 60 semester hours and have his/her academic record cleared and the USF GPA will begin again.

If a student who has accumulated 60 or more semester hours is academically dismissed from USF or falls below a 2.0 GPA and subsequently receives an A.A. or an articulated A.S. degree from a Florida public community/junior college (other SUS institution), that student, when returning to the University, will not automatically have his/her record cleared. The student must consult with his/her Academic Regulations Committee representative and must either:

a. Request that his/her academic record be cleared. If the student chooses this option and the Academic Regulations Committee approves the request, the student will be credited with a maximum of 60 semester hours and the USF GPA will begin again; or
b. Request that the USF hours and GPA be retained and receive specific stipulations from the Academic Regulations Committee to clear the academic record.

In either case, the decision must be made in the term of USF enrollment following the receipt of the AA degree and is considered to be a binding decision.

If a student is academically dismissed or falls below a 2.0 GPA from USF and subsequently receives a B.A/B.S. from another four-year institution, that student, when accepted to the University with the post-baccalaureate status, will have his/her academic record cleared.

The posting of the AA shall not remove the previous GPA generated at USF for a student who has earned credit at USF and is academically eligible to return to the university and who subsequently receives an A.A. from a community college.

Academic Renewal

USF recognizes that not every student’s academic record is flawless and that many times students get off to such a poor start that their future academic opportunities are limited. USF can offer many of those students a second chance.

The University’s Academic Renewal policy allows students who provide evidence that they might now achieve academic success, to renew their pursuit of baccalaureate degrees without the burden of having to overcome the effects of low grades and low grade-point-averages that reflect academic work attempted years earlier. To facilitate this opportunity, students who qualify for Academic Renewal must have the approval of the Academic Regulations Committee, have portions of their academic record not counted in the determination of their grade point averages (GPAs) for graduation purposes. Their entire academic record, however, will continue to be reflected on their transcripts even though a selected portion will not be counted in their GPAs.

Academic Renewal – Students with fewer than 90 credits:

Students who were academically dismissed or on formal
academic probationary status (institutional cumulative GPA of less than 2.0) but who otherwise were eligible to return from USF or other institutions of higher education prior to their successful completion of 60 transferable credits, may be admitted to the University with Academic Renewal after completing all requirements for the Associate in Arts degree or equivalent (including general education, Gordon Rule and CLAST requirements) at a two- or four-year college. Academic Renewal I students will enter USF as juniors and their USF grade point average will be calculated from that point forward. Such students will be required to earn 60 credits from USF, with a grade point average of at least 2.0 subsequent to the AA degree, in order to graduate from USF. They also may be excluded from admission to limited access programs. Further, students who exercise the Academic Renewal policy will not be considered for University Honors at graduation unless they meet the criteria using all grades earned.

Academic Renewal II – Students with 60 or more earned credits: Students who were academically dismissed (but who otherwise were eligible to return) from USF or other institutions of higher education after the successful completion of 60 transferable credits may be admitted to the University with Academic Renewal II if they are able to provide convincing evidence of changes that indicate they might be successful given a new opportunity. Normally, such students will have been engaged in successful non-academic activities such as work or the military for at least five years. Academic Renewal II students will be offered an opportunity to enter USF with all coursework and grades from any three academic semesters (or equivalent) prior to their academic dismissal dropped from consideration in grade-point-average calculations at the University. Students who elect to exercise the Academic Renewal policy will not be allowed to use any credit earned during the academic terms from which courses are dropped from grade-point-average consideration toward meeting degree requirements at the University* and they may be excluded from admission to limited access programs. Further, students who elect the Academic Renewal policy will not be considered for University Honors at graduation unless they meet the criteria using all grades earned.

*Students who engage in the Academic Renewal II policy will lose the credits they earned during the terms up to three terms to exclude from GPA calculations. They will not necessarily have to repeat a course completed with a grade of “C” or higher to meet specific course requirements.

College Policies For Academic Progress
Colleges may determine and implement standards of academic progress for undergraduate students (majors in the college) in addition to those established by USF. Students who do not meet the academic standards of progress set by their colleges will be placed on probation and may be disenrolled. The college dean is responsible for implementing standards of academic progress and for notifying students of their probationary or disenrollment status.

Colleges may restrict the course selections and the number of hours a student may take which do not apply toward completion of degree requirements. Students who exceed this limit may have part or all of their registration canceled.

Colleges are responsible for publicizing and students are responsible for knowing their college’s policies for academic progress.

Class Standing
A student’s class is determined by the number of credits he/she has earned without relation to his/her GPA.

- **0C** Unclassified
- **1F** Freshman 0 through 29 semester hours passed
- **2S** Sophomore 30 through 59 semester hours passed
- **3J** Junior 60 through 89 semester hours passed
- **4R** Senior 90 or more semester hours passed; however, no baccalaureate degree earned here or elsewhere
- **5B** Baccalaureate degree-holder working on a second undergraduate program or degree
- **6M** Graduate student admitted to Master’s Degree Program

6A Graduate student admitted to Specialist Degree Program
6C Admitted to Candidacy
6D Graduate student admitted to a Doctoral Degree Program
7A-7D 1st-4th year professional program (M.D.) or post-doctoral status

Admission to a College
All newly-admitted students must be advised initially by an academic advisor. All undecided students are assigned to the Center for Academic Advising for purposes of advising until a choice of major is made. At that time, he/she may enter the college containing the major department. Undecided students may remain in this classification until a maximum of 90 semester hours is earned. After that time, a major must be selected. New transfer students who have completed 90 or more hours may remain undeclared for a maximum of two terms following initial USF entry.

Change of Major
All undergraduate students desiring to change their major should consult the Advising Office in the old and new college(s) of their interest.

Administrative Holds
A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier’s Office. Each student placed on administrative hold should determine from the Office of the Registrar which office placed him/her in this status and clear the obligation with that respective office.

Student Information Changes
Notifications regarding changes of address, name, residency, and citizenship should be filed promptly with the Office of the Registrar.

Final Examinations
Examinations in academic subjects are, for most courses, an integral part of the learning process and one part of a procedure for evaluating student performance and determining grades. USF requires certain standards for the examination process in order to protect the academic integrity of courses and the best interests of both the student and the instructor.

Testing in General: In each academic course, the student is expected to undergo a meaningful testing and evaluation that will reveal the student’s intellectual growth in the subject matter covered or otherwise reflect the achievement of the course objectives.

The instructor has the responsibility of maintaining a fair and impartial testing and examination procedure, has the right to define and structure the testing process, and shall not be restricted as to form, style or content of the examination. It is the policy of USF that all students facing an examination (of any type) shall have equal advance notice of the form and content of the examination. The University regards the routine use of all or part of the same formal examination for successive academic terms as unsound policy except when used with adequate safeguards such as a random selection of questions from a large pool.

Comprehensive Final Examinations: The last 6 days of the Fall and Spring semesters shall be set aside for final examinations, and any comprehensive final examination must be given during this designated period. If a segment examination is given in lieu of a comprehensive examination, the segment examination must be given in the period designated during final examination week. The period of two hours shall be allotted for each final examination. If a student has a direct conflict, scheduled examinations, or has three or more examinations scheduled on the same day, the student may petition the appropriate instructor to reschedule one of the student’s examinations. The final examination schedule shall
Honors Convocation

The Honors Convocation is designed to recognize degree-seeking undergraduate students for high academic performance during the previous academic year.

To be eligible to participate in the Fall Honors Convocation, an undergraduate student must (1) have been enrolled during Fall, Spring, or Summer of the previous academic year; (2) have completed at least 24 USF graded (A-F) hours during that academic year; (3) have at least a 3.500 USF GPA for those minimum 24 hours; (4) have no incomplete ("I") grades; and (5) be in the top 10% of the qualified students for the college in which the student is enrolled at the end of Summer Term.

Dean’s List

Full-time undergraduate students who demonstrate superior academic achievement during one semester will be honored on a “Dean’s List.” To be eligible for the Dean’s List, a student must be in a “pool” (defined hereafter) and must complete 12 hours of graded (A-F) USF courses with no incomplete grades during the semester. The “pool” consists of all students who have registered for at least 12 hours of USF courses in a given semester. The Dean’s List shall consist of the fewer of: 1) the upper 10% of the enrollment of the college or 2) students in the college with a USF 3.5 GPA or above (ties at the 90th percentile will be included in the honors group).

The dean of the college in which the student is majoring or the Dean of Undergraduate Studies for undeclared students will recognize this academic honor. Students who are eligible should contact their College Advising Office for information.

Academic Regulations Committee

The Academic Regulations Committee (ARC) meets regularly to review petitions submitted by undergraduate students to waive University academic regulations. Students must petition and secure approval of the committee to return to the University after having been academically dismissed or to waive academic deadlines.

Effective Fall, 1998, the University has implemented a statute of limitations on student petitions for retroactive adds, drops, withdrawals, and registration. A student will be limited to two calendar years (six academic semesters/terms) for such appeals whether the student is in attendance or not.

The committee normally meets once a week on Tuesday. To petition the committee, a student must secure the appropriate form from the Office of the Registrar and consult with the ARC representative from his/her college prior to submitting the petition form. Completed forms should be returned to the Office of the Registrar no later than the preceding Thursday, to be reviewed at the next week’s meeting. Students will receive notification of the committee’s action the following week.

Student Academic Grievance Procedures

Student academic grievance procedures exist at USF to provide students the opportunity for an objective review of facts and events pertinent to the cause of academic grievances. Such review is accomplished in a collegial non-judicial atmosphere rather than an adversary one and allows the parties involved to participate.

An Academic Grievance Committee, composed of an equal number of faculty and student members, exists in each undergraduate college for the general purpose of considering student academic grievances and making recommendations based on these considerations to the dean of the college in which the alleged grievance occurred.

For information, contact the dean of the college in which the cause of the academic grievance occurred.

Academic Dishonesty And Disruption Of Academic Process

Students attending USF are awarded degrees in recognition of successful completion of coursework in their chosen fields of study. Each individual is expected to earn his/her degree on the basis of personal effort. Consequently, any form of cheating on examinations or plagiarism on assigned papers constitutes unacceptable deceit and dishonesty. Disruption of the classroom or teaching environment is also unacceptable. This cannot be tolerated in the University community and will be punishable, according to the seriousness of the offense, in conformity with this rule.

Plagiarism

Plagiarism is defined as "literary theft" and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. On written papers for which the student employs information gathered from books, articles, web sites, or oral sources, each direct citation, as well as ideas and facts that are not generally known to the public at large, or the form, structure, or style of a secondary source must be attributed to its author by means of the appropriate citation procedure. Only widely known facts and first-hand thoughts and observations original to the student do not require citations. Citations may be made in footnotes or within the body of the text. Plagiarism also consists of passing off as one’s own segments or the total of another person’s work.

1. Examples of proper citation (footnote format) are as follows [Footnoting/citation styles will depend upon those used by different academic disciplines. Many disciplines in the Natural Science areas, for example, will cite the sources within the body of the text.]
   a. "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Direct quotation]
   c. As Harry Shaw states in his Concise Dictionary of Literary Terms, 'Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft,' [Direct quotation with an introductory statement citing the source.]

2. Examples of proper citation (in body of text):
   a. Shaw (1972) states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing; complete information about source will be cited in a section at the close of the text.]
   b. Shaw (1972) was correct when he stated that "plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Quotation; complete information about source will be cited in a section at the close of the text.]

3. The following are examples of plagiarism because sources are not cited and appropriate quotation marks are not used:
   a. Plagiarism, from a Latin word meaning "kidnapping," ranges from inept paraphrasing to outright theft.
   b. Plagiarism comes from a Latin word meaning "kidnapping" and ranges from paraphrasing to theft.
   c. Plagiarism ranges from inept paraphrasing to outright theft.

Punishment Guidelines:

The student who submitted the subject paper, lab report, etc., shall receive an “F” with a numerical value of zero on the item submitted, and the “F” shall be used to determine the final course grade. It is the option of the instructor to fail the student in the course.
Cheating
Cheating is defined as follows: (a) the unauthorized grant-
ing or receipt of aid during the prescribed period of a course-
graded exercise: students may not consult written materials
such as notes or books, may not look at the paper of another
student, nor consult orally with any other student taking the
same test; (b) asking another person to take an examination
in his/her place; (c) taking an examination for or in place of
another student; (d) stealing visual concepts, such as draw-
ings, sketches, diagrams, musical programs and scores,
graphs, maps, etc., and presenting them as one’s own; (e)
stealing, borrowing, buying, or disseminating tests, answer
keys or other examination material except as officially autho-
rized, research papers, creative papers, speeches, etc. (f)
Stealing or copying of computer programs and presenting
them as one’s own. Such stealing includes the use of another
student’s program, as obtained from the magnetic media or
interactive terminals or from cards, print-out paper, etc.

PUNISHMENT GUIDELINES FOR ACADEMIC DISHONESTY:

Punishments for academic dishonesty will depend on the
seriousness of the offense and may include receipt of an “F”
or “Zero” on the subject paper, lab report, etc., an “F” in the
course, suspension or expulsion from the University. The
University drop and forgiveness policies shall be revoked for
a student accused of academic dishonesty. The internal
transcript of a student who is awarded an “F” for academic
dishonesty will read “FF.” Notice that a student has been
dismissed for reasons of academic dishonesty may be
reflected on the student’s transcript.

a. For observation of or exchanging test information with other
   students during the course of a classroom test, the students
   who receive or give such information may receive an “F” with
   a numerical value of zero on the test, and the “F” shall be used
   to determine the final course grade. It is the option of the
   instructor to fail the student in the course.

b. For the use of any prohibited device, such as a cheat sheet,
   recording, calculator if forbidden on exam, etc., during
   the course of a classroom test to assist the student or other
   students, the student using such prohibited device may receive
   an “F” in the course.

c. For the use of another student, a stand-in, to take an
   examination for the enrolled student, it is suggested that the
   enrolled student receive an “F” in the course and be sus-
   pended from school for one year and that the stand-in, if a
   University student, be suspended from school for one year.

d. For stealing, borrowing, or buying of research papers,
   creative works, speeches or tests and other exam materi-
   als or the dissemination of such materials, or the manipu-
   lation of records, placing grades in a grade book or other class
   records, the student, if enrolled in the course, may receive
   an “F” in the course and may be expelled from the University.

e. It is suggested that students who receive or give stolen
   computer programs receive an “F” with a numerical value
   of zero on the program or programs, and the “F” be used
   to determine the final course grade. It is the option of the
   instructor to fail the student in the course.

Disruption of Academic Process

Disruption of academic process is defined as the act or
words of a student in a classroom or teaching environment
which in the reasonable estimation of a faculty member: (a)
directs attention from the academic matters at hand, such as
noisy distractions; persistent, disrespectful or abusive inter-
ruptions of lecture, exam or academic discussions, or (b)
presents a danger to the health, safety or well being of the faculty
member or students.

PUNISHMENT GUIDELINES FOR DISRUPTION OF ACADEMIC
PROCESS:

Punishments for disruption of academic process will de-
pend on the seriousness of the disruption and will range from
a private verbal reprimand to dismissal from class with a final
grade of “W,” if the student is passing the course, shown on the

student record. If the student is not passing, a grade of “F” will
be shown on the student record.

Procedures for Handling Student Violations Involving Alleged Academic
Dishonesty And Disruption Of Academic Process

Alleged violations of academic dishonesty or alleged dis-
ruptions of academic process will be handled initially by
the instructor, who will discuss the incident with the student. It
must be noted that the Faculty Senate considers the traditional
relationship between student and faculty member as the
primary means of settling disputes that may arise. If the
instructor observes the alleged dishonesty occurring during an
examination, he/she should, with discretion, notify the student
of the fact before the student leaves the examination. In all
cases, the instructor must attempt to schedule a meeting with
the student to discuss the alleged dishonesty or disruptions.

After the discussion, if the student and instructor have
reached a mutual agreement as to the solution, the instructor
shall file a statement with the chairperson of the department or
equivalent, e.g. campus dean, responsible for the course,
outlining the facts of the incident and the agreed-upon solution
signed by both the instructor and student. A copy of this
statement shall be given to the student. If no solution is
reached, the matter should be referred to the chairperson of the
department or the equivalent, e.g. campus dean, for attempt at
resolution. If no resolution is reached, the matter should be
referred to the dean of the college for attempt at resolution. If no
solution is reached, the dean shall appoint a student/faculty
committee consisting of an equal number of students and
faculty to hear the two sides of the incident and to advise the
dean regarding the disposition of the case.

Academic Committee Pre-Hearing Procedure. Within a
reasonable time following the failure of the student/instructor/
dean meetings to bring about a solution, and in no event later
than three (3) months after such failure, the dean shall cause
formal charges to be filed with the appointed academic com-
mittee. The charged student shall be provided a written notice
of charges, in sufficient detail to prepare for the hearing, no less
than three (3) days before the hearing, except in cases of
emergency as specified below.

Hearings

Emergency Hearings. An expedited emergency hearing
may be held before an academic administrator appointed by
the dean or by the appointed academic committee in cases
which involve the safety, health or welfare of any student or staff
member.

Non-Emergency Hearings. Non-emergency hearings are
held before the Academic Committee.

General Principles for Non-Emergency Hearings

Burden of Proof. The burden of proof shall be on the
complainant. The standard of proof for examination shall be
"substantial evidence," that is, whether it is reasonable to
conclude from the evidence submitted that the student did
commit the violations for which he/she has been charged and
shall not be the strict criminal law standard of proof beyond a
reasonable doubt.

Record. The proceedings of all hearings shall be recorded.

Inspection of Evidence. The student may inspect the evi-
dence that will be presented against him/her.

Present Evidence. The student may present evidence
on his/her own behalf.

Question Witnesses. The student may hear and question
adverse witnesses.

Self-Incrimination. The student shall not be forced to present
testimony that would be self-incriminating.

Advisor. The student may have an advisor of his/her choice
present; however, the role of such a person is as an advisor to
the student only. The advisor may speak to and consult with the
student but may not serve as the student’s advocate, question
witnesses or otherwise participate in the proceedings.
Decision Based on Evidence. The decision of the academic committee or appointed academic administrator shall be based solely on the evidence presented at the hearing.

Decision in Writing. The decision of the academic committee or appointed academic administrator, including findings of fact and a determination of penalty or sanction if any, shall be presented to the student in writing within a reasonable period of time following the hearing.

Enrollment Status. The student’s enrollment status will remain unchanged pending final decision, except in cases of emergency, as described above. If the issue remains open at the end of the semester, the instructor shall give the student an “I” grade in the course until all issues are resolved.

Closed Hearings. All hearings shall be closed unless specifically requested otherwise in writing by the charged student prior to the hearing.

Failure to Appear. If a student against whom charges have been made fails to appear, the academic committee or academic administrator may proceed in his/her absence.

Hearing on Appeal. The charged student may appeal the decision of the academic committee or appointed academic administrator within thirty (30) working days of decision to the Dean of Undergraduate Studies or the Dean of the Graduate School, whichever is appropriate. The record of the initial hearing may be considered on appeal and the student is entitled to access the record when appealing. The decision of the Dean of Undergraduate Studies or the Dean of the Graduate School is final.

Liberal Arts Requirements
All new USF students and Former Students Returning are required to take 45 semester hours to satisfy the complete liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 9 semester hours will satisfy the exit requirements. These requirements are distributed as follows:

General Education Requirements* Semester Hours
English Composition 6
Quantitative Methods 6
Natural Sciences 6
Social Sciences 6
Historical Perspectives 6
Fine Arts 3
African, Latin American, Middle Eastern or Asian Perspectives 3

Exit Requirements*
Major Works and Major Issues 6
Literature and Writing 3

*Courses may be certified in more than one area, but students may use each course in only one (1) area.

LIBERAL ARTS GENERAL EDUCATION COURSE REQUIREMENTS (36 Semester Hours)

English Composition: This requirement consists of a minimum of six (6) semester hours of approved course work in English Composition. Students may satisfy this requirement during the second semester freshman level of composition in the following ways: by earning a letter grade of “C” or better at USF or another institution, by obtaining a sufficient score on the CLEP Freshman English test, or by receiving AP English credit. With the exception of the CLEP test, these courses will also allow students to meet a portion of their State of Florida rule 6A-10.30 Gordon Rule requirements. To satisfy the Gordon Rule, students must earn a letter grade of “C” or better in these courses.

Quantitative Methods: Competence in a minimum of six (6) semester hours of approved mathematics coursework (see the list below). These courses should include both a practical component providing students with an appreciation of how course content relates to their everyday experiences, and a historical component providing students with an understanding of the application of the material to other disciplines.

Only the courses in the list below may be used to satisfy the General Education Quantitative Methods requirement. At least one course must have either an MAC or an MGF prefix. The other course may be any course in the list.

Enrollment of CGS 2060 is required to the Gordon Rule Computation requirement. It cannot be used to satisfy USF’s General Education Quantitative Methods requirement.

Natural Sciences: Students should successfully complete a minimum of six (6) semester hours of approved coursework in the natural sciences. Students are encouraged to enroll in courses with a laboratory component. It is a goal that all students have at least one science course with a laboratory; however, facilities and personnel resources prohibit that requirement at this time. Courses may be interdisciplinary. The courses may deal with the content, theories, history, presuppositions, and methods of the discipline. They will include demonstrations and address problems, ambiguities, and different perspectives in the discipline. They will also provide students with an appreciation of how the discipline fits within the natural sciences and relates to their own lives and the broader human experience.

Social Sciences: Students must successfully complete a minimum of six (6) semester hours of approved coursework in the social sciences; the courses may be interdisciplinary and need not be sequential. Courses in the social sciences shall involve those disciplines considered to be social sciences in that they deal theoretically and empirically with individuals and their relationships to each other and to society. Courses must deal with the content, theories, history, presuppositions, and methods of the discipline. They should also address problems, ambiguities, and different perspectives in the discipline. These courses will provide students with an appreciation of how the discipline fits within the social sciences and relates to their own lives and the broader human experience.

Historical Perspectives: A minimum of six (6) semester hours of approved coursework in artistic, cultural, economic, intellectual, religious, social, and/or political history is required. At least three (3) semester hours will be in the history of Western Civilization. Courses are not limited to those in the discipline of history; however, the courses will have a historical perspective in that they provide students with a sense of the evolution of societies and peoples, including analysis of their history. A selection of chronology is necessary in these courses, but not sufficient. A historical perspective also entails analyses of various elements, such as the intellectual, cultural, artistic, economic, social, political, and religious characteristics of societies and peoples.

Fine Arts: Students are required to successfully complete a minimum of three (3) semester hours of approved coursework in the fine arts. Courses in the fine arts shall involve those disciplines considered to be fine arts in that they deal theoretically and experientially with the aesthetic dimensions of individuals and groups. Courses will concern the creative experience that takes into account the perspectives of both the artist and the public. They may be interdisciplinary and must involve the content, theories, history, presuppositions, and methods of the fine arts. They will address problems, ambiguities, and different perspectives in the disciplines of fine arts. These courses will also provide students with an appreciation of how the disciplines fit within fine arts and relate to their everyday experiences.

African, Latin American, Middle Eastern, or Asian Perspectives (ALAMEA): Students will take a minimum of three (3) semester hours of approved coursework in one of the above listed geographical areas. Course content may include social, political, and economic as well as artistic, cultural, and intellectual subject matter. The material will be presented within a geographical, chronological, and/or humanities background and will necessarily be selective.
All courses listed are certified as meeting the General Education requirement as of April, 2000. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

LIBERAL ARTS GENERAL EDUCATION REQUIREMENT

ENGLISH COMPOSITION (6 hours minimum)
ENGL 1101 Composition I -6A
ENGL 1102 Composition II -6A
ENGL 1121 Composition I: Honors -6A
ENGL 1122 Composition II: Honors -6A

QUANTITATIVE METHODS (6 hours minimum)
MAC 1105 College Algebra -6A
MAC 1140 Precalculus Algebra -6A
MAC 1147 Precalculus Algebra and Trigonometry -6A
MAC 2230 Business Calculus -6A
MAC 2233 Life Sciences Calculus I -6A
MAC 2234 Life Sciences Calculus II -6A
MAC 2281 Engineering Calculus I -6A
MAC 2282 Engineering Calculus II -6A
MAC 2311 Calculus I -6A
MAC 2312 Calculus II -6A
MGF 1106 Finite Mathematics -6A
MGF 1107 Mathematics for Liberal Arts -6A
MGF 1131 Chaos and Fractals -6A
MGF 3301 Bridge to Abstract Mathematics -6A
PHI 2100 Introduction to Formal Logic -6A
QMB 2100 Business And Economic Statistics I -6A
STA 1022 Basic Statistics -6A
STA 2023 Introductory Statistics I -6A
STA 2122 Social Science Statistics -6A

NATURAL SCIENCES (6 hours minimum)
ANT 2511 Biological Anthropology
ANT 4586 Prehistoric Human Evolution
AST 2005 Astronomy of the Solar System
AST 2006 Stellar Astronomy and Cosmology
AST 3033 Contemporary Thinking in Astronomy
BMS 4402 Principles Of Human Pharmacology
BSC 1005 Principles of Biology For Non-Majors
BSC 2010 Biology I - Cellular Processes
BSC 2011 Biology II - Diversity
BSC 2022 Biology of Aging
BSC 2025 Food: Personal and Global Perspectives
BSC 2030 Save The Planet: Environmental Sciences
BSC 2035 Sex and Today's World
BSC 2050 Environment
CHM 2021 Chemistry For Today
CHM 2045 General Chemistry I
CHM 2046 General Chemistry II
EVR 2001 Introduction to Environmental Science
GEO 2371 Introduction to Earth Systems Science
GEO 3013 Introduction to Physical Geography
GLY 2010 Dynamic Earth: Introduction to Physical Geology
GLY 2030 Environmental Geology
GLY 2038 Earth and Environmental Geology
GLY 2040 Origins: From the Big Bang to the Ice Age
GLY 2050 Science, Earth and Life
GLY 2100 History of the Earth and Life
ISC 1004 Integrated Natural Sciences I: Science that Matters
ISC 1005 Integrated Natural Sciences II: Science that Matters
MET 3722 Tropical Meteorology
OCE 2001 Introduction to Oceanography
PHY 2020 Conceptual Physics
PHY 2038 Energy and Humanity
PHY 2048 General Physics I
PHY 2049 General Physics

PHY 2053 General Physics
PHY 2054 General Physics

SOCIAL SCIENCES (6 hours minimum)
AFA 4150 Africa and the United States -6A
AFS 3251 Environmental - Cultural Study in Africa
AMS 2030 Introduction to American Studies
AMS 3601 Material Culture and American Society
AMS 3701 Racism in American Society
ANT 2000 Introduction to Anthropology
ANT 2410 Cultural Anthropology
ANT 3101 Archaeology
ANT 3610 Anthropological Linguistics
ASH 3404 Modern China
ASL 3012 Sign Language
ASL 3105 The Pacific Century
CCJ 3003 Crime and Justice in America
CCJ 3024 Survey of the Criminal Justice System
CLP 3003 Psychology of Adjustment
COM 2000 Introduction to Communication
CPO 2002 Introduction to Comparative Politics
CPO 4034 Politics of the Developing Areas
CPO 4204 Government and Politics of Africa
DEP 3103 Child Psychology
ECO 1000 Basic Economics
ECO 2013 Economic Principles (Macroeconomics)
ECO 2033 Economic Principles (Microeconomics)
EUS 3000 Europe
EUS 3022 Russia
FRE 4392 African Images in Francophone Film
GEA 2000 World Regional Geography
GBE 2350 Doing Business Around the World
GEO 1930 Geography of Current Events
GEO 2000 Introduction to Geology
GEO 3326 Aging in the 21st Century
GEO 3625 Sociocultural Aspects of Aging -6A
GEO 4612 Psychology of Aging
GEO 4628 Minority Aging
GEO 4641 Death and Dying
GEO 4647 Ethical and Legal Issues of Aging
HSC 2100 Contemporary Health Science
INP 2101 Applied Psychology
INR 1015 World Perspective
INR 3038 International Wealth and Power
INR 3084 International Terrorism
INR 4250 Political Economy of the Southern Nations
<>Biodiversity
INR 4502 International Organizations
ISS 1101 Knowledge and Society
ISS 1102 Self and Society
ISS 1103 Nature and Culture
MMC 3002 Mass Communications and Society
PAD 3003 Introduction to Public Administration
PHI 1103 Critical Thinking
PHI 2631 Ethics and Business
PHI 3630 Contemporary Moral Issues
PHI 3640 Environmental Ethics
PHI 3700 Philosophy of Religion -6A
PHM 3101 Social Philosophy -6A
POS 2080 The American Political Tradition
PSY 2012 Psychology I
PSY 3022 Contemporary Problems in Psychology
PSY 3044 Psychology II
REL 3111 The Religious Quest in Contemporary Films -6A
REL 3170 Religion, Ethics and Society Through Film -6A
REL 3330 The Religions of India
REL 3600 Introduction to Judaism -6A
SOP 3742 Psychology of Women
SOW 3203 The American Social Welfare System
SPA 3002 Introduction to Disorders of Speech and Language

UNIVERSITY OF SOUTH FLORIDA - 2001/2002 UNDERGRADUATE CATALOG
ACADEMIC POLICIES AND PROCEDURES

SPC 2541 Persuasion (3)
SPC 2500 Public Speaking (3)
SPC 3301 Interpersonal Communication (3)
SPC 3710 Communication and Cultural Diversity (3)
SYD 3700 Racial and Ethnic Relations (3)
SYG 2000 Introduction to Sociology (3)
SYG 2010 Contemporary Social Problems (3)
SYP 3000 Social Psychology (3)
WST 3000 Human Sexual Behavior (3)
WST 3200 Introduction to Women's Studies (3)
WST 3311 Issues in Feminism (3)
WST 3440 Women and Social Action (3)

HISTORICAL PERSPECTIVES (6 hours minimum)
AFA 4150 Africa and the United States -6A (3)
AFA 4400 Middle Passage (3)
AFH 3100 African History to 1850 (3)
AFH 3200 African History since 1850 (3)
AMH 2010 American History I (3)
AMH 2020 American History II (3)
AMH 3571 African American History to 1865 (3)
AMH 3572 African American History since 1865 (3)
AML 3453 Historical Perspectives in Early American Literature (3)
AMS 2030 Introduction to American Studies (3)
AMS 2201 Colonial American Culture (3)
AMS 2270 Nineteenth-century American Culture (3)
AMS 3001 American Culture 1880-1915 -6A (4)
AMS 3210 Regions of America (3)
AMS 3260 American Culture, 1830-1860 -6A (4)
AMS 3370 Southern Women: Myth and Reality -6A (3)
AMS 3601 Material Culture and American Society (3)
AMS 3700 Racism in American Society (3)
ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ARH 3001 Introduction To Art (3)
ARH 3454C Contemporary Issues in Art (4)
ASH 3404 Modern China (4)
ASN 3105 The Pacific Century (3)
CLA 3103 Greek Civilization (3)
CLA 3123 Roman Civilization (3)
CLT 3370 Classical Mythology (3)
EGN 2031 History of Technology (3)
EGN 2082 History of Electrotechnology (3)
ENL 3323 Shakespeare from an Historical Perspective (3)
EHU 2011 Ancient History I (3)
EHU 2012 Ancient History II (3)
EHU 2021 Medieval History I (3)
EHU 2022 Medieval History II (3)
EHU 2030 Modern European History I (3)
EHU 2031 Modern European History II (3)
EUS 3202 Russia (3)
FRE 4392 African Images in Francophone Film (3)
GAE 2000 World Regional Geography (4)
HUM 2211 Studies in Culture: The Classical Through Medieval Periods (3)
HUM 2243 Studies in Culture: The Renaissance Through the Twentieth Century (3)
HUM 3251 Studies in Culture: The Twentieth Century (3)
LAH 2020 Latin American Civilization (3)
LAH 2734 Latin American History in Film (3)
LIT 2000 Introduction to Literature -6A (3)
LIT 2010 Introduction to Fiction -6A (3)
LIT 2011 Introduction to Poetry -6A (3)
LIT 2040 Introduction to Drama -6A (3)
LIT 3022 Modern Short Novel (3)
LIT 3144 Modern European Novel -6A (3)
LIT 3155 Modern Literature -6A (3)
MMC 3602 Mass Communications and Society (3)
PHI 3350 Music History -6A (3)
PHI 2000 Introduction to Philosophy -6A (3)
PHM 3100 Social Philosophy -6A (3)
PHP 3786 Existentialism -6A (3)
POS 2080 The American Political Tradition (3)
REL 2300 Introduction to World Religions -6A (4)
REL 2306 Contemporary World Religions (4)
REL 3111 The Religious Quest in Contemporary Films -6A (4)
REL 3170 Religion, Ethics and Society Through Film -6A (4)
REL 3362 Introduction to Islam -6A (3)
REL 3367 Islam in the Modern World -6A (3)
REL 3501 History of Christianity -6A (4)
REL 3600 Introduction to Judaism -6A (3)
REL 4215 Ancient Israel and the Development of the Hebrew Bible -6A (3)
SPE 3230 Rhetorical Theory (3)
SPE 3631 Rhetoric of the Sixties (3)
SYD 3700 Racial and Ethnic Relations (3)
WST 2250 Female Experience in America (3)
WST 3210 Women in Western Civilization I -6A (3)
WST 3220 Women in Western Civilization II (3)

FINEARTS (3 hours minimum)
AFS 3251 Environmental - Cultural Study in Africa (3)
ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ARH 3001 Introduction To Art (4)
ARH 3454C Contemporary Issues in Art (4)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)
DAN 2100 Introduction To Dance -6A (3)
EGN 2080 Light and the Arts: A Quantitative Approach (3)
FIL 2001 Film: The Language Of Vision -6A (3)
FIL 3510 World Cinema -6A (4)
HUM 2024 The Arts (3)
IDS 3652 Arts Connections (3)
MUH 2051 Folk And Traditional Music Of World Cultures (3)
MUH 2632 Music In The United States (3)
MUH 3016 Survey Of Jazz (3)
MUL 2111 Introduction To Music Literature -6A (3)
MUL 3001 Issues In Music (3,2,3)
MUL 3012 Music in Your Life (3)

ALAMEAPERSPECTIVES (3 hours minimum)
AFA 2000 Introduction to the Black Experience [In Africa and its Diaspora] -6A (3)
AFA 4150 Africa and the United States -6A (3)
AFA 4400 Middle Passage (3)
AFH 3100 African History to 1850 (3)
AFH 3200 African History since 1850 (3)
AFS 2250 Culture and Society in Africa -6A (3)
AFS 3251 Environmental - Cultural Study in Africa (3)
ANT 2000 Introduction to Anthropology (3)
ANT 3610 Cultural Anthropology (3)
ANT 3005 The Anthropological Perspective (3)
ASH 3404 Modern China (4)
ASN 3014 China Today (3)
ASN 3030 The Middle East (3)
ASN 3105 The Pacific Century (3)
CPO 4034 Politics of the Developing Areas (3)
CPO 4204 Government and Politics of Africa (3)
EUS 3022 Russia (3)
FRE 4392 African Images in Francophone Film (3)
GAE 2000 World Regional Geography (4)
GEO 3625 Sociocultural Aspects of Aging -6A (3)
HUM 3271 Eastern and Western Culture from Antiquity to 1600 (3)
HUM 3273 Eastern and Western Culture Since 1400 (3)
INR 1015 World Perspective (3)
INR 3084 International Terrorism (3)
INR 4125 Political Economy of the Southern Nations (3)
INR 4502 International Organizations (3)
LAH 2020 Latin American Civilization (3)
LAH 2734 Latin American History in Film (3)
LAS 3116 Latin America Through Film (3)
LIBERAL ARTS EXIT REQUIREMENTS

A student’s liberal arts education will continue throughout the college years and not be limited to a relatively small number of required courses in the first two years of college. Exit requirements will provide students with an opportunity during their junior and senior years at USF to integrate their knowledge within the context of liberal arts. Courses that satisfy the exit requirements will, where appropriate, incorporate considerations of values and ethics, international and environmental perspectives; race and ethnicity; and gender. By their junior and senior years, students will have a foundation in liberal arts and be better able to reflect upon ethical issues in a constructive way. Students graduating from the College of Education or the College of Engineering may be required to complete only six hours (two exit courses) and should consult with their advisors regarding exceptions to this requirement.

Students will take at least one of the Liberal Arts Exit courses outside their discipline(s). For purposes of this policy, the term “discipline” refers to the following fields: business, education, engineering, fine arts, health sciences, letters, natural sciences, and social sciences (See list below of “Outside the Discipline” Liberal Arts Exit Courses). One of the Major Works and Major Issues courses, if taken outside the student’s major discipline(s), may be taken for S/U credit with the consent of the instructor. Only courses numbered 3000 and above may be used to satisfy the exit requirements. Exit requirements must be taken at USF.

All exit requirement courses will be seminar-size courses in which enrollment will be targeted at approximately 20 to 25 students. These courses will be taught by regular faculty.

Major Works and Major Issues (6 credit hours required): A portion of the exit requirements consists of a minimum of six (6) semester hours of approved coursework concerning major works and major issues. Courses will focus on major issues, documents, or works, and will allow students to delve into primary texts. These courses may allow students to delve into topics on an interdisciplinary basis. Students will be encouraged to write enough to fulfill Gordon Rule requirements. One of the Major Works and Major Issues courses, if taken outside the student’s major discipline(s), may be taken for S/U credit with the consent of the instructor.

Major Works and Major Issues courses must offer the opportunity for integration of content. These courses will have a liberal arts content and, when appropriate, will contain in-depth discussions of values and ethics, international and environmental perspectives; race and ethnicity; and gender. Courses may be interdisciplinary and may be team taught. This will provide students with an opportunity to explore, in-depth and on an interdisciplinary basis, major topics that are important but outside of the major field of study.

Literature and Writing (3 credit hours required): In addition, students will take three (3) semester hours of approved exit requirement coursework in literature and writing. These courses will allow students to read significant literature of the world and write at least 6,000 words. The 6,000-word requirement meets Gordon Rule requirements and is for students who may wish to satisfy some of this requirement with upper-level courses. The writing requirement may be satisfied with assignments that include, for instance, revision and process writing. The course may be taken within the major if appropriate. The courses will focus on dimensions of values and ethics, international and environmental perspectives; race and ethnicity; and gender.

All students must achieve an overall average of “C” (2.0 GPA) in the lower level requirements and a grade of “C” or better in each of the exit requirement courses.

Although post-secondary foreign language courses may not be required for all graduates, students are encouraged to become competent in at least one foreign language. Foreign language study enriches the command of English, enlarges cultural perspective, and enhances learning skills.

All courses listed are certified as meeting the Exit requirement as of April, 1989. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

LIBERAL ARTS EXIT REQUIREMENT COURSES

MAJOR WORKS AND MAJOR ISSUES

AFA 4200 Slavery in the Americas and the Caribbean (3)
AFA 4313 Black English (3)
AFA 4335 Black Women in America -6A (3)
AFA 4350 African American Community Research (3)
AFA 4400 Middle Passage (3)
AFS 4311 The African Diaspora: Blacks in the Construction of the Americas (3)
AML 4303 Zora Neale Hurston: Major Works -6A (3)
AMS 4804 Major Issues in America (3)
ANT 4172 Historical Archaeology -6A (3)
ANT 4241 Magic and Religion -6A (3)
ANT 4302 Gender in Cross-Cultural Perspective (3)
ANT 4316 Ethnic Diversity in the United States (3)
ANT 4323 Mexico and Central America (3)
ANT 4340 The Caribbean -6A (3)
ANT 4401 Exploring Cross-Cultural Diversity (3)
ANT 4432 The Individual and Culture -6A (3)
ARC 4784 The City -6A (3)
ARH 3454C Contemporary Issues in Art (4)
ARH 4455 Modern Political Iconography (4)
ARH 4710 History of Photography -6A (4)
BSC 4057 Environmental Issues (3)
CCJ 4934 Seminar in Criminology -6A (3)
CEG 4850 Capstone Geotechnical/Transportation Design (3)
CEG 4900 Structures and The Urban Environment for Non-Engineers -6A (3)
CES 4740 Capstone Structural/Geotechnical/Material Design (3)
CGN 4122 Professional and Ethical Issues in Engineering (3)
CHM 4070 Historical Perspectives in Chemistry -6A (3)
CIS 4250 Ethical Issues And Professional Conduct -6A (3)
CLT 3101 Greek Literature in Translation -6A (3)
CLT 3102 Roman Literature in Translation -6A (3)
COM 4030 Women and Communication -6A (3)
CWR 4812 Capstone Water Resources/Environmental Design (3)
ECH 4615 Plant Design (3)
ECO 3703 International Economics (3)
ECO 4323 Radical Political Economy (3)
ECP 3201 Economics of Women and Work (3)
ECP 3302 Environmental Economics (3)
ECP 3613 Economics of the Urban Environment (3)
ECON 4003 Comparative Economic Systems (3)
EDF 3228 Human Behavior and Environmental Selection -6A (3)
EDF 3542 Philosophy of Education (4)
EDF 3604 Social Foundations of Education (3)
EEL 4906 Professional Issues and Engineering Design (2)
EGN 4831 Technology and Society (3)
EIN 4365 Facilities Design II (3)
EML 4551 Capstone Design (3)
EVR 4027 Wetland Environments (3)
EVT 4651 Equity in Schools and the Workplace - 6A (3)
FRE 4392 African Images in Francophone Film (3)
FRW 3001 Great French Love Stories in Translation (3)
FRT 3140 French Literary Masterpieces in English Translation - 6A (3)
FRW 4100 The French Novel - 6A (3)
FRW 4101 Introduction to French Drama and Poetry - 6A (3)
GEB 4890 Strategic Management and Decision Making (3)
GEO 4322 Global Conservation - 6A (4)
GEO 4470 Political Geography (4)
GEO 4604 Advanced Urban Geography (4)
GET 3100 German Literature in English Translation (3)
GEY 4635 Business Management in an Aging Society (3)
GEY 4647 Ethical and Legal Issues of Aging (3)
GLY 4045 Moons, Planets, and Meteors: An Introduction to Planetary Science (3)
GLY 4053 Theories and Arguments about the Earth (3)
GLY 4734 Beaches and Coastal Environments (3)
GLY 4805 Geology and Development of Modern Africa (3)
His 3308 War and Society (3)
His 3688 Issues in History (3)
His 4936 Pro-Seminar in History - 6A (4)
HUM 4938 Major Issues in the Humanities (3)
IDS 3115 Values and Choices - 6A (3)
IDS 3663 Critical Issues Affecting the Arts - 6A (3)
INR 3018 World Ideologies (3)
INR 3102 International Political Cultures (3)
INR 3202 International Human Rights (3)
INR 4089 Conflict In The World (3)
INR 4254 Africa in World Affairs (3)
INR 4936 Senior Seminar (3)
ISS 4935 Seminar in the Social Sciences (3)
LIT 3103 Great Literature of the World - 6A (3)
LIT 3155 Modern Literature - 6A (3)
LIT 3301 Cultural Studies and the Popular Arts - 6A (3)
LIT 3374 The Bible As Literature (3)
LIT 3383 The Image of Women in Literature - 6A (3)
LIT 3451 Literature and the Occult - 6A (3)
LIT 4386 British and American Literature by Women - 6A (3)
LIT 4804 Literature as Cultural Study (3)
MHF 4403 The Early History of Mathematics - 6A (3)
MHS 4052 Human Relations Skills in Counseling (4)
MUH 3201 Music History/Baroque and Classic (3)
MUH 3302 Music History/Romantic and 20th Century (3)
MUH 4058 Intercultural Music In The Twentieth Century (3)
NGR 6080 Family and Population-Based Health (3)
NGR 6121 Theoretical Basis of Advanced Practice Nursing - 6A (3)
NRR 6155 Ethical, Legal, and Policy Issues in Advanced Nursing Practice - 6A (3)
NLY 3625 Ethical Legal Aspects in Nursing and Health Care (3)
NUR 4194 An Interdisciplinary Perspective in HIV Disease - 6A (3)
PAD 4144 Nonprofit Organizations and Public Policy - 6A (3)
PET 3202 Issues in Sport (3)
PHH 4500 Contemporary Philosophy - 6A (3)
PHH 4700 American Philosophy - 6A (3)
PHI 4073 African Philosophy (3)
PHI 4300 Theory of Knowledge - 6A (3)
PHI 4320 Philosophy of Mind - 6A (3)
PHI 4632 Feminist Ethics (3)
PHI 4800 Aesthetics - 6A (3)
PHM 4600 Major Black Thinkers (3)
PHM 4322 Ancient and Medieval Political Philosophy (3)
PHM 4331 Modern Political Philosophy - 6A (3)
PHM 4340 Contemporary Political Philosophy - 6A (3)
PHP 4000 Plato - 6A (3)
PHP 4010 Aristotle - 6A (3)
PHP 4740 The Realists - 6A (3)
PHP 4745 The Empiricists - 6A (3)
PHP 4788 Philosophy of Marxism - 6A (3)
PHY 4031 Great Themes in Physics - 6A (3)
POS 4694 Women and Law II - 6A (3)
POT 4681 The Politics of Identity, Difference and Inequality (3)
PUP 4323 Women and Politics - 6A (3)
REL 3114 Comedy, Tragedy, and Religion - 6A (3)
REL 3148 Womanist Vision in Religion (3)
REL 3155 Life After Death - 6A (3)
REL 3230 Biblical Archaeology (3)
REL 3303 Comparative Religion: Judaism and Islam (3)
REL 3375 Issues in Caribbean Religions (3)
REL 3465 Religion and the Meaning of Life - 6A (3)
REL 3561 Roman Catholicism - 6A (3)
REL 3602 Classics of Judaism - 6A (3)
REL 3613 Modern Judaism - 6A (3)
REL 4113 The Hero and Religion - 6A (3)
REL 4133 Mormonism in America (3)
REL 4171 Contemporary Christian Ethics - 6A (4)
REL 4177 Comparative Religious Ethics - 6A (4)
REL 4215 Ancient Israel and the Development of the Hebrew Bible - 6A (3)
REL 4221 Who Wrote the Bible (Genesis-Kings) - 6A (4)
REL 4626 Reason in Religion: Talmudic Logic (3)
REL 4670 Judaism and Christianity After the Holocaust - 6A (4)
RUS 3500 Russian Civilization - 6A (3)
RUT 3110 Russian Classics in English - 6A (3)
RUT 3111 Twentieth-Century Russian Literature in English - 6A (3)
SCE 4236 Science, Technology, Society Interaction - 6A (4)
SPA 4050 Introduction to the Clinical Process (3)
SPC 4201 Oral Tradition (3)
SPC 4632 Rhetoric and Social Change - 6A (3)
SPC 4714 Communication, Culture and Community (3)
SSE 4380 Global And Multicultural Perspectives in Education (3)
SYA 4935 Senior Seminar (3)
SYO 4430 Disability and Society (3)
SYP 4420 Consumer Culture - 6A (3)
THE 3110 Theatre History I (3)
THE 3111 Theatre History II (3)
THE 4180 Theatre Origins - 6A (3)
THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200) - 6A (3)
THE 4330 Shakespeare For The Theatre - 6A (3)
THE 4401 O'Neill And After - 6A (3)
THE 4434 Caribbean Theatre - 6A (3)
THE 4435 Theatre Of Pluralism - 6A (3)
THE 4562 Contemporary Performance Theory - 6A (3)
WST 3225 Women, Environment and Gender (3)
WST 4260 Research Issues on Women of Color - 6A (3)
WST 4310 Feminism in America - 6A (3)
WST 4350 Women and Science (3)
WST 4522 Classics in Feminist Theory (3)
ZOO 4512 Sociobiology (3)

LITERATURE AND WRITING
AFS 3153 African Literature Survey - 6A (3)
AMH 3604 African American Literature - 6A (3)
AML 4303 Zora Neale Hurston: Major Works - 6A (3)
AML 4624 Black Women Writers - 6A (3)
DAN 4134 Dance History Though the 19th Century - 6A (3)
EEC 4008 Literature in Early Childhood Education - 6A (3)
EXX 4742 Narrative Perspectives on Exceptionality: Cultural and Multicultural Issues - 6A (3)
FRT 3140 French Literary Masterpieces in English Translation - 6A (3)
FRW 4100 The French Novel - 6A (3)
FRW 4101 Introduction to French Drama and Poetry - 6A (3)
LAE 4414 Literature in Childhood Education - 6A (3)
LAE 4416 Teaching Literature and Writing in the Elementary Grades - 6A (3)
LAE 4464 Adolescent Literature for Middle and Secondary Students (3)
LIT 3103 Great Literature of the World -6A (3)
LIT 3155 Modern Literature -6A (3)
LIT 3301 Cultural Studies and the Popular Arts -6A (3)
LIT 3383 The Image of Women in Literature -6A (3)
LIT 3451 Literature and the Occult -6A (3)
LIT 4306 British and American Literature by Women -6A (3)
NGR 6121 Theoretical Basis Of Advanced Practice Nursing -6A (3)
NGR 6155 Ethical, Legal, and Policy Issues in Advanced Nursing Practice -6A (3)
NUR 4194 An Interdisciplinary Perspective in HIV Disease -6A (3)
POT 4109 Politics and Literature -6A (3)
REL 3613 Modern Judaism -6A (3)
REL 4177 Comparative Religious Ethics -6A (4)
REL 4215 Ancient Israel and the Development of the Hebrew Bible -6A (3)
REL 4221 Who Wrote the Bible (Genesis-Kings) -6A (4)
REL 4670 Judaism and Christianity After the Holocaust -6A (4)
RUT 3110 Russian Classics in English -6A (3)
RUT 3111 Twentieth-Century Russian Literature in English -6A (3)
SYA 3310 Qualitative Inquiry -6A (4)
SYF 4420 Consumer Culture -6A (3)
THE 4180 Theatre Origins -6A (3)
THE 4320 The Theatre Of Myth And Rhythmic/Northern European (950-1600) And Oriental (400-1200) -6A (3)
THE 4330 Shakespeare For The Theatre -6A (3)
THE 4360 The 19th Century Theatre Revolution -6A (3)
THE 4401 O'Neil And After -6A (3)
THE 4434 Caribbean Theatre -6A (3)
THE 4435 Theatre Of Pluralism -6A (3)
THE 4442 Comedy Of The Classic And Neo-Classic Stage -6A (3)
The 4562 Contemporary Performance Theory -6A (3)
WST 4262 Literature by American Women of Color -6A (3)
WST 4410 Third World Women Writers -6A (3)

"Outside the Discipline" Liberal Arts Exit Courses
"Outside the discipline" in Liberal Arts Exit courses is defined as outside a cluster of departments or programs. Students with majors from one cluster, must take at least one certified Liberal Arts Exit course from any of the other clusters identified below.

Cluster 1: Arts & Letters - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 2-8.
American Studies Humanities
Classics & Classical Italian
Languages Liberal Studies
Communication Mass Communications
English Philosophy
French Religious Studies
German Russian
Spanish

Cluster 2: Natural Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit courses in Clusters 1 or 3-8.
Biology Interdisciplinary Natural Sciences
Chemistry Mathematics
Environmental Science Medical Technology
and Policy Microbiology
Geology Physics

Cluster 3: Social Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1 or 2 or 4-8.
Africana Studies Interdisciplinary Social Sciences
Anthropology International Studies
Criminology

Economics Political Science
(Social Sciences) Psychology
Geography Social Work
Gerontology Sociology
History Women’s Studies

Cluster 4: Business - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-3 or 5-8.
Accounting Management Information
Economics (Business) Systems
Finance Management
General Business Marketing
Administration

Cluster 5: Engineering - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-4 or 6-8.
Chemical Engineering Industrial & Management
Civil Engineering Engineering
Computer Engineering Information Systems
Computer Science (Engineering)
Electrical Engineering Mechanical Engineering
Engineering Science

Cluster 6: Fine Arts - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-5 or 7-8.
Art Music
Art History Theatre
Dance

Cluster 7: Education - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-6 or 8. (See exceptions below for students in Art Education, Drama Education, Dance Education or Music Education.)
Behavior Disorders Industrial-Technical
Business and Office Education
Education Mathematics Education
Distributive Education Mental Retardation Education
Early Childhood Education Physical Education
Elementary Education Science Education
English Education Social Studies Education
Foreign Languages Specific Learning Education
Disabilities Education

Cluster 8: Nursing - Nursing majors must take at least one certified Liberal Arts Exit course in Cluster 1-7.

Exceptions to the Cluster Rule:
For the degree programs below, the “outside the discipline" criterion is met differently.
Art Education - a certified course from either Education or Fine Arts Cluster can meet the criterion.
Drama Education - a certified course from either Education or Fine Arts Cluster can meet the criterion.

Freshman English Requirement
All first-time-in-college students are required to take Freshman English (a sequential two-semester course of study) in accordance with the following conditions:
1. First-time-enrolled students (a) who do not intend to take the CLEP Freshman English Test or (b) who have been notified of failing CLEP prior to registration and who do not intend to attempt the exam a second time must take ENC 1101 and ENC 1102 sequentially. If a student fails the first course, he/she must repeat it before proceeding to the next Freshman English course. Students should normally take these courses during their freshman year, but these courses are high demand and it is possible that registration space will not always be available.
2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus or (b) who have failed but wish to repeat the test should attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or doesn’t attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete these courses in the first semester of his/her sophomore year.

These policies do not apply to first-time-enrolled students who can meet the Freshman English requirement with credit transferred from another institution or those with appropriate AP English credit.

Credit by Examination

A student who feels he/she has already acquired the basic content of a course on his/her approved schedule should inquire about credit-by-examination. Some exams are offered through the College Level Examination Program (CLEP) and others may be offered within departments. Interested students should obtain additional information from their advisors or the Office of Evaluation and Testing.

Graduation Requirements

Baccalaureate Degree

University Requirements

University minimum requirements for graduation consist of the following: earn a minimum of 120 semester hours with an overall 2.00 GPA, including a 2.00 GPA in all courses attempted at USF; a transfer student must have a GPA of 2.0 or higher when combined with all work attempted at other institutions; satisfactorily complete CLAST and the writing and computation course requirements of 6A-10.30; earn a minimum of 48 semester hours of upper-level work (courses numbered 3000 and above); complete Liberal Arts requirements; complete residency requirement; and be recommended for graduation by the dean of the appropriate college. The requirements must be met by every student upon whom a degree is conferred. The total number of semester hours needed to complete the baccalaureate degree depends upon the academic major field of study. No grades may be changed following graduation.

All students entering USF with fewer than 60 semester hours of credit are required to earn at least 9 semester hours of credit prior to graduation by attendance during one or more summer semesters. The University may waive the application of this rule in cases of unusual hardship to the individual. (See Summer Enrollment Requirement below.)

Summer Enrollment Requirement

As stated above, effective September 1, 1976, all students entering USF with fewer than 60 semester hours of credit are required to earn at least 9 semester hours of credit prior to graduation by attendance during one or more summer semesters. The University may waive the application of this rule in cases of unusual hardship. A student who wishes to have the rule waived must complete a “Request for Waiver of Mandatory Summer Enrollment Form” available in the Office of the Registrar. After submission of the form to the Office of the Registrar, the student will be notified by mail of the action taken.

The requirement may be fulfilled only by attending one of the universities in the State University System: University of South Florida, Tampa; Florida Agricultural and Mechanical University, Tallahassee; Florida Atlantic University, Boca Raton; Florida Gulf Coast University, Fort Myers; Florida International University, Miami; Florida State University, Tallahassee; University of Central Florida, Orlando; University of Florida, Gainesville; University of North Florida, Jacksonville; and University of West Florida, Pensacola.

Foreign Language

Graduation Requirement for B.A. Students

In addition to the foreign language entrance requirement (as required by FS 240.233), students applying for a Bachelor of Arts degree from USF must demonstrate competency in a foreign language. To demonstrate this competency, students may take either two semesters of a beginning college-level foreign language or one semester of a higher-level course and earn a letter grade of “C” (no “S” grades) or above in the appropriate level course or demonstrate equivalent competency by passing an examination. Languages should be selected from among the ones listed below:

Classical Languages

Greek (Ancient)  Hebrew (Classical)
Greek (New Testament)  Latin
Modern Languages

Arabic  Hebrew (Modern)  Portuguese
Chinese  Italian  Russian
French  Japanese  Spanish
German  Polish  Yoruba
Greek (Modern)

American Sign Language

Approval needed by the student’s program/department major. The following programs accept Sign Language Competency for the exit requirement: Africana Studies, Anthropology, Communication, Communication Sciences and Disorders, Criminology, Gerontology, History, Mass Communications, Political Science, Religious Studies, Theatre, Women’s Studies, and all programs in the College of Education

Students electing to take the examination in French, German, Italian, Portuguese, Russian, or Spanish should apply to the Director of the Division of Modern Languages and Linguistics. Students taking the examination in Ancient or Modern Greek or in Latin should also apply to the Director of the Division of Modern Languages and Linguistics. Students taking the examination in New Testament Greek or in Hebrew should apply to the Chairperson of Religious Studies. Students utilizing American Sign Language should apply to the Chairperson of Communication Sciences and Disorders.

Foreign Language Placement

Students with two or more years of study in a foreign language in high school or with postsecondary course(s) in foreign language, or with experiential learning of a foreign language may not enroll for credit in courses that language without first taking a placement examination administered by the Division of Languages and Linguistics. Should the placement examination indicate that remedial work is required (1120-1121), the student will be allowed to enroll with the understanding that the grade eventually earned will be either an “S” or “U.”

Under no circumstances will a student who places above the first year level or who passes a higher-level course be allowed to register for or receive credit for a lower-level course in that specific language. Students to whom this regulation applies should inquire of the Division of Modern Languages and Linguistics for the placement examination.

Academic Residence

Candidates for graduation must have completed at least 30 hours of the last 60 hours of their undergraduate credit in USF courses. The approval of the dean of the college granting their degree must be secured for any transfer credits offered for any part of these last 60 hours.

Exceptions to the above rules are students who are enrolled at other universities on approved exchange programs, cooperative education students enrolled in other institutions (prior approval having been secured from their USF advisors) while on their training periods, and students taking correspondence work from the University of Florida. CLEP credit does not count toward academic residency.
### Academic Major

USF offers curricula leading to the baccalaureate degree in the following fields. The degree is indicated in parentheses after each major code. For clarification, the following terms are defined:

**Specialization:** Those courses required to give the student academic concentration and baccalaureate identification such as Mathematics, Accounting, Psychology, etc.

**Supporting or Related:** Those courses may be prerequisites to the specialization courses, or they may support specialized courses by giving preparation or breadth to the area of specialization. These courses are often referred to as college or program core courses.

**Program Electives:** These are usually a broad band of courses offered by the college offering the major to further enrich the student in the general academic field of the major.

### College of Arts and Sciences:

**African Studies (AFA) (B.A.)**

**American Studies (AMS) (B.A.)**

**Anthropology (ANT) (B.A.)**

**Biology (BIO) (B.S.)**

- Cell and Molecular (CAM) (B.S.)
- Marine (MRN) (B.S.)
- Ecology (ECL) (B.S.)
- Physiology (PGY) (B.S.)
- Biochemistry/Biotechnology (CBY) (B.A.)
- Environmental (CHV) (B.A.)
- Health Professions (CHH) (B.A.)
- Chemistry (CHS) (B.S.)
- Environmental (CHV) (B.S.)
- Classics (Classical Languages) (CLS) (B.A.)
- Classics (Latin) (CLL) (B.A.)
- Communication (SPE) (B.A.)
- English (ENS) (B.A.)
- Interpersonal & Organizational (SIO) (B.A.)
- Performance (SMP) (B.A.)
- Public & Cultural (SPL) (B.A.)
- Theater (STA) (B.A.)

**Communication Sciences and Disorders (CSD) (B.A.)**

- Deaf Studies (DST) (B.A.)
- Interpreter Training (ITT) (B.A.)
- Speech/Language/Hearing Science (LSH) (B.A.)

**Criminology (CCJ) (B.A.)**

- Community Corrections (COC) (B.A.)
- Juvenile Justice (JVV) (B.A.)
- Urban Law Enforcement (ULE) (B.A.)
- Economics (ECO) (B.A.)

**English (ENG) (B.A.)**

- Literature (LIT) (B.A.)
- Creative Writing-Fiction (CWF) (B.A.)
- Creative Writing-Poetry (CWP) (B.A.)
- Professional-Technical Writing (CWT) (B.A.)
- Environmental Science and Policy (ESP) (B.S.)
- French (FRE) (B.A.)
- Geography (GPY) (B.A.)
- Environmental (EVG) (B.A.)
- Urban and Social (USG) (B.A.)
- Geology (GLY) (B.A.)
- Geology (GLS) (B.S.)
- Environmental (GLE) (B.S.)
- German (GER) (B.A.)
- Gerontology (GEY) (B.A.)
- Gerontology (GES) (B.S.)
- History (HTY) (B.A.)
- Humanities (HUM) (B.A.)

**Interdisciplinary (ICL) (B.A.)**

**Interdisciplinary Natural Sciences (INS) (B.A.)**

- Biology (INB) (B.A.)
- Chemistry (INC) (B.A.)
- Clinical Laboratory Sciences (INL) (B.A.)
- Environmental Science and Policy (INE) (B.A.)
- Geology (ING) (B.A.)
- Mathematics (INM) (B.A.)
- Physics (INP) (B.A.)
- Interdisciplinary Social Science (ISS) (B.A.)
- Interdisciplinary Studies (BIS) (B.I.S.)
- International Studies (INT) (B.A.)
- Italian (ITA) (B.A.)
- Liberal Studies (ALA) (B.A.)
- Mass Communications (COM) (B.A.)

**Advertising (ADV) (B.A.)**
- Broadcast News (NWS) (B.A.)
- Broadcast - Program & Production (PGM) (B.A.)
- Journalism - Magazine (MAG) (B.A.)
- Journalism - News Editorial (JOU) (B.A.)
- Public Relations (PUR) (B.A.)
- Mathematics (MTH) (B.A.)
- Environmental Biology (MEB) (B.A.)
- Environmental Chemistry (MEH) (B.A.)
- Environmental Geology (MEY) (B.A.)
- Mathematics - 5-year program (MBM)
- Medical Technology (MET) (B.S.)
- Microbiology (MIC) (B.S.)
- Philosophy (PHI) (B.A.)
- Physics (PHY) (B.A.)
- Physics (PHS) (B.S.)
- Political Science (POL) (B.A.)
- Psychology (PSY) (B.A.)
- Applied Behavior Analysis (ABA) (B.A.)
- Religious Studies (REL) (B.A.)
- Russian (RUS) (B.A.)
- Social Work (SOK) (B.S.W.)
- Sociology (SOC) (B.A.)
- Spanish (SPA) (B.A.)
- Women’s Studies (WST) (B.A.)

### College of Business Administration (B.A./B.S. option):

- Accounting (ACC)
- Business Economics (ECN)
- Finance (FIN)
- General Business Administration (GBA)
- Management Information Systems (ISM)
- Management (MAN)
- Marketing (MKT)

### College of Education (B.A./B.S. option):

- Business and Office Education (Bbe)
- Distributive and Marketing Education (Dc)
- Early Childhood Education (Ece)
- Elementary Education (Eee)
- English Education (Ben)
- Foreign Language Education (Fle)
- French (FF) (B.A.)
- German (GFS) (B.A.)
- Italian (IFI) (B.A.)
- Russian (FR) (B.A.)
- Spanish (FS) (B.A.)
- Industrial Arts-Technology Education (BIT)
- Mathematics Education (BMA)
- Physical Education (PET)
- Elementary (BPE)
- Secondary (BPS)
- Wellness (BPW)
- Science Education (SCE)
- Biology (BSB)
- Chemistry (BSC)
- Physics (BSY)
- Social Science Education (SSS)
- Special Education
- Behavior Disorders (BBD)
- Mental Retardation (BMR)
- Specific Learning Disabilities (BLD)
- Varying Exceptionalities (5 yr. Program) (BVE)
College of Engineering:
Chemical Engineering (ECH) (B.S.C.H.)
Civil Engineering (EC) (B.S.C.E.)
Environmental (ENV) (B.S.C.E.)
Computer Engineering (ECP) (B.S.C.P.)
Computer Science (ECC) (B.S.C.S.)
Electrical Engineering (EEL) (B.S.E.E.)
Engineering, General (EGU) (B.S.E.)
Engineering Science (EGS) (B.S.E.S.)
Industrial Engineering (EI) (B.S.I.E.)
Information Systems (EIF) (B.S.I.S.)
Mechanical Engineering (EME) (B.S.M.E.)

College of Fine Arts:
Art (ART) (B.A./B.F.A.)
Art History (AHI) (B.A.)
Art Studio (ARS) (B.A.)
Dance (DAN) (B.A./B.F.A.)
Ballet (DAB) (B.A./B.F.A.)
Modern (DAM) (B.A./B.F.A.)
Dance Education (DED) (B.S.)
Music (MUS) (B.M.)
Composition (MUC) (B.M.)
Jazz Composition (MJC) (B.M.)
Jazz Performance (MPJ) (B.M.)
Performance (MPF) (B.M.)
Piano Pedagogy (MPP) (B.M.)
Music Education (MUE) (B.A./B.S.)
General (MEG) (B.A./B.S.)
Instrumental (MEI) (B.A./B.S.)
Voice (MEV) (B.A./B.S.)
Theatre (TAR/TFA) (B.A./B.F.A.)
Arts (TAA) (B.A.)
Design (TAD) (B.A.)
Performance (TAP) (B.A.)

College of Nursing (B.S.):
Nursing (NUR)
Nursing (Registered Nurse) (NRN)

Academic Minor
In addition to major programs, many departments offer an academic minor that requires approximately one-half the upper-level credits required for a major. Students interested in a particular minor should obtain the specific requirements from the appropriate department. The department may require the same admission or retention standards as required for the major.
Each academic minor conforms to the University requirements:
1. A minimum of 8 semester hours of credit used to satisfy the requirements of a minor must be from USF courses.
2. A student desiring a minor must have a major in a different program option.
3. USF coursework for a minor must have a GPA of at least 2.0.
4. Only an undergraduate degree-seeking student at USF is eligible for a minor.
5. A minor can be applied for and received only in conjunction with applying for and receiving a baccalaureate degree except for students who have already received a baccalaureate degree from USF who may earn certification of a minor by taking additional undergraduate coursework at the University and applying for the certification.

USF offers curricula leading to an academic minor in the following fields:

College of Arts and Sciences:
Africana Studies
African Studies
African-American Studies
American Studies
Anthropology
Communication

Communication Sciences and Disorders
Criminology
Economics
English: Creative Writing
English: English and American Literature
English: Professional-Technical Writing
Environmental Science and Policy
French
Geography
Geology
German
Gerontology
Greek
History
Humanities
Interdisciplinary Classical Civilizations
International Studies
Italian
Latin
Linguistics
Manual Communications
Mass Communications
Mathematics
Modern Greek
Philosophy
Physics
Political Science
Psychology
Religious Studies
Russian
Sociology
Spanish
Women's Studies
Women's Studies: Women of Color

College of Business Administration:
Business Economics
Finance
General Business Administration
International Business
Management
Management Information Systems

College of Fine Arts:
Art
Dance
Music
Theatre

Undergraduate Studies:
Student Leadership Development

Student's Choice of Catalog
In order to graduate from USF, each degree-seeking student must meet all of the graduation requirements specified in the USF catalog of his/her choice. A degree-seeking student may choose any USF catalog published during his/her continuous enrollment. Students who have transferred from one Florida public institution to another are affected by the following Board of Regents policy:
Graduation requirements in effect at the receiving SUS institution at the time a student enrolls at a Florida public institution of higher learning shall apply to that student in the same manner that graduation requirements apply to its native students provided the student has had continuous enrollment as defined in the SUS institution's catalog.
At USF, "continuous enrollment" is defined as enrolling as a degree seeking student at least one term each twelve month period. Therefore, students cannot choose a USF catalog published prior to or during an academic year in which they did not maintain continuous enrollment. (Each catalog is considered to be published during the academic year printed on the title page.)
If the student cannot meet all of the graduation requirements specified in the catalog of his or her choice due to decisions and changes by the University in policy matter, course offering, etc., appropriate substitutions will be determined by the chairperson of the department or program of the student's major. USF's policies are subject to change and apply to all students regardless of their choice of catalog. If the student's graduation requirements are affected by changes in University policies, appropriate arrangements will be made to preclude penalization of the student.

**Repeat Course Work**

The hours for a course that has been repeated may be counted only once toward the minimum 120 semester hours of credit (earned hours) required for graduation. All credit hours (except when grade forgiveness is applied) are calculated in the GPA. (See Repeat Course Surcharges.)

**Double Undergraduate Major**

Students may elect to graduate with two majors. In that event, they must apply independently to each college and be assigned an advisor in each discipline. The student must meet all requirements of each major separately and must be certified for graduation by the appropriate dean(s).

**Second Undergraduate Major**

A student who wishes to work for a second major, after receipt of a baccalaureate degree, must apply through the Office of Admissions and meet the major requirements as determined by the college. Exceptions to this rule are students who had been previously accepted for a "Double Undergraduate Major" but graduated with only one major. After acceptance by the appropriate college and proof of completion, the student's "permanent academic record" will be posted accordingly.

*Note that those students who complete the requirements for a second major must be aware that they will not receive a second degree.*

**Two Degrees (USF Students)**

A student at USF may receive two baccalaureate degrees provided he/she meets University graduation requirements for both degrees. In addition to the minimum 120 semester hours that apply toward the first degree and include at least 60 semester hours from a baccalaureate institution, the student must also earn at least a minimum of 30 semester hours in on-campus USF undergraduate courses that will apply toward the second degree. The student must also meet the requirements of the college awarding the degree and the residency requirement.

**Second Baccalaureate Degree (Transfer Students)**

A student already graduated from an accredited four-year institution must earn a minimum of an additional 30 semester hours of USF undergraduate courses to apply toward his/her second baccalaureate degree. Students must also meet the University's regular graduation requirements, including the 9 semester hours of Exit Requirements, as well as the requirements of the college awarding the degree and the residency requirements.

**Availability of a Baccalaureate Degree for Students Enrolled in or Graduated from a Five-Year Master's Program**

A student may enroll in a baccalaureate degree program while enrolled in or after graduation from a five-year master's degree program. In consultation with an advisor in the five-year program and an advisor in the baccalaureate-level program and with the approval of the college dean(s) offering the program(s), the student is required to complete the following:

a. Satisfy degree requirements for the five-year master's program.

b. Satisfy requirements for the baccalaureate-level program.

**B.A. Degree for Medical and Dental Students**

Students who are admitted to a medical or dental school after completing their junior year at USF may be awarded the B.A. degree in Interdisciplinary Natural Sciences from the College of Arts and Sciences (see College of Arts and Sciences).

**Application for Graduation**

In order to graduate, a student must submit an application for the bachelor's degree, graduate degree, or associate of arts certificate to the Office of the Registrar. This application must be submitted in the term of expected graduation by the deadline noted in the academic calendar. If a student applies for graduation and is not approved, a new application for degree must be submitted by the deadline in a new term. In order for the degree statement to appear on a student's academic record, the student must file the aforementioned application whether or not participation in the commencement ceremony is desired.

The application for the bachelor's degree is available from the student's college advising office. The application for a graduate degree is available from the Office of the Registrar or the student's college advising office. The application for an associate of arts degree is available from the Center for Academic Advising in Academic Support and Achievement.

The application must first be certified (signed or stamped in the section, "Office Use Only") by the student's college (Center for Academic Advising for the A.A. certificate). The college retains one copy, and the student must submit the remaining copies to the Office of the Registrar prior to the graduation application deadline. Inquiries concerning approval or denial of graduation should be made to the appropriate college or to the Center for Academic Advising in Academic Support and Achievement.

It is the student's responsibility to clear all "I" grades (incompletes) in courses required for graduation and to provide official transcripts of all transferred course work needed for graduation at least 3 weeks prior to the end of the term in which he/she expects to graduate.

A student applying for a second undergraduate major must do so within the same deadline set for applying for a degree. A student applying for a minor must:

1. File a separate request for certification for the minor in the department of the minor during the semester of graduation;
2. Apply for the minor on the "Application for Degree," listing both the minor and college responsible for the minor on the application; and
3. Have no "I" grade in required courses.

For purposes of honors recognition at the ceremony, students must have a 3.50 GPA before the term in which they plan to graduate to have honors recognized publicly at the commencement ceremony.

**Posthumous Degrees or Degrees in Memoriam**

The University may award a posthumous baccalaureate, master's or doctoral (and medical) degree to a student who was in good standing at the University at the time of his or her death and who had completed all substantive requirements for the degree. The University may also award baccalaureate, master's, doctoral and medical degrees in memoriam to a student who was in good standing at the University at the time of his or her death.

To award a non-thesis degree, the student would need to have completed all courses required for the degree. Courses required for the degree, in which the student is enrolled at the time of his or her death, must have been completed to the satisfaction of the faculty so that passing grades must be posted. All other requirements (e.g., grade point average, CLAST and other tests) must have been satisfied as well.

To award a thesis degree, all courses must be completed as described above and the thesis must be sufficiently complete to satisfy the requirements of the faculty so that certification of completion may be posted to the student's record.
Procedures for Award of Posthumous Degrees or Degrees in Memoriam

The Chairperson of a Department, on his or her own initiative or upon the request of the family of the student, may recommend a posthumous degree, or a degree in memoriam, by forwarding the recommendation to the respective dean of the college. If approved by the Dean, the recommendation with supporting documentation will be forwarded to the Provost for approval. If the Provost approves the recommendation, the Office of the Registrar will be notified and the degree will be awarded at the next commencement ceremony or will be presented to the student's family in an appropriate setting.

Diplomas for posthumous degrees will be identical to other degrees awarded in the same colleges and majors. Diplomas for Degrees in Memoriam will be prepared to read "Bachelor of Arts in Memoriam, Bachelor of Science in Memoriam," Master of Arts in Memoriam," etc., depending upon the degree the student was pursuing at the time of his or her death. Undergraduate students who have not chosen a major at the time of death will be awarded the "Bachelor of Arts in Memoriam."

Honors at Graduation

To be considered for honors at graduation, a baccalaureate candidate must have completed at least 40 credits of graded coursework at USF and have earned a grade point average of 3.50 or higher for all graded coursework attempted at USF. In addition, to be eligible for honors, transfer students and USF students who have postsecondary work elsewhere must have an overall GPA of 3.50 or higher counting all USF courses as well as all transferable work attempted at other institutions. The forgiveness policy at USF or other institutions and plus/minus grades awarded at other institutions will not be applicable in computing the GPA for honors.

Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.50 or above will be received a diploma designation of cum laude (with honor).

Candidates with a USF GPA of 3.70 or higher and an overall GPA of 3.70 or above shall receive a diploma designation of magna cum laude (with high honor).

Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.50 or above shall receive a diploma designation of summa cum laude (with highest honor).

In addition, each dean has the option to select on the basis of exceptional achievement 1% of the college’s graduates or 1 student per semester for graduating with distinction.

NOTE: The GPA is not rounded up when determining honors at graduation (e.g., 3.69 is not the same as 3.70).

Commencement

Commencement ceremonies at USF (Tampa) are held three times a year: Fall, Spring, and Summer.

To receive information regarding the commencement ceremonies, students must submit an application to graduate. Information regarding the ceremony will be mailed to the students during the term in which they should participate. If information is not received, the student should contact the Office of the Registrar. Graduate students (masters, specialists, and doctorates) will not participate in commencement exercises until all requirements for such degrees have been fulfilled.

Certification Requirements

Associate of Arts

Upon the student's successful completion of the minimum requirements for the Associate of Arts Certificate, the University will present the student who has properly made application with an appropriate certificate. 1. To receive the Associate of Arts, the student must complete 60 semester hours of university credit; at least 20 of the last 30 semester hours counted toward the Certificate must be completed in residence at USF; the minimum grade point average must be 2.0 based on work attempted at the USF; in addition, a transfer student must have a GPA of 2.0 or higher when combined with transfer work accepted and evaluated by the USF Office of Admissions; and the General Education Requirements of USF must be satisfied. Physical education and military science credits do not count within the 60 semester hours toward the Associate of Arts. In addition the student must present a score (passing score after August, 1994) on the College-Level Academic Skills Test and fulfill the writing and computation course requirements of 6A-10.030 prior to receiving the Associate of Arts Certificate.

2. Application Procedure for the Associate of Arts Certificate. The Application for an Associate of Arts Certificate can be obtained from the Center for Academic Advising prior to the application deadline. The deadline to apply for a degree/ certificate in each semester is stated in the Academic Calendar in the catalog.

3. The Associate of Arts certificate must be awarded prior to the term that the student becomes eligible for the baccalaureate degree.

4. Final processing for the Associate of Arts will be done after grades are processed at the end of the semester for which the student applied. All work, including transfer work, taken in that semester will be evaluated with respect to the requirements for the Associate of Arts Certificate.

5. Any incomplete grades shown on the permanent record of an Associate of Arts applicant at the time grades are processed will be treated as an F in the calculation of grade point average.

6. The General Education Requirements will be based on the approved University policy in effect in the catalog year the student chooses according to the University policy regarding the choice of catalog. The consideration of whether or not General Education Requirements are met will be made without consideration of the student’s choice of major at the time he/she applies.

7. Residence credit will be broadly defined to include USF sponsored student exchange programs and the University of Florida Correspondence Division. Where the grades from these institutions, except those earned through the University of Florida Correspondence Division, are recorded on the permanent record at USF, and included in the grade point average calculation, they will also be counted in the student’s grade point average as work attempted at USF for the Associate of Arts Certificate.

8. An applicant who has not been enrolled at USF for three semesters may be contacted to ascertain whether or not that applicant meets the residency requirements.

9. In approving any application for the Associate of Arts Certificate, satisfactory/unsatisfactory grades will be accepted according to the approved University policy in effect during the terms of the student’s enrollment without regard for the student’s declared major. Students must be aware that if they have taken any courses on a satisfactory/unsatisfactory basis where such grades are not acceptable by the college of the major, the students may be required to repeat particular courses for a traditional letter grade or take additional courses for a traditional letter grade to meet the college requirements.

10. All USF colleges with undergraduate programs will accept the Associate of Arts from USF. That is, the student will be placed at least, at the junior level and will be considered to have met the University’s General Education Requirements. The applicability of the courses taken by the student toward his/her major program will be determined by the college of the student’s major. Similarly, any special requirements for a student’s professional certification (e.g., Education and Engineering) are not necessarily met by the Associate of Arts certificate, but could be included as part of the General Education Requirements. Thus, students should check with their colleges concerning meeting any special requirements in an efficient manner.
11. The awarding of the Associate of Arts is posted on the permanent record but does not alter the calculation of the grade point average nor does it interrupt the accumulation of the student’s record.

12. Students who follow a baccalaureate degree program as recommended by a college will not necessarily be eligible for the Associate of Arts certificate prior to the completion of 90 semester hours.

**Student Records Policy**

Pursuant to the provisions of the Family Educational Rights and Privacy Act (FERPA); 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 228.093 and 240.237 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:

1. Inspect and review their education records
2. Challenge the accuracy of their education records
4. Report violations of FERPA to the FERPA Office, Department of Education, 400 Madison Avenue, SW, Washington, D.C. 20202 and/or bring actions in Florida Circuit Court for violations of Rule 6C4-2.001, Florida Administrative Code.

5. Copies of the University's student records policy, USF Rule 6C4-2.0021, may be obtained from:

   - University Registrar
   - SVC 1034
   - 4202 Fowler Avenue
   - Tampa, Florida 33620

   - USF Agency Clerk
   - Office of the General Counsel
   - 4202 Fowler Avenue -ADM 254
   - Tampa, Florida 33620

**Release of Student Information**

Pursuant to requirements of the Family Educational Rights and Privacy Act (FERPA), the following types of information, designated by law as “directory information,” may be released via official media of USF (according to USF policy):

- Student name, local and permanent addresses, telephone listing, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, full- and part-time status, and the most recent previous educational agency or institution attended, and other similar information.

The University Directory, published annually by the University, contains only the following information, however: student name, local and permanent address, telephone listing, classification, and major field of study. The Directory and other listings of “directory information” are circulated in the course of University business and, therefore, are accessible to the public, as well as to students, faculty, and staff.

Students must inform the USF Office of the Registrar in writing (forms available for that purpose), if they wish directory information to be withheld. Such requests must be received within the first two (2) weeks of the semester and will remain in effect until the student has not been enrolled at USF for three (3) consecutive terms.

Notification to the University of refusal to permit release of “directory information” via the *University Directory* must be received no later than the end of the first week of classes in the Fall Semester.
ACADEMIC PROGRAMS AND SERVICES

UNIVERSITY OF SOUTH FLORIDA - 2001/2002 UNDERGRADUATE CATALOG

Special Academic Programs

USF/FLORIDA PUBLIC COMMUNITY COLLEGE CROSS ENROLLMENT

Some undergraduate students may find it advantageous to cross enroll at a Florida public community college while attending USF. To prevent problems with financial aid and other registration issues, use a USF college advisor for detailed instructions and course approval. Procedures to permit this type of registration are available during specified times printed in the University Schedule of Classes. Credit hours for the course(s) taken at the host institution will apply toward graduation only if prior approval was received from the student’s USF advisor. The grade point average will not transfer to USF.

TRANIENT STUDENTS

USF degree-seeking students who wish to enroll at another regionally accredited institution MUST HAVE PRIOR WRITTEN APPROVAL from their college academic advisor to receive credit for courses taken. The transient student/cross enrollment form should be used for this purpose.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

USF allows students to receive up to 45 semester hours of credit towards the baccalaureate degree upon successful completion of General and Subject College Level Examination Program (CLEP) and DANTES examinations. Performance levels necessary to achieve credit have been established at a common level for all universities and community colleges in the State system. Credit earned through one examination program may not be duplicated by another examination or course. The following limitations should be recognized:

1) Although the General Examinations are not equated to specific courses, there are two cases in which the content is sufficiently similar to be considered as duplicate credit. Thus, students may not receive duplicate credit for the course and the CLEP test in the following areas:
   - Test Courses
   - English Composition with Essay ENC1101 & ENC 1102
   - Mathematics MAC1105 & MGF1106

2) Credit earned for the Freshman English courses through the CLEP program does not count toward the twelve hour writing requirement for SBE Rule 6A-10.030 ("Gordon Rule");

3) CLEP General/Subject Examinations in mathematics, calculus, college algebra, trigonometry satisfy the mathematics requirement for SBE 6A-10.030.

4) CLEP credit will not satisfy USF’s residency requirement;

5) Credit for the General Natural Science examination will be granted for non-majors only; and

6) Each College at USF has the prerogative to exclude CLEP from the required 48 hours of upper level credit.

Certain General and Subject CLEP Examinations noted in the table below may apply to the General Education Liberal Arts Requirements. Some programs do not award credit toward the degree for certain CLEP examinations, and certain graduate or professional schools such as law, medicine and engineering may not grant equal recognition to students with extensive examination credits. An academic advisor should be consulted to ascertain the applicability of a specific CLEP examination toward a student’s degree requirements and the advisability of taking the examinations in a student’s specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Evaluation & Testing (SVC 2054).

The CLEP General and Subject Examinations are administered on the Tampa Campus during the months of January, April, June, August and October. Testing schedules and application forms are available in the Office of Evaluation & Testing.

<table>
<thead>
<tr>
<th>Examination</th>
<th>USF Course(s)</th>
<th>Cr. Hrs.</th>
<th>Qual. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Gov't</td>
<td>POS 2041</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>U.S. Hist. I **</td>
<td>AMH 2010</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td>U.S. HistII **</td>
<td>AMH 2020</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td>West Civ. I **</td>
<td>EUH2030</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>West Civ. II **</td>
<td>EUH2031</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>Art, Lit.</td>
<td>AML 3031, 3032</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td>Anal. &amp; Interp.</td>
<td>LIT 2000, 2010</td>
<td>6</td>
<td>51</td>
</tr>
<tr>
<td>Eng. Lit.</td>
<td>ENL3273</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td>Coll. Comp. **</td>
<td>ENC 1101, 1102</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td>Business</td>
<td>CGS 2100</td>
<td>3</td>
<td>49</td>
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</tbody>
</table>

CLEP Subject Area Examinations

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>USF Equivalents</th>
<th>Cr. Hrs.</th>
<th>Qual. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td>Elective</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td>Intro. Psych. **</td>
<td>PSY 2012</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td>Hum. Gr. &amp; Dev. **</td>
<td>DEP3103</td>
<td>3</td>
<td>51</td>
</tr>
<tr>
<td>Intro. Soc. **</td>
<td>SYG 2000</td>
<td>3</td>
<td>50</td>
</tr>
</tbody>
</table>

NOTE: Credit is awarded for scores above the 65th percentile. For information regarding discontinued exams not listed, contact Evaluation & Testing at 874-5286.

*Exams may be required for the subject examinations. Please consult Evaluation & Testing at SVC 2054, 874-2472.

**Applicable toward the Liberal Arts Requirement.

ADVANCED PLACEMENT CREDIT PROGRAM

The University participates in the Advanced Placement Program conducted by the College Entrance Examination Board. The Advanced Placement Test is based on specific college level courses that are offered in a number of high schools. Interested students should contact their high school counselors or principals for additional information. Please note: not all colleges will interpret AP test results in the same manner. Consult the table below to ascertain how the University of South Florida interprets AP test results.

<table>
<thead>
<tr>
<th>AP Exam</th>
<th>AP Courses</th>
<th>USF Equivalents</th>
<th>Cr. Hrs.</th>
<th>Qual. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>ARH 2050</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>ARH 2050, ARH 2051</td>
<td>6</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Studio Drawing</td>
<td>ART 2301C</td>
<td>3</td>
<td>3, 4, or 5*</td>
<td></td>
</tr>
<tr>
<td>Art Studio General</td>
<td>ART 2201C</td>
<td>3</td>
<td>3, 4, or 5*</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 2010, BSC 2010L</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM2045</td>
<td>3 or 4**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM2045, CHM2046</td>
<td>6 or 8**</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Computer Sci. A</td>
<td>CGS2060**</td>
<td>3</td>
<td>3, 4, or 5</td>
<td></td>
</tr>
<tr>
<td>Computer Sci. AB</td>
<td>CGS Elective**</td>
<td>3</td>
<td>3, 4, or 5</td>
<td></td>
</tr>
<tr>
<td>English Language</td>
<td>ENC 1101</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

AP Tests and Their Course Equivalents at USF

*Exams may be required for the subject examinations. Please consult Evaluation & Testing at SVC 2054, 874-2472.

**Applicable toward the Liberal Arts Requirement.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101, ENC 1102</td>
<td>English Language</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Literature</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Literature &amp; Composition</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Economics: Macroe.</td>
<td>3</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Economics: Microe.</td>
<td>3</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Environmental Sci.</td>
<td>4</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>FRE 2200</td>
<td>French Language</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>FRE 2200, 2201</td>
<td>French Language</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>FRE 3230</td>
<td>French Language</td>
<td>3</td>
<td>3, 4, or 5</td>
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<tr>
<td>GER 2200</td>
<td>German Language</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>GER 2200, GER 2201</td>
<td>German Language</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Govt. and Politics: Comparative</td>
<td>3</td>
<td>4 or 5</td>
</tr>
<tr>
<td>MUT 1111, 1241</td>
<td>Music Theory</td>
<td>4</td>
<td>4, 5</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>Physics B (Noncalculus)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>PHY 2053, PHY 2054</td>
<td>Physics B (Noncalculus)</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>Physics C (Mechanics)</td>
<td>3</td>
<td>6</td>
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<tr>
<td>PHY 2048, PHY 2049</td>
<td>Physics C (Mechanics)</td>
<td>6</td>
<td>4 or 5</td>
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<td>PHY Elective</td>
<td>Physics C (Elect./Magnet.)</td>
<td>3</td>
<td>3, 4, or 5</td>
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<tr>
<td>PHY Elective</td>
<td>Physics C (Elect./Magnet.)</td>
<td>4</td>
<td>4 or 5</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>Psychology</td>
<td>3</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>SPN 2200</td>
<td>Spanish Language</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SPN 2200, SPN 2201</td>
<td>Spanish Language</td>
<td>6</td>
<td>4 or 5</td>
</tr>
<tr>
<td>SPW 3030</td>
<td>Spanish Literature</td>
<td>3</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>STA 2022</td>
<td>Statistics</td>
<td>3</td>
<td>3, 4, or 5</td>
</tr>
</tbody>
</table>

1. Family income must meet federal and state guidelines.
2. Students must have completed the 8th grade.
3. Students must have a 2.0 grade average in English, mathematics, history, and science.
4. Students must attend schools in Hillsborough County. Applications should be forwarded to the College Reach-Out Program, HMS 497 or 499, USF.

**UPWARD BOUND**

*Location/Phone: HMS 469, (813) 974-2802*

Upward Bound is a pre-college program for students from low-income families who have academic potential but who have inadequate secondary school preparation or have not achieved success in school.

Its purposes are to assist these students in developing goals, improving academic skills, and providing the motivation necessary to achieve success in a college or post-secondary program. To qualify, the applicant must meet the following criteria:

1. Family income must meet federal guidelines.
2. Applicant should be a potential first-generation college student.
3. Student must have completed the 9th grade and be enrolled in the 10th or 11th grade in an accredited high school.
4. GPA must be 2.0 (C) or above in basic pre-college courses.
5. Attend weekly scheduled tutorial sessions.
6. Attend the six-week summer residential component on the USF Tampa Campus.

Applications should be forwarded to Director, Project Upward Bound, USF.

**INDEPENDENT STUDY**

Undergraduate students wishing to take a course by independent study must contact the instructor of the course for permission. The instructor specifies the requirements to be completed by the student including tests, periodic class attendance, term papers, etc.

Not all courses in the University may be taken by independent study. The respective colleges have jurisdiction in the determination of which courses may be taken in this manner.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance. Students taking a course by independent study must register for the specific course section in the regular manner.

**ENROLLMENT IN EVENING COURSES**

Evening courses at USF are part of the regular academic program; they are offered at times convenient to people within commuting distance who wish to continue their education at night while occupied during the day with other responsibilities. Requirements for day and evening courses are the same. See the University Class Schedule for evening registration dates and times.

**COMMUNITY EXPERIENTIAL LEARNING PROGRAM**

*Location/Phone/Email: SOC 346, (813) 974-8452, jones@chuma1cas.usf.edu*

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in the CEL Program anytime during their academic career. Good standing at the University and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally students should plan their CEL projects during the term prior to their
implementation, but they can be added at any time during the term. Information may be obtained from Robin Jones in SOC 346, (813) 974-8452.

STATE UNIVERSITY SYSTEM, EXTERNAL DEGREE PROGRAM

BACHELOR OF INDEPENDENT STUDIES (BIS)

Location/Phone: FAO 285, (813) 974-4059

The Bachelor of Independent Studies Program is available through participating state universities in Florida. The universities currently involved are the Florida International University, Florida State University, the University of Florida, the University of North Florida, and the University of South Florida.

Founded in 1968, the external degree program is for adults who find it difficult to attend regular university classes because of career or family commitments. Except for summer seminars that require periodic, short-term campus residence, the BIS student proceeds at his/her own pace and, for the most part, in his/her own setting. For detailed information, see the College of Arts and Sciences.

STATE UNIVERSITY SYSTEM CORRESPONDENCE COURSES

The University of Florida’s Department of Independent Study by Correspondence administers all correspondence instruction for Florida’s State University System (SUS).

Over 150 college credit, high school credit and continuing professional education courses are available anytime, anywhere through regular mail or fax. In many cases, students also have the option to e-mail their assignments to the instructor.

Enrollment in all courses is possible at any time of the year; however, prior approval of an advisor is needed if a course is to be used toward a diploma or a degree.

For a FREE brochure, please contact: Department of Independent Study, 2209 NW 13th Street, Suite D, Gainesville, FL 32609-3498; (352) 392-1711, ext. 200; or e-mail: Learn@nervm.nerc.ufu.edu. Be sure to check out the home page: http://www.doce.ufl.edu/indstudy.

USF considers independent study by correspondence as resident credit. Grades are not transferable. Exception: grades for courses taken by Cooperative Education students while on a training period are transferred and will be used in computing the USF GPA.

FLORIDA COLLEGE EXCHANGE PROGRAM

Through an exchange agreement, students of USF, with the approval of their advisors, may elect courses at nearby Florida College. Credit for acceptable work may be transferred to USF and counted as elective credit toward graduation. Students from Florida College have a similar transfer arrangement.

Costs for students under these cross enrollment plans are based on credit hours of work taken, and payment is made to the appropriate institution in accordance with its per-hour fee rate.

Florida College students enjoy full privileges of the statewide articulation agreement and of USF transfer student policies, such as academic renewal and full acceptance of the Associate of Arts degree.

THE WASHINGTON CENTER INTERNSHIP PROGRAM

Location/Phone/Email: SOC 346, (813) 974-8452, jones@chuma1.cas.usf.edu

All USF undergraduates seeking to live and learn in the nation’s capital are eligible to apply for the Washington Center Internship Program. Students participate in either the fall, spring or summer semesters and can earn course credit. Study at TWC consists of two major components: (1) working 35 hours per week at your selected internship and, (2) taking one seminar that meets once per week. Opportunities for internships are not limited to government positions, but include a wide array of non-profit organizations.

In conjunction with The Washington Center located in Washington, D.C., students are housed in a conveniently located apartment complex within walking distance to public transportation (the Metro). The Washington Center also provides a student lecture series and a number of special events (e.g., breakfast with Members of Congress, cultural events at the Kennedy Center). The costs of the program vary depending upon date of attendance. Generous scholarships are available.

Applications for the program can be obtained in the Community Initiative, SOC 346. For details on The Washington Center Internship Program, please contact Robin Jones, Faculty Liaison for TWC Internship Program, 4202 East Fowler Avenue, SOC 107, Tampa, FL 33620-8100.

INTERNATIONAL AFFAIRS

Location/Phone: CPR 259, (813) 974-4090
Email: iac@iac.usf.edu
Web site: http://www.usf.edu/~iac/

The International Affairs Center provides leadership, advocacy, development, and support for all central and college-based international activities. The Center works in collaboration with the colleges and regional campuses to promote international education, research, outreach, and service programs. The Center is comprised of the Center for Latin American and Caribbean Studies, the Office of Study Abroad and Exchanges, the Center for Africa and the Diaspora, the Office of International Student and Scholar Services, the English Language Institute, and the USF Linkage Institutes. The Center leads the development of academic program offerings (area studies) and services, international exchanges, partnerships with business, industry, and government both in the U.S. and overseas, and to establish the venues for international activities, and enhance faculty, student and staff training and development.

Study Abroad Programs and Exchanges

Location/Phone: CPR 468, (813) 974-4314

USF maintains cooperating programs for the reciprocal exchange of undergraduate students with various universities in England, Wales, France, Scotland, Australia, Israel, Sweden, Japan, Korea, Russia and Mexico. These exchanges are provided through the International Student Exchange Program (ISEP). Because new schools are continuously added to the ISEP, an updated listing of exchange universities is available from the ISEP office.

It is much less expensive to attend a foreign university on exchange than it would be on one’s own. Costs approximate those at USF. Decisions about covered charges and services are based upon cooperating contractual agreements. There is a deposit of $250.00 for international exchange, which is refunded only if a qualified applicant cannot be placed. While on exchange, students are considered to be enrolled full-time for all purposes including financial aid. Duration of exchange can be a full year or one semester depending on the specific exchange agreement.

A minimum 2.5 (3.0 for some institutions) cumulative GPA is required for exchange. It is recommended, though not required, that students exchange during the sophomore or junior years. Courses taken while on exchange are accepted and entered into the USF record (transcript) and grades earned on exchange are merged into the USF GPA.

While there is no absolute application deadline, students who wish to exchange in the Fall are advised to apply by March 1. Students wishing to exchange in the Spring are advised to apply by September 15. The number of placements is limited, so early application is desirable. The date of application (as well as year in college, scholastic record, etc.) carries considerable weight in situations where demand exceeds supply. The ISEP office maintains a library of materials about the universities cooperating with USF.
USF students may also choose from a wide variety of study abroad programs offered. There are programs that exist in various models. As many as twenty different USF-sponsored programs in Western and Central Europe, the Caribbean, and Central and South America are directed and led by USF Instructors, primarily during the summer. Program deadlines vary, but are generally between 60-90 days before departure. Students must be in good academic standing in order to be eligible. Many USF students find that the shorter-term summer study abroad programs fit within their budget and time constraints and are manageable given employment or other commitments. All programs offer USF course credit, and allow students to meet USF’s summer enrollment requirement. Most programs include a language component, permitting students to earn credits toward USF’s foreign language requirement.

Students wishing a longer, semester length or academic year study abroad experience may select from among dozens of program options available through educational consortia to which USF participates, or they may choose to enroll directly in foreign host institutions for equivalent USF course credit or credit transfer to USF. Year-long language studies for varying lengths of time and program intensity are possible in France, Germany, Spain, and Costa Rica. With prior academic approval, credits can be earned overseas toward USF foreign language requirements as well as other degree program requirements.

USF also offers short-term study tours. These are generally programs of 10 days-3 weeks duration, which combine lectures and carefully planned excursions and site visits. USF academic credit is offered in several disciplines, according to the area of expertise of the faculty study tour leader and instructors. This model provides an introduction to another country and culture, and for many students, is often the springboard for additional study abroad experiences.

Academic disciplines represented in USF study abroad programs include many areas in Arts and Sciences, Science and Environmental Studies, Business Administration, Fine Arts, and Education.

Other institutions within the Florida State University System (SUS) offer programs overseas in which USF students may participate. The common course numbering system used throughout the State allows students to transfer credits earned in an SUS institution’s overseas program with relative ease.

Students planning to study abroad during their academic career should consult with their departmental advisors to determine the course of study they plan to pursue which will allow them to fulfill degree requirements. The USF Study Abroad Office is available to counsel students on opportunities available and also to coordinate with other offices on behalf of students to help make their study abroad possible.

The Study Abroad Office and Overseas Information Center provide information on study abroad, study abroad resources, and advise students how to plan for a successful study abroad experience.

The following “in residence” overseas study programs are administered by USF under the auspices of the Study Abroad Office of the International Affairs Center:

* A six-week summer program in Prague, Czech Republic, offered in conjunction with the Academy of Sciences of the Czech Republic.
* One, two, three months or longer programs in Paris, Tours, and in Aix-En-Provence or Avignon, France. An intensive program in French culture is offered in June or July, which combines lectures, on-site visits and day-long excursions.
* A four-week summer program of Italian language and culture located at Perugia, Italy in conjunction with the Italian University for Foreigners.
* A four-week summer program of Spanish language and culture centered in Madrid, Spain, with a study tour to Barcelona or Andalucia.
* A year-round program in San Jose, Costa Rica in collaboration with the Forester International Institute. This flexible program of Spanish study offers intensive courses from two weeks to three months.

* A summer program in Mexico offered in collaboration with the University of the Americas in Cholula, Mexico. It provides participants with an opportunity to study Spanish language, Mexican culture and to visit many archeological sites.
* A summer program in photography or art history conducted in Paris, France.
* A three-week to six-week summer program in German language and culture in Berlin.
* A four-week summer program in Russian language and culture in Moscow, Russia.
* A two, three, or four-week international summer school program at Cambridge University in England.

And approximately 3 dozen semester and summer academic programs in more than 25 countries available through USF’s membership in the College Consortium for International Studies (CCIS).

In addition to residential programs, USF offers a variety of short-term study-tour programs managed by the Study Abroad Office.

These programs include classroom study on the Tampa campus prior to the travel segment. Recent programs have focused on Africa, the Caribbean, South America, France, Germany, Ireland, and Tahiti/Polynesia.

The programs described in this section are approved study-abroad programs and are available through USF.

A sampling of residential or study-travel programs offered by other universities in the SUS follows:

* Administered by Florida A & M University: study and exchange programs to Haiti, Jamaica and Sri Lanka.
* Administered by Florida Atlantic University: study and exchange programs to Australia, China, Denmark, Finland, Lithuania, Poland, and Russia.
* Administered by Florida International University: study and exchange programs to the Bahamas, the Czech Republic, France, Germany, Mexico, and Sweden.
* Administered by Florida State University: study and exchange programs to Australia, Barbados, Costa Rica, Eastern Europe, Italy, Korea, Switzerland, and England.
* Administered by the University of Central Florida: study and exchange programs to Austria, Canada, Chile, China, Korea, Russia and Switzerland.
* Administered by the University of Florida: study and exchange programs to Denmark, England, Finland, Germany, Greece, Italy, Japan, Mexico, Sweden, Taiwan and Venezuela.
* Administered by the University of North Florida: study and exchange programs to the Czech Republic, England, France and Ireland.
* Administered by the University of West Florida: study and exchange programs to Austria, Canada, Costa Rica, Germany, Israel, Japan, Norway and Taiwan.

Students who plan to participate in study abroad programs should consult their departmental advisors to determine whether the course of study they plan to pursue will be acceptable for meeting degree requirements.

International Student and Scholar Services (ISSS)

Location/Phone: CPR 245, (813) 974-5102

Email: daustell@iac.usf.edu

The University welcomes qualified students from other countries to the campus community. This international exchange leads to the enrichment of life, intellectual development, research and understanding, and exposes students, faculty and staff to cultural and national differences in outlook, experience, and ideas.

ISSS at USF is the main administrative and counseling office for approximately 1600 international students at the University. The ISSS has many administrative duties including the issuance and maintenance of visa documentation for internationals on campus. ISSS staff are experienced in cross-cultural counseling and are able to advise students concerning
immigration, adjustment to life in the U.S., as well as other personal and academic issues. To further assist international students in their adjustment to the U.S., the ISSS provides letters of enrollment and expenses, orientation, tax seminars, immigration workshops, and insurance advising. Students may also contact the ISSS to find information concerning Tampa area activities, transportation and housing, tourist attractions, and Florida driver’s licenses. As the focal point for community service to international students on campus, the ISSS offers students the opportunity to be involved in the Conversational English Program, the American Mentors Program, and numerous social activities (including parties, cultural events, and the International Festival).

The English Language Institute
Location/Phone: CPR 443, (813) 974-3433
E-mail: elemain@luna.cas.usf.edu
Website: http://www.cas.usf.edu/eli/

The English Language Institute in the College of Arts and Sciences offers intensive English as a Second Language (ESL) to non-native speakers of English. Students are given a placement test upon registering for the program. This test determines the proficiency level into which the student is placed, ranging from elementary, low-intermediate, high-intermediate, to advanced pre-university ESL.

Students attend non-credit classes 25 hours a week. The curriculum includes training in listening comprehension, spoken English, grammar, reading, integrated skills, content-based writing, culture, learning strategies, and a host of special short-term elective courses (TOEFL preparation, English for public speaking, etc.) for upper-level students. The Seminar in Academic Skills allows students to attend a regular university class.

The English Language Institute is authorized to issue the Certificate of Eligibility (I-20) to students who require a Student Visa (F-1) and who meet criteria set forth by the United States Immigration and Naturalization Service.

The cost of the program is $2,860.00 per semester, including health fee, activities fee, and a non-refundable $50.00 application fee.

Institute on Black Life
Location/Phone: SVC 1087, (813) 974-4727
Email: ibl@usf.edu

The Institute provides leadership and advocacy for research, program development and community service initiatives that examine and illuminate the contributions of African Americans and other peoples of the African Diaspora as well as problems and issues that affect their lives. The Institute forges multi-disciplinary partnerships among departments and colleges within the University, as well as maintaining collaborative arrangements with community-based organizations. The Institute acts as a clearinghouse for information and activities that focus on African Americans and the world African Community. The Institute also hosts an annual research symposium and develops and sustains a distinguished lecture series that focuses on African American and African history and culture.

Center for Africa and the Diaspora
Location/Phone: SVC 1087, (813) 974-4727

The Center for Africa and the Diaspora is a joint venture of the Institute on Black Life and the International Affairs Center and was formed to consolidate and provide more focus on African issues and activities. The mission of the Center is to promote research and cultural activities through educational, economic, and cultural exchanges between the University of South Florida students, faculty, scholars and the community regarding the political and socio-economic issues facing Africa and the descendents of the African Diaspora.

Academic Services and Support

EDUCATIONAL OUTREACH
Location/Phone: SVC 1072, (813) 974-7984
Facility help line: onlinehelp@outreach.usf.edu,
Web site: http://www.outreach.usf.edu

Educational Outreach extends the University’s academic resources to enable students constrained by time and/or place to meet their educational goals, to promote workforce and economic development through customized training, and to support lifelong learners’ personal and professional growth. More than 37,000 people enroll in the credit and non-credit offerings provided through a variety of delivery systems, formats, and scheduling options through USF’s four campuses and at a variety of off-campus locations, including community colleges, public schools, community centers, libraries and a network of corporate and governmental affiliates. USF has the largest distance learning program in Florida, with more than 12,260 enrollments each year. “Anytime, anywhere” learning models use established technology, such as televisions, VCR’s, and computers supported by internet networks and emerging wireless digital applications to enable individuals to take courses in their homes and workplaces, at times that fit their personal schedules. Visit our website at http://www.outreach.usf.edu for more information.

Educational Outreach supports the teaching and learning process for distance, off-campus and residential instruction. Services are organized around three primary areas of support: faculty, students and classrooms.

Distance Learning Faculty Support helps faculty incorporate a range of instructional technologies to enhance the learning experience of the students. This support involves course production and development assistance for web-based instruction, videoconferencing, streaming, telecourses, enhanced TV, and other models. These applications of technology expand access for students constrained by time and/or place.

Educational Outreach provides additional faculty support through a newly renovated faculty technology center (SVC 036), and through its participation in VITAL (Virtual Instructional Team for the Advancement of Learning). For more information call (813) 974-7984 or visit our website at http://www.outreach.usf.edu.

Distance Learning Course Support provides access to USF’s network center and distance learning infrastructure. For more than 30 years, WUSF-TV (USF’s public television station) and local/regional cable partners have broadcast telecourses, both PBS and locally-produced lecture series, on a variety of subjects. Telecourses, web-based instruction, and the mixed model of teleweb courses demonstrate distance learning’s “any time, any place” opportunities to fit the schedules and educational goals of our students. All four USF campuses have newly installed videoconferencing classrooms, supporting fully interactive classes and facilitating active, collaborative learning in a distributed environment. In conjunction with VITAL organizational partners, Educational Outreach provides faculty support for design, development, and production of courses using computer applications, videoconferencing, multimedia enhancements, Instructional Television Fixed Services (ITFS) network, broadcast video systems, and satellite uplink/downlink capabilities. A faculty help line is available 106 hours a week to assist faculty in using online applications in their teaching. Call (813) 974-8001 or email: onlinehelp@outreach.usf.edu.

Distance Learning Student Support distributes materials to students at off-campus locations, serves as a central information and referral point for distance and off-campus courses, publishes a supplemental schedule each semester of distance and off-campus classes, and maintains a viewing area for telecourses and other offerings with taped sessions for students’ review. Students enrolled in telecourses, teleweb
courses (television-based courses with web components), and other options (previously referred to as Open University), you can access copies of all course syllabi, call a 24-hour hot line for information about test and review session dates and syllabi changes (813/974-3063), and with the instructor’s permission, arrange for make-up exams. Students in certain statewide programs and off-campus courses (formerly PACE) register and pay for their courses directly through this office.

Remote learners are supported through institutional efforts, as well as statewide systems, including the Florida Distance Learner Reference and Referral Center housed at USF; the Virtual Library, with access to web-based resources and an electronic reserve system; and Academic Computing’s provisions for e-mail and computing accounts. Classes offered through Distance Learning are included in the schedule of classes, ACCESS USF: Distance and Off-Campus Learning, a special publication available each semester. To request a catalog or more information, please call (813) 974-2996, send e-mail to: distance@outreach.usf.edu, or visit our web site at http://www.outreach.usf.edu.

Technology in the Classroom Support provides access to standard and all-in-one-of-the-art classroom instructional technology through delivery, set-up, maintenance, and over-the-counter check-out of equipment for faculty and classroom use. This comprehensive service model includes traditional classroom equipment, such as overhead projectors and VCR’s and more recent additions, including computer projection systems, electronic “smart” boards, and digital cameras. Integrated technology systems are being installed in high use classrooms, enhancing the learning environment and facilitating the use of multimedia and technology enhancements in the teaching and learning process. Thirty-eight specially equipped distance learning classrooms support fully interactive videoconferencing environments and more traditional distance learning technologies at all four USF campuses. These technology capabilities enhance USF’s K-12, community college, civic, and corporate partnerships by expanding educational opportunities throughout Florida and beyond.

Educational Outreach represents USF in the Hispanic Educational Technology System (HETS), an 18-institution consortium whose mission is to widen access of Hispanic students to postsecondary education through telecommunications.

Off-Campus Opportunities
Phone: (813) 974-2996
Email: distance@outreach.usf.edu

A wide range of credit courses are offered at off-campus locations, including community colleges, public schools, libraries, and community-based or corporate sites. These courses serve the unique needs of non-traditional students with busy schedules, by making courses available in locations convenient to their homes and workplaces. Concentrated “live” classes offered in intensive formats and an impressive array of evening and weekend classes complement the more traditional schedules of semester-based courses and provide a convenient alternative to distributed learning options for students who prefer group-based models. Organizations and businesses may contract with USF to offer courses on-site. All courses offered in an off-campus location are standard USF courses listed in the Undergraduate or Graduate catalogs and are taught by USF faculty. Students in these programs must meet all USF admissions, academic standing, and graduation requirements. In certain programs, registration and fee payments are made directly to Educational Outreach, and may be made via VISA or MasterCard. Specific details are included each semester in the schedule of distance and off-campus learning classes.

USF Downtown Center
Phone: (813) 905-5858
Fax: (813) 905-5859
Email: downtown@acad.usf.edu
Web site: http://usfweb.usf.edu/downtown

USF’s Downtown Center is located in the Tampa Port Authority’s new headquarters building at 1101 Channelside Drive. The Center has seven classrooms and is equipped with videoconferencing technology for distance learning. There is ample parking and security. Co-location of selected USF programs and services at the Tampa Port Authority will provide increased opportunities for the enhancement of the University’s international curriculum, research, and outreach programs. Access to USF programs and courses will be improved, especially for students who work in the central business district and those who live and work in South Tampa.

Offerings at the USF Downtown Center include the Master of Business Administration (MBA), Master of Public Administration (MPA), MS in Information Systems (MS/MIS), and Master of Health Administration (MHA), as well as a variety of noncredit programs. Find out how easy it is to register for classes by touch-tone phone or web. Call (813) 974-2996 for further information.

The Downtown Center is located at 1101 Channelside Drive just north of the Ice Palace, the Florida Aquarium, and the Port Authority Cruise Terminal. It is easily and quickly accessible from South Tampa, Ybor City, I-275, I-4 and the Lee Roy Selmon Expressway (formerly Crosstown Expressway). In downtown Tampa, follow the signs to the Arena, Aquarium, and Seaport area.

MBA Program
The USF MBA Program offers evening courses at the USF Downtown Center in the Tampa Port Authority Building. Students are able to complete all degree requirements at the Downtown Center. The USF MBA requires between 36-57 credits to complete and is fully accredited by AACSB. For additional information on the program and admission requirements, visit the web site at http://www.coba.usf.edu or call (813) 974-3335. Earn your MBA without leaving downtown Tampa.

M.S. in Management Information Systems
To meet the needs of the marketplace for expertise in both information technology and management, the Information Systems and Decision Sciences department in the College of Business Administration offers a program of study leading to a Master of Science in Management Information Systems (MS/MIS) degree at the USF Downtown Center. Our goal is to develop IT specialists who are attuned to the latest principles, methods and techniques of both technology and management. The MS/MIS program is designed for individuals who are challenged by applications rather than science or technology and who are willing to undertake a career that demands a broad rather than a narrow range of skills. The program requires 32 hours of coursework and may be taken full-time or part-time. For further information, call (813) 974-5524 or visit the website at http://www.coba.usf.edu.

Masters of Public Administration
The Public Administration program offers a multi-disciplinary course of study leading to the Masters of Public Administration (MPA) degree. The MPA is designed to prepare students for successful leadership roles and management careers in the public, i.e. governmental and quasi-governmental (organizations) and nonprofit sectors. The required curriculum is 45-51 credit hours varying according to a student’s prior work experience and exit option chosen. All students must complete a core of nine courses (27 hours) and either four or six courses (12-18 hours) in elective coursework in consultation with an advisor. For additional information please call (813) 974-2150 or visit the website at http://www.cas.usf.edu/pad/index.html.

Masters of Health Administration
The College of Public Health provides coursework, research methods, and field experiences to prepare students in the public health professions for the challenging health prob-
lems facing the State, nation, and other counties. The field of public health is broad and is open to students from diverse academic disciplines including health sciences, education, business, social and natural sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

**B.A. in Interdisciplinary Social Science**

The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

**USF North Pinellas**

**Phone:** (813) 974-2996  
**Email:** distance@outreach.usf.edu  
**Website:** [http://www.outreach.usf.edu](http://www.outreach.usf.edu)

In northern Pinellas County, students now have three locations to attend USF courses. They are Palm Harbor University High School (1900 Omaha St.) and two new sites: St. Petersburg Junior College, Clearwater Campus (2465 Drew St.), and the Harborview Convention Center (300 Cleveland St.) in Clearwater. Courses at Palm Harbor include undergraduate and graduate Elementary Education, the Master of Library and Information Science and Educational Media Certification, and undergraduate Nursing. At St. Petersburg Junior College, Clearwater, USF will offer General Business, Nursing, and Interdisciplinary Social Science majors. A Master of Public Administration class is taught at the Harborview Center. Graduate degree programs in Instructional Technology are offered online in conjunction with St. Petersburg Junior College's CUC (College-University Center) initiative.

**USF at Pasco-Hernando Community College**

**Phone:** (813) 974-2996  
**Website:** [http://www.outreach.usf.edu](http://www.outreach.usf.edu)

USF offers selected degree programs at Pasco-Hernando Community College. These courses are taught by USF faculty on-site or by videoconferencing at the New Port Richey campus of Pasco-Hernando Community College or other convenient locations. Students may choose to pursue one of the following programs:

- **B.A. in Interdisciplinary Social Sciences (General Studies)**
- **B.S. in Nursing**
- **M.A. in Library and Information Science**
- **Ed.D. in Educational Leadership**

For information about a specific degree program please contact the respective college or department of interest:

- **College of Education:** (813) 974-3420  
  **College of Nursing:** (813) 974-9295  
  **Interdisciplinary Social Sciences:** (813) 974-0983  
  **Library and Information Science:** (813) 974-3520

For general information, please call Educaultional Outreach at (813) 974-2996 or see USF's Adult and Transfer Student Services representative during his weekly visit (Wednesday mornings) at Pasco-Hernando Community College's New Port Richey campus. For transfer student information, contact ATSS at (813) 974-6444.

"Anytime, Anyplace" Learning

USF supports "anytime, anyplace" learning through a variety of courses available over the web, broadcast on public and/or cable TV; recorded on videotape and CD-ROM. These on-line courses range from individual offerings that can be used as electives in various majors, to sequences of courses qualifying students for teacher certification or endorsement, such as the ESOL offerings meeting Florida’s requirements for teachers of English as a second language. Courses are added each semester to USF's on-line listings, and are included in the schedule of distance and off-campus courses published by Educational Outreach. Visit our web site at [http://www.outreach.usf.edu](http://www.outreach.usf.edu) for information about these rapidly growing options for USF's students.

For more than 30 years, WUSF-TV (USF's public television station) and local/regional cable outlets, including the Tampa Education Channel and Manatee Educational Television, have broadcast telecourses on a variety of subjects. Supported by Educational Outreach, these courses are available to students at all four USF campuses (Tampa, Lakeland, St. Petersburg and Sarasota) and their surrounding areas. Courses have on-campus sessions or web-based modules for orientation, reviews and student interaction components. Some courses can be used to fulfill liberal arts and/or major requirements and can be used as elective credit for many degree programs. Students should check with their advisors concerning any questions about the applicability of specific courses to their degree programs. Students enrolled in telecourses are allowed to tape the programs during broadcasts, but may review episodes and taped review sessions in the student viewing area provided by Educational Outreach, in SVC 1072. In lieu of watching the courses on television, students may secure tapes from RMI Telecourse Rental for most courses (1-800-745-5480).

Course syllabi are available approximately one week before the start of each semester and may be picked up at SVC 1072. Office hours are 8:00am-7:00pm M-F; however, syllabi are available outside the office and can be picked up later at night and during weekends, whether or not the office is open at the time. Syllabi are also available on the web site at [http://www.outreach.usf.edu](http://www.outreach.usf.edu).

**Non-credit Training and Professional Development**

**Educational Outreach** promotes workforce and economic development through customized training and a wide range of professional and personal development opportunities. Primary programming divisions include Pre-college and Community Outreach, Conferences and Institutes, Lifelong Learning, Mediation Institute, ORBIT (Office of Resources for Business and Industry Training), and Senior Programs.

**Pre-college and Community Outreach**

This unit in Educational Outreach provides educational enhancement programs for children and families in a variety of disciplines. As a component of this unit, Community Music offers quality music instruction throughout the year to children age 3 through young adults, in both private and group settings. The Saturday Visual and Performing Arts Program provides studio based classes to children and youth during the school year and the Summer Camp, Interdisciplinary Arts for Youth Program offers enrichment classes for students age 8-17 each summer on the Tampa campus.

Faculty of the University and professional teacher/artists lead these classes and USF undergraduate/graduate students often serve as teaching assistants and interns. USF classroom/studio facilities and community sites are used for the classes, which helps to extend the resources of the university to the community.

The INTERACT: Youth Arts Coalition, an after school program designed to help youth ages 10-15 years of age strengthen their interpersonal communication skills, is also administered by this unit. This program is free to participants.

A Pre-college Directory describing USF pre-college activities and programs is published annually and can be obtained by contacting USF Pre-college and Community Outreach at 4202 E. Fowler Ave., MHH 166, Tampa, FL 33520-6756, (813) 974-6989.

**Division of Conferences and Institutes**

As a unit of Educational Outreach, the Division of Conferences and Institutes plans and implements continuing education programs such as conferences, seminars, workshops, symposia and institutes for University units and external spon-
sors. The Division provides comprehensive program management services including program development/planning, financial planning and management, promotion, instructional resources, registration, logistics, Continuing Education Units, on-site management, evaluation and certificates.

For additional information about developing programs or learning about upcoming programs, contact the Division of Conferences and Institutes, Educational Outreach, USF, 4202 E. Fowler Avenue, MHH 116, Tampa, FL 33620-6756; (813) 974-5731; fax (813) 974-1459; e-mail laurade@admin.usf.edu.

Division of Lifelong Learning

The Division of Lifelong Learning provides open enrollment continuing education programs for workforce education, professional development, and personal growth. Courses are noncredit and offer instruction in writing and communication skills, foreign languages, computer applications, visual and performing arts, test preparation, and personal development. The Division also offers specialized certificate programs. Various educational programs (workshops, seminars, and short courses) are scheduled throughout the year in conjunction with the colleges and departments of the University. The programs vary in length from one day to one year, and the subject matter is concentrated as needed for the group being served.

The Division of Lifelong Learning also develops programs for workforce development in business and industry, government, professional, civic, and service groups. A variety of instructional methods assures maximum educational effectiveness and encourages individual participation. Distinguished faculty from USF and national and international resource persons serve as consultants, instructors, and facilitators in the programs.

The Continuing Education Unit (CEU) is awarded to participants who successfully complete programs that are sponsored by the Division and approved by the appropriate academic unit. Transcripts indicating awarded CEUs are available on written request.

Professional program coordinators provide program planning, budget preparation and evaluation, and are available to assist organizations, both within the University and in the local community, in developing programs consistent with the needs of the group and the overall educational objectives of the University.

The Florida Center for Writers, a joint project of the Department of English and the Division of Lifelong Learning at USF, was established to foster an appreciation of literature and to help writers of all levels master their craft. The Center sponsors the annual Florida Suncoast Writers’ Conference, ongoing classes in writing, the publication of Sunscripts: Writing from the Florida Suncoast Conference, and various lectures and readings.

For more information, contact the Division of Lifelong Learning, Educational Outreach, University of South Florida, 4202 E. Fowler Avenue, MHH 116, Tampa, FL 33620-6756; (813) 974-5211.

Mediation Institute

The USF Mediation Institute provides Florida Supreme Court approved mediation certification courses in family, circuit civil, and dependency mediation which meet the Florida Supreme Court training requirement for certification as a mediator in each of the respective areas. In addition, the Mediation Institute offers educational programs that incorporate conflict resolution skills in parenting classes for divorcing parents, advanced mediation training, and other specialized activities. For more information, contact the USF Mediation Institute, Educational Outreach, 4202 East Fowler Avenue, MHH 116, Tampa, FL 33620-6756.

ORBIT (Office of Resources for Business & Industry Training)

ORBIT serves as a central information resource to link the business and academic communities in support of economic development initiatives and provides highly customized training programs specializing in database and information technology.

MTEC (Manufacturing, Training, and Education Center), now located at the STAR Center in Pinellas County, offers cost effective certification to the latest international standards, including ISO 9000, ISO 14000 and six-sigma and helps small to medium manufacturers with a product engineering grant program. For additional information, call MTEC at (727) 545-7550 or send an e-mail message to orbit@outreach.usf.edu, or visit the web site at http://www.outreach.usf.edu.

Established in 1998, ORBIT was designed to facilitate access for the corporate sector to the University’s resources for the purpose of specialized incumbent worker development and training. For more information, call (813) 974-2801, send an e-mail message to orbit@outreach.usf.edu, or visit our web site at http://www.outreach.usf.edu.

Senior Programs

The Division of Senior Programs initiates and coordinates programs for adults of retirement age. Many of these programs are planned in conjunction with seniors who play an active volunteer role in facets of the programs listed below:

Senior Citizen Tuition Waiver Program: Florida residents who are 60 years of age or older by the first day of a respective semester may take certain undergraduate or graduate courses on a space available basis without paying tuition. Academic credit is not awarded, examinations are not required, and grades are not given. An orientation-registration is held at the beginning of each semester, and peer advisors are available for advising.

SeniorNet: An international, non-profit organization, SeniorNet is for individuals, age 50 and over, who are interested in learning to use computers. Members who join SeniorNet share and exchange knowledge and interest with others through an online network. Members may take courses taught by senior volunteers with extensive computer experience. Courses and fees are described in information sent to those who request inclusion on the SeniorNet mailing list.

Learning in Retirement Institute: As an affiliate of the Elderhostel Institute Network, the Learning in Retirement Institute builds on the motivations and experiences of adults in retirement as they continue learning, expanding their horizons and enhancing their personal development. Learners develop intellectually stimulating educational programs within an organizational structure that distinguishes the Institute as an educational community of older learners. Learners must be members of the Institute and pay fees for study groups held each semester. Membership, study groups and other LIR event information available to those who request inclusion on the LIR mailing list.

For information on all Senior Programs, or to be placed on our mailing list, contact Division of Senior Programs, USF, 4202 E. Fowler Avenue, MHH 116, Tampa, FL 33620-6756; e-mail leeleav@admin.usf.edu or call (813) 974-2403.

THE USF LIBRARY SYSTEM

Web address: http://www.lib.usf.edu

Tampa Library: (813) 974-2721 (for hours, call 974-2727)

Shimberg Health Sciences Library (Tampa Campus): MDC 1200, (813) 974-2247

Louis de la Parte Florida Mental Health Institute Library (Tampa Campus): MHC 1744, (813) 974-4471

Nelson Poynter Library (St. Petersburg Campus): (727) 553-1123

Jane Bancroft Cook Library (New College/Sarasota Campus): (941) 359-4300

Paul Community College & USF Lakeland Campus Library: (863) 297-1042

All six libraries within the USF Library System contain over 1,500,000 volumes, and the SUS libraries together contain over 10,000,000 volumes of information resources. Books and periodicals are cataloged and arranged on open shelves using the Library of Congress Classification System. Books may be
checked out with renewal privileges; periodicals may not be checked out.

The USF Virtual Library enhances teaching and learning through the delivery of online library resources and services to the dorm, office, or home as well as on-site at any of the USF Libraries. Special features include WebLUIS, the online catalog, an electronic course reserve system, over 1,000 electronic journals, hundreds of databases some of which include additional full-text information, and digitized historical materials such as photographs, documents, and oral histories. Beyond content, there are numerous library services such as interlibrary loan request forms, the ability to renew materials, and reference assistance requests available the Virtual Library at http://www.lib.usf.edu/virtual/

WebLUIS, the online catalog, may be searched by author, title, subject, and keyword to identify the library’s holdings. LUIS contains records for the USF libraries, all ten SUS libraries in Florida and online catalogs worldwide. Workstations located in various USF libraries provide access to the online catalog. Remote access to the same catalog is also possible through any campus workstation linked to the USF network or via dial-in.

Regional Exchange Center (REC) service can obtain materials from other USF campus libraries upon request. Thus, students and faculty have access to resources beyond the on-site collections at each campus. REC forms are available at Interlibrary Services desks.


TAMPALIBRARY

Central to the philosophy of the Tampa Library is the view that the people it serves are equally as important as the books on its shelves. Students are encouraged to become familiar with the collection, to master the techniques of using it, and to achieve a familiarity with information resources that will carry over into later life.

The Tampa Library contains a collection of more than 1,050,000 volumes, 4,900 periodicals and 2,600,000 microforms of all types to support a broad range and depth of faculty and student research as well as personal knowledge and cultural advancement.

Reference Collection: The Reference Collection is located on the first floor of the Tampa Library. Reference librarians assist students and faculty with both electronic and print resources. The Reference Collection consists of over 40,000 volumes including encyclopedias, dictionaries, indexes, and abstracting services. Reference librarians teach information literacy classes to students and faculty in support of teaching and research using state-of-the-art computer labs and class-rooms. Access to electronic information via the Virtual Library includes WebLUIS, the online catalog for USF and the other nine state universities; over 275 databases; full-text material and document delivery services and World Wide Web access.

CALL/USF, the fee-based information service for community users, offers document delivery, and customized research.

Periodicals Collection: The Periodicals Collection is located on the second floor with service provided at the Periodical Information Desk and the Copier Assistance Desk. The collection contains more than 4,900 current periodicals and selected newspapers from Florida and major cities in the U.S. and foreign countries. A large collection of periodicals and newspapers in microfiche and microfilm is also located in the Periodical Information Room. WebLUIS and Internet workstations provide access to full-text databases and electronic journals. Also located here is a fee-based copy service as well as self-service photocopying equipment.

Government Documents: The Library is a selective depository for U.S. and Florida government publications, maintains a U.S. patent and trademark depository, and acquires United Nations committee reports on microfiche. The documents collection, which is housed in the basement of the Library, contains over 2.6 million items, including a wide variety of materials in print, microform, and electronic format. The collection is augmented by the acquisition of selected publications of other public agencies, selected reference tools, and other specialized indexes and finding aids. Assistance with the location and use of government publications is provided at the Documents Information Desk. Visit the Government Documents department's Web site (http://www.lib.usf.edu/virtual/govdocs/) for access to a wide range of online government resources.

Special Collections Department: Located on the fourth floor, this department houses the Library’s rare books, Florida history and other special collections, as well as the University’s archives. Its holdings total over one million items, with rare and unusual materials ranging from 4,000 year-old Sumerian tablets to modern fine printing. In addition to books, Special Collections houses thousands of historical photographs, early maps, sheet music, printed ephemera and oral histories. The department holds a number of major archival collections, including the papers of Florida governors, congressmen and other political leaders, the Research Collection on the Nixon Presidency, and the records of Tampa’s Spanish, Cuban and Italian immigrant mutual aid societies. Also present are the papers and manuscripts of literary figures like Piers Anthony and Dion Boucicaut. The department’s strongest area of emphasis is Florida history, but it also houses notable collections of historical children’s literature, dime novels, early American can schoolbooks, and cigar label art. An increasing number of the department’s photographs and other resources are accessible on-line. Further information is available through the department’s website at http://www.lib.usf.edu/spcoll/.

Access Services (circulation, interlibrary services, reserve): Access Services is located on the first floor. The Reserve collection, containing books and articles are reserved@ at faculty request for use in a particular class is available at the Reserve service desk. Many reserve items are now available on the Electronic Reserve System, which is accessible on the World Wide Web to any USF student. Circulating books that are shelved on the third through fifth floors can be checked out at the circulation service desk on the first floor. The Library uses an automated circulation system that facilitates easy and quick check out of books. Renewals can be done in person, by email or over the World Wide Web. A statement of the library’s circulation policy is available at the Access Services Service desk and on the USF Library’s home page. Interlibrary services can provide materials from other libraries upon request. Thus, students have access to resources beyond the on-site collections at each campus. Forms for requesting materials are located at service desks throughout the Library and on the Library’s home page at http://www.lib.usf.edu.

Library Media Center and Lab: The Library Media Center (LMC) provides media materials for instruction, research, and curriculum support. Videocassettes sound recordings CD-ROMS, DVDs, slides, kits, and other audio-visual formats as well as music scores are available for loan. The LMC Lab provides equipment for individual use of all media in the collection and on reserve. The LMC also houses media supporting distance learning programs, including the Open University. Engineering FEEDS, and Instructional Television Fixed Service (ITFS).

Instructional and Open-Use Labs: The Library supports three state-of-the-art labs of networked workstations. Two labs, located on the second floor, are reserved for library instruction. The third lab, located on the first floor is jointly administered with Academic Computing and Information Technology facilities for word processing, electronic mail, and printing.

ACADEMIC COMPUTING

Web Site: http://www.acomp.usf.edu
Helpdesk Site: http://helpdesk.acomp.usf.edu
Helpdesk phone: (813) 974-1222, Florida toll-free: 1-888-974-1222, email: help-ac@usf.edu, web: http://help.acomp.usf.edu

AC Open-Use Lab: LIB 125, phone: 974-7616
AC Trainers: LIB 616A, phone: 974-3286, email: actrainers@lists.acomp.usf.edu, web: http://training.acomp.usf.edu

Campus Network Information Site: www.net.usf.edu
Dialup Document Web Site: www.acomp.usf.edu/~dialup
Netcast Broadcasting Site: http://www.netcast.usf.edu
Web Email Access: http://mailbox.acomp.usf.edu

Academic Computing provides services in direct support of instruction and research for students and faculty. Faculty at USF can find the resources and support necessary to bring technology into the classroom. Academic Computing administers the servers that are home to the universities major online course systems, CourseInfo and WebCT. For more information see http://scholar.acomp.usf.edu. Additional services include broadcasting of public and academic lectures and forums over USF’s intranet at http://www.netcast.usf.edu.

Student support services are provided through the Academic Computing Help Desk and the Academic Computing open use computer lab. Walk in assistance for computer questions is provided at both locations. All USF students are provided with computing accounts, email and internet access. Registered students receive their automatically generated computing account and password at https://una.acomp.usf.edu. Other services include phone support, on-line help and tutorials, one-on-one chat with Help Desk technicians and training workshops. Employment opportunities for students are available. Check our web site at http://jobs.acomp.usf.edu for information.

Academic Computing offers support and access to compilers for the usual range of applications on a variety of machine across campus. Help is available for numerically intensive applications, the mathematical packages, and certain statistical programming languages.

INFORMATION TECHNOLOGIES/CFRDC

Phone: (813) 974-9000
Web Address: http://usfweb.usf.edu/usft/

USF is the host institution for a large scale computing facility designated as the Central Florida Regional Data Center (CFRDC). This facility operates as a computing utility within the SUS and provides the primary administrative computing support for the University and numerous other agencies. CFRDC is a division within Information Technologies (IT) and its support staff consists of Computer Operations and Technical Support including Database Administration. Computing accounts are established through the IT Financial Management group.

Central site computing equipment located in the Student Services Building on the Tampa campus includes an IBM 9672 Model R32 Enterprise Server supporting tape and disk storage subsystems, laser and impact printers in the OS/390 operating system environment, in addition to several SUN UNIX machines supporting various applications, and numerous NT servers supporting e-mail, web services and calendaring as well as file and print services. CFRDC is heavily involved in the management and operation of the campus-wide Backbone Network providing access to research facilities on campus and the world. It also provides and supports the telephone and voice mail systems at all USF campuses. Microcomputers, printers, and other associated equipment are maintained in “open use” areas on all USF campuses to enable students, faculty, and staff access to the network and central site processing support. These remote open use areas may vary in their scheduled hours of operation, but, generally speaking, each provides significant amounts of access, normally six or seven days a week.

ACADEMIC PROGRAMS AND SERVICES

PUBLIC BROADCASTING

WUSF-TV (Channel 16, Tampa) is a noncommercial member assisted educational television station serving the community of the Tampa Bay region as an important outreach arm of the University. One of the most watched public TV stations in Florida, WUSF-TV provides high-quality educational, instructional, informational, cultural, and public affairs television programming and services. From its new state of the art facility, it serves viewers in the greater Tampa/St. Petersburg/Sarasota areas including Polk, Pasco, and Hernando Counties, as well as USF faculty, staff, students, and other educational agencies. It also provides extensive production services to USF academic and support services units including telecourses, training videos, and DVD projects. The station is a member of the Public Broadcasting Service (PBS), National Educational Telecommunications Association (NETA), Florida Public Broadcasting Service Inc. (FPBS), and the American Public Television Station Inc. (APTS). WUSF-TV is a charter member of the Program Resources Group Inc. (PRG).

WUSF(FM) 89.7MHz (Tampa/St. Petersburg, Sarasota) is a listener supported public radio station that is synonymous with the classical music and NPR brands in the top 25 market of Tampa-St. Petersburg-Clearwater and Sarasota. It is the most listened-to public radio station in the state of Florida. WUSF 89.7 features the NPR signature news programs Morning Edition and All Things Considered; airs 75 hours of classical music each week, nearly 85% of which is locally hosted; airs 45 hours of jazz each week and provides entertaining programs such as Car Talk, A Prairie Home Companion and This American Life. WUSF 89.7 produces The University Beat, a program devoted to showcasing the outreach efforts of the University of South Florida and Gulfcoast Showcase which focuses on the arts community and broadcasts locally recorded concerts from organizations such as the Florida Orchestra and La Musica of Sarasota. Over 3 million people fall within the coverage area which extends north to Crystal River, south to Venice and east to Winter Haven. The station provides production services, studio rental and recording services to the USF community.

The WUSF Radio Reading Service (RRS) airs 24 hours a day on a subcarrier frequency of WUSF 89.7 and on the SAP channel of WUSF-TV Channel 16. The RRS serves blind and disabled people with readings of newspapers and periodicals. More than 200 volunteers read live and record from studios in Tampa and at the Sarasota Opera House. Qualified listeners are able to hear the programming on special receivers loaned to them by the RRS.

OFFICE OF RESEARCH

Location/Phone: ADM 200, (813) 974-5570
Web Address: http://www.research.usf.edu/

Creative research and scholarly activities are essential aspects of the undergraduate educational experience at USF. The promotion and administration of such are the responsibilities of the Office of Research and its divisions, which provide services that enable USF faculty, staff, and students at all academic levels to be competitive in a dynamic research environment. The Office of Research administers both sponsored and non-sponsored activities and projects that include institutional research projects, research contracts and grants, patents and copyrights, federal and state research compliance processing, USF’s own research awards programs, economic development initiatives, public-private partnerships, participation on the local research and development authority, research park development, technology transfer, and research activities at affiliated hospitals and institutes.

From developing a grant proposal to filing a patent to regulating biohazardous materials, the Research staff are trained professionals committed to meeting the needs of USF researchers. In turn, the dedication of USF undergraduate as well as graduate students and faculty researchers has contributed to the phenomenal growth in research that USF has experienced. In 1998/99, USF received more than $161 million
in research funding—quite a feat when compared to the $22 million received just 13 years ago. USF faculty, students, and staff are active in the search for new knowledge and consistently demonstrate their concern about the world in which they live. With the support of private and public agencies, they contribute to our knowledge about the world in which we live and apply their findings and skills to solving many of the problems facing contemporary society. Many contributions evolve from basic research; others, from practical applications of new knowledge. Other projects make specialized training available to public officials, to organizations working for social betterment, to religious and educational institutions, and to business and manufacturing organizations. Through sponsored and non-sponsored activities, USF faculty, students, and staff make significant contributions to the University’s instructional programs. Additional information about services and programs is available on the World Wide Web (http://www.research.usf.edu/).

**LOUIS DE LA PARTE FLORIDA MENTAL HEALTH INSTITUTE**

*Location/Phone: MHC 1101, (813) 974-4602*

The Louis de la Parte Florida Mental Health Institute’s mission is to strengthen services for persons with behavioral health disorders (including mental, addictive and developmental disorders) in the State of Florida through research, training, and education (Florida Statute 240.514).

The Institute’s programs are conducted by four departments: Aging and Mental Health, Child and Family Studies, Community Mental Health, and Mental Health Law and Policy.

The Institute conducts a broad range of applied research, training, and dissemination activities related to the planning, development, delivery, and evaluation of behavioral health services. The Institute’s training and consultation activities are provided for a variety of audiences including behavioral health and health care professionals, the Florida legislature, administrators, policy makers, planners, consumers, students, and the public.

The Institute provides continuing education opportunities for behavioral health and health professionals and is approved to provide continuing education credits for the following professional organizations: American Psychological Association, Florida Department of Professional Regulation, Florida Board of Nursing, and the Certification Board of Addiction Professionals of Florida. The Institute also provides continuing education credits to professional groups such as physicians and attorneys through the following organizations: the USF Continuing Medical Education Office and the Florida Bar Association.

The Institute offers undergraduate and graduate students research assistantships, volunteer and part-time employment opportunities. Students may earn academic credit for independent research performed at the Institute in conjunction with USF courses. Institute faculty teach credit courses in degree-granting programs in cooperation with other USF colleges and offer certificate courses in planning, evaluation and accountability.

The Institute’s pre-doctoral internship program for psychologists is approved by the American Psychological Association. Undergraduate and graduate students participate in the Institute’s Multicultural Mental Health Training Program designed to attract minority students to the mental health field.
MISSION
The School of Architecture and Community Design, founded in 1986, emphasizes architecture and community design proficiency, technical competency, and applied research that constitute thorough preparation for practice, now and into the 21st century. The School seeks to create environments in which students and faculty can:

- Experience and appreciate the poetry of architecture;
- Study the myriad forms of community and human habitat;
- Understand how past designs can inform future possibilities;
- Master the technologies necessary to create a sound, ecological world;
- Develop a vision of what such a world might be;
- And, then assume leadership roles in helping achieve this vision.

Students enrolled in the degree programs, or involved in the School’s research center—Florida Center for Community Design and Research—bring with them diverse educational and professional experiences in a variety of disciplines. Together, they create an ambiance in which varied aspects of design, planning, development, history, culture, economy and the environment are explored as one comprehensive entity within a framework provided by one of the world’s most comprehensive professions: architecture.

The School nurtures students’ creative efforts, intellectual development, and judgment in individual and collective efforts to create the built environment. Students build professional skills and learn to function within a set of ethics consistent with community-based values. In recognition of the university’s unique location in one of the Southeast’s largest and fastest growing metropolitan areas, the School emphasizes urban architecture and related topics in the professional curriculum, as well as elective opportunities that focus on urban issues.

The School is also dedicated to making the public more aware of the importance of the natural, social, and built environment through active public service grounded in excellent education opportunities.

ARCHITECTURE STUDIES FOR UNDERGRADUATES
The School offers graduate degrees and certificates. In some circumstances, undergraduates can enroll in the Master of Architecture program before completing a baccalaureate degree (see below).

Accelerated entry into M. Arch
The School encourages upper level students to enroll in numerous current graduate level courses as electives within their individual majors. The School also offers “ARC 4784 The City” as an approved Exit Course. These courses provide broad awareness and understanding of history, theory and technology associated with the profession’s focus on urban built environments, as well as introductory architectural design and graphic skills. Credits earned in these graduate level courses on a non-degree seeking basis can be applied later toward advanced standing in the USF Master of Architecture curriculum by those students who meet the School’s admission standards.

Bachelor of Arts in Liberal Studies Program
The USF Bachelor of Arts degree in Liberal Studies (Architecture tracks) offers an accelerated entry track into the graduate professional architecture program. Students in this degree program, co-sponsored with the College of Arts and Sciences, begin taking graduate architecture classes as part of the undergraduate courses of study. Successful completion of architecture courses enables students to enter the Master of Architecture program with significant advanced standing.

“2 + 3 1/2” Program (A.A. to M. Arch.)
In exceptional cases, students with associate of arts degrees (or equal) will be conditionally admitted into the Master of Architecture program. (These students must have 60 credit hours of transferable credits and meet the Florida general education reqs.) Students will be fully admitted to the program after three semesters (43 credit hours) provided that they pass a portfolio review and maintain a GPA of at least 3.0. Minimum credit hours total (AA plus MArch) is 172.

RESEARCH AND OTHER ACTIVITIES
Florida Center for Community Design and Research
The Florida Center is a non-profit public service institute of the School of Architecture and Community Design. It was founded in 1986 to assist the citizens of Florida in the creation of more livable and sustainable communities through applied community design, multi-disciplinary research, and public education. The diverse staff includes architecture faculty and students, research scientists, and programmer analysts. In addition, the Center has affiliated faculty or graduate students from the Department of Anthropology, Biology, Fine Arts, Geography, and Social Work.

Lectures/Exhibits: Throughout the year, nationally and internationally known architects, planner, landscape architects, and others participate in the School’s lecture series. The School also exhibits outstanding work of students, alumni/ae, and professionals at galleries at USF and elsewhere in Tampa.

Student Groups: Students at USF have access to a wide range of activities within the School of Architecture and Community Design and elsewhere in the university and community. At the school, one may join the American Institute of Architecture Students (AIAS) and the Architecture College Council. Students participate in a wide range of school governance committees and task forces.

Study Abroad: The School sponsors summer study abroad programs in London, Spain and other locations.

Accreditation and Licensure: Applicants for architectural licensure in Florida, and most jurisdictions in the United States, normally must have:

- earned a professional degree from a School accredited by the National Architectural Accrediting Board (NAAB)
- completed the Intern Development Program (IDP)
- passed the Architect Registration Examination (ARE)

According to the 1998 edition of the NAAB Conditions and Procedures:

“In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognizes two types of degrees: The Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of preprofessional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.”

The Master of Architecture program at USF is fully accredited.
The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essences of education are a capacity for and an appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a sense of love for learning, and an understanding of the means which scholars have used in their search for beauty and order in the natural world.

The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs. The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe.

Great universities provide direction for their communities and service to their needs. The faculty of the Arts and Sciences as well as the staff, who support and encourage their work, explore their scholarly interests within the home and community created by the academic society. It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embraces disciplines that strive to make immediate use of knowledge in the service of social goals as well as disciplines whose discoveries contribute to the fund of basic information which is the stepping stone of applied knowledge.

General Information
The College of Arts and Sciences Dean's Office is located in Cooper Hall (CPR), Room 107. For additional information about the College, visit our web site at http://www.cas.usf.edu. Information regarding advising, admission to the College, graduation requirements, special programs, and department follows.

Community Initiative
Universities have become major actors in today's knowledge based society. As such they can no longer remain secluded ivory towers, removed from the social problems that surround them. Recognizing this, the College of Arts and Sciences has launched the Community Initiative, a new focus that identifies the community outside the university as an integral part of its educational mission to acquire, disseminate, and apply knowledge. The Community Initiative will develop concrete and integrated efforts to link the teaching, research, and service components of our College with the interests and needs of residential, community-based organizations and businesses in the local area. Two major components of the Community Initiative are the Urban Studies Certificate Program and the Community Experiential Learning (CEL) Program. The Urban Studies Certificate gives students the opportunity to supplement their education and training with a focus on the urban world around us. Through the Community Experiential Learning (CEL) Program students can explore the relationship between their classroom learning and the broader community as they do community-based independent research or internships.

CASMAR
To assure that our students' needs are being met in every aspect of their academic careers, the College of Arts and Sciences continues to focus on strategies to aid in increased retention and continued success of our students from orientation through graduation. One such effort is the creation of CASMAR (College of Arts and Sciences Mentor and Retain), a program that uses trained mentors to shadow students and serve as a resource to them in order to assure that they are provided with the proper resources they need. Assistance is offered with academic advising, career development, tutoring and study skills strategies, as well as personal development.

For more information about CASMAR, check the CAS website or call (813) 974-6916 or send an email to casmar@chuma1.cas.usf.edu.

Undergraduate Advising Information
The Arts and Sciences Academic Affairs Office, located in the Social Science Building (SOC), Room 102, handles all student-related academic matters. Students contemplating a major in Arts and Sciences or who have specific questions about a department/major should make an appointment with an advisor in their area of interest. Natural Science and pre-professional majors should consult the Science Advising Center. For a list of advisors, consult "Advising Inquiries" on the College of Arts and Sciences web page http://www.cas.usf.edu.

Advising Offices

  Tampa Campus: College of Arts and Sciences Office of Academic Affairs, Social Science Building (SOC), Room 102, (813) 974-6957.
  Lakeland Campus: Student Services Office (863) 667-7000, or (800) USF-5636 (in-state only).
  Sarasota Campus: Palmer "C" Building (PMC), Room 101, (941) 359-4331/4330.
  St. Petersburg Campus: Davis Hall, Room 134, (727) 553-1511/1507.
  North Pinellas Initiative: USF classes at SPJC Clearwater (for Interdisciplinary Social Science majors), (727) 424-8430 or (813) 974-4673.
  Pasco-Hernando Initiative: USF classes at PHCC (for Interdisciplinary Social Science majors), (727) 424-8431 or (813) 974-9056.

Office Hours
The Arts and Sciences Office of Academic Affairs is open 8 a.m. to 5 p.m. Monday through Friday. Academic advisors and major departments should be contacted directly to obtain information about office hours and appointment availability. Students are also encouraged to utilize the College's on-line advising information located at http://www.cas.usf.edu.

Science Advising Center
The Science Advising Center is located in the Chemistry Building (CHE), room 306, and provides a complete range of advising and informational services to Biology, Chemistry, Geology, Physics, Interdisciplinary Natural Sciences, and Medical Technology majors. In addition, the Center provides a wide range of services to health professions students preparing for admissions to professional schools of medicine, dentistry, veterinary medicine, chiropractic medicine, podiatry, optometry, pharmacy, physician assistant, physical therapy and other health related fields. These services include advising, workshops on application to professional schools, maintenance of evaluation files for professional school applicants, and coordination of health professions student organizations. Center advisors are prepared to assist students with planning their academic programs and with incorporating career enhancement opportunities into their educational experience. The Center maintains a large library of resource materials related to post-baccalaureate degree schools and programs, and to careers in the sciences and health professions. For additional information, call (813) 974-2674 or go to http://www.cas.usf.edu/sac.

Undergraduate Admission to the College of Arts and Sciences
Admission to the College of Arts and Sciences is open to students who have been accepted to the University of South Florida and who declare a major in a particular field. Liberal Studies, Mass Communications, and Social Work are limited access degree programs and have additional requirements listed under "Departments and Programs."
Undergraduate students must submit a formal application for admission into the College. This usually occurs during orientation and advising for new students. This application is also available in the Arts and Sciences’ Office of Academic Affairs (SOC 102) for continuing students. To ensure the best possible degree planning, students need to schedule an appointment with an academic advisor in his/her major field soon after being admitted to the university. Students preparing for a science or mathematics major must plan their courses carefully because of the sequential nature of the science curricula, and students seeking entrance into a professional school or the medical technology internship program require specialized counseling. Therefore, immediate application for admission into the College is strongly recommended.

Information on admission criteria, departments, majors, programs, counseling and other services of the College may be obtained from the Office of Academic Affairs (SOC 102), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620 or visit our web site at http://www.cas.usf.edu.

**General Requirements for B.A./B.S./B.S.W. Degree**

**Within the College of Arts and Sciences**

The College of Arts and Sciences offers three undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Independent Studies is an external degree program in which the student proceeds at his/her own pace.

**IT IS EACH STUDENT’S RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS:**

1. Complete at least 120 accepted semester hours with an overall gpa of 2.00. Mass Communications requires 124 hours for the 1987-88 catalog and after.
2. Maintain an overall major gpa of 2.00. Note: In Mass Communications students must have a 2.500 gpa in major courses in the 1989 catalog or after; Social Work requires a 2.75 major gpa.
3. Complete the Foreign Language Entrance Requirement if entering USF fall semester, 1987 or later. Students pursuing a B.A. degree must complete the Foreign Language Exit Requirement.
4. Students enrolling in a college in January, 1983 or after must satisfy State Rule 6A-10.30 (Gordon Rule) concerning computation and communications. Transfer students who enter the University of South Florida with 60 or more semester hours from a regionally accredited institution are considered to have met the communications requirement of the Gordon Rule.
5. Complete Liberal Arts Requirements (for more information, see section titled “Liberal Arts Requirements.”

**General Education Requirements (36) hours credit:**

- Six (6) hours credit in English Composition
- Six (6) hours credit in Quantitative Methods
- Six (6) hours credit in Natural Sciences
- Six (6) hours credit in Social Sciences
- Six (6) hours credit in Historical Perspectives
- Three (3) hours credit in Fine Arts
- Three (3) hours credit in African, Latin American, Middle Eastern, or Asian Perspectives

**Exit Requirements (9) hours credit:**

- Six (6) hours credit in Major Works and Major Issues
- Three (3) hours credit in Literature and Writing

6. Elective Physical Education is limited to 2 semester hours.
7. ROTC is limited to 9 semester hours.
8. Maximum of 60 hours of S/U option; S/U contracts must be negotiated in writing within the first three (3) weeks of the term. None of the 20 credits may be taken in the student’s major unless S/U is the only grading option. English 1101 or 1102 may not be taken S/U.
9. The Audit option is available only during the first 5 days of classes; none permitted later.
10. Complete at least 9 semester hours during summer terms if entering USF with fewer than 60 semester hours.
11. “D” grades are not acceptable in the major and supporting sciences for all natural sciences majors. “D” grades are not acceptable for the major area in Communication, Communication Sciences and Disorders, English, History, Humanities, Mass Communications, Psychology, Social Work, and Sociology. Only one “D” is allowed in the major for Criminology. (Important! All grades including “D’s” and “F’s” are used to calculate gpa’s for students in the College of Arts and Sciences.)
12. Complete all major course requirements.
13. Complete a minimum of 48 hours of upper-level courses (numbered 3000 or above). Lower-level course work from 2-year or 4-year schools, though, equivalent to a 3000-level course at USF, does not meet this requirement.
14. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement.
15. Biology, Chemistry, Criminology, Economics, English, Interdisciplinary Natural Sciences, Mass Communications, Mathematics, Physics, Political Science, Religious Studies, and Sociology have established minimum major course hours to be taken in residency at USF. See the department section of the catalog for these credit-hour requirements.

Turn in your graduation application to SOC 102 during the 1st to the 4th week of the semester in which you plan to graduate. Applications are not accepted late.

**THE DEPARTMENTAL MINOR**

Minors generally require half as many hours as required for the major. In order to help students develop some concentration in elective work taken in conjunction with their chosen major, the College of Arts and Sciences offers minors in the following: Africana Studies, American Studies, Anthropology, Chemistry, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Foreign Languages, Geography, Geology, Gerontology, History, Humanities, International Studies, Linguistics, Mass Communications, Mathematics, Philosophy, Physics, Political Science, Psychology, Religious Studies, Sociology, and Women’s Studies.

Certain restrictions apply to students earning a minor: (a) students may not use courses in the major for the minor; and (b) ISS majors may not earn a minor in any of the cognate areas incorporated in their contracts. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under “Departments and Programs.”

**Baccalaureate-Level Degree Programs**

The departments and programs in the College of Arts and Sciences include Africana Studies, American Studies, Anthropology, Biology, Chemistry, Classics, Communication,
Communication Sciences and Disorders, Criminology, Economics, English, Environmental Science and Policy, Geography, Geology, Gerontology, History, Humanities, Interdisciplinary Studies, Interdisciplinary Social Sciences, International Studies, Liberal Studies, Mass Communications, Mathematics, Medical Technology, Languages and Linguistics, Philosophy, Physics, Political Science, Psychology, Public Administration, Rehabilitation Counseling, Religious Studies, Social Work, Sociology, and Women's Studies. The College of Arts and Sciences offers 53 major fields of study as described in the following pages. In addition to the departmental majors, interdisciplinary majors are offered. Economics offers two majors, one in the College of Arts and Sciences and the other in the College of Business Administration.

**BACHELOR OF ARTS**

African Studies (AFA)
American Studies (AMS)
Anthropology (ANT)
Biology (NSB*)
Chemistry (CHM) (NSC*)
Classics (CLS) - housed in World Language Education
Communication (SPE)
Communication Sciences and Disorders (CSD)
Deaf Studies Concentration (DST)
Interpreter Training Concentration (ITT)
Speech-Language-Literacy Concentration (LSH)

**BACHELOR OF INDEPENDENT STUDIES (B.I.S.)**

Independent Studies (BIS)

*Offered jointly with the College of Education.

**Honors Programs**

Faculty and selected students in the college participate in the University Honors Program. In addition, the College of Arts and Sciences offers undergraduate honors programs in Anthropology, Biology, Classics, Communication, Communication Sciences and Disorders, English, Geology, Mathematics, Philosophy, Political Science, Psychology, and Sociology. Students interested in one of these honors programs should consult the appropriate department for further information.

**Special Programs**

**COMMUNITY EXPERIENTIAL LEARNING PROGRAM**

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in CEL anytime during their academic career. Good standing at the university and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally, students should plan their CEL projects during the term prior to their immaturation, but they can be added at any time during the term. Information may be obtained from Robin Jones, SOC 346, (813) 974-8452.

**CERTIFICATES OF CONCENTRATION**

**Certificate Programs**

The Certificate of Concentration is a short-term program for students who are interested in taking a series of courses in a selected area of Arts and Sciences, but are not necessarily interested in a degree. A minimum of 16 hours of approved course work are required. Students working for a Certificate of Concentration may register as special or as degree-seeking students.

**CERTIFICATE IN ASIAN STUDIES**

The certificate in Asian Studies is designed for majors in any field who wish to gain a broad knowledge of a world area that is of unique importance.

**Requirements for the Certificate in Asian Studies:**

1. 18 semester hours from the courses listed below.
2. At least two courses must be from Group A and at least two courses must be from Group B. (Other relevant courses may be substituted with the approval of the program advisor.)
3. Students must declare their intention to be awarded the certificate by notifying the program advisor at least one full semester prior to graduation.
4. Students who fail to achieve a cumulative 2.5 GPA or higher in the program will be denied the certificate.

**Courses credited toward the Asian Studies Certificate:***

**Group A**

**Art:**
ARH 4530 (4)
ARH 4796 (4)

**Humanities:**
HUM 3271 (4)  HUM 3273 (4)  HUM 4402 (4)
HUM 4404 (4)  HUM 4405 (4)
**CERTIFICATE IN ITALIAN STUDIES**

The College of Arts and Sciences and the College of Fine Arts offer a certificate in Italian Studies. The history of the geographic expression that today we call Italy is the sum of many particular histories and cultures. Yet, in their diversity and diaspors, the people of Italy have preserved, through time and place, a sense of common identity. For this reason, to understand the complexity of past and present experiences of Italians in the peninsula and of their descendants abroad, the Undergraduate Certificate in Italian Studies is designed with a broad interdisciplinary perspective.

The certificate will encompass courses in several departments in two colleges. The majority of courses will focus on the study of history and culture of the people who inhabit or originated from the Italian peninsula and the islands of Sardinia and Sicily from pre-historic times to the present. In addition, however, offerings will also focus on the Italian diaspora with specific reference to the experiences of people of Italian descent in the many nations in which they settled from the early 19th century to the present.

Students are required to take between 23 and 28 semester hours from a list of courses approved for the certificate. A Faculty Advisory Committee will coordinate the Certificate in Italian Studies. Students may receive credit for courses not included in the above list, or if circumstances require it may substitute a required course with another, by petitioning and if approved by the Advisory Committee.

Study Abroad: Students in the Italian Studies Certificate program are strongly encouraged to study abroad for the summer, a semester or a year in the USF in Italy program or in any other accredited program. The Advisory Committee will determine which courses taken as part of the overseas experience will count toward fulfilling the requirements for the certificate.

The advisors for the Certificate in Italian Studies are: Professor Giovanna Benadusi, 974-3948, benadusi@luna.usf.edu; and Professor Fraser Ottanelli, 974-2807, fraser@chuma.usf.edu.

NOTE: Students may apply a maximum of sixteen credits in the same department toward fulfilling the requirements for the certificate.

### I. Language Requirement:

Students must demonstrate proficiency in Italian or complete two semesters of language courses chosen from the following courses.

- ITA 1120 Beginning Italian I
- ITA 1121 Beginning Italian II

**Group B**

- ITA 2200 Intermediate Italian I
- ITA 2240 Italian Conversation I
- ITA 2241 Italian Conversation II
- ITA 3420 Composition
- LAT 1120 Beginning Latin I

### II. Core Courses:

Each student will take three courses from the following list. However only one course will be allowed from each department.

- ARH 4301 Renaissance Art
- ITW 4100 Survey of Italian Literature I
- ITW 4101 Survey of Italian Literature II
- HIS 3930 Renaissance Society
- HIS 3930 The Italian Diaspora
- HUM 4437 Italian Renaissance Culture

### III. Elective Courses:

Students will take 5-6 credits of elective courses chosen from the following list:

- Anthropology:
  - ANT 4143 European Archeology
  - ANT 4930 Mediterranean Archeology

- Art History:
  - ARH 4796 The Renaissance Book [instructor’s consent]
  - ARH 4318 Venetian Art [instructor’s consent]

- English:
  - LIT 4930 Italian Cinema

- Government and International Affairs:
  - POT 4935 Selected Topics in Political Theory

- History:
  - EUH 3412 Roman Republic
  - EUH 3413 Roman Empire
  - HIS 3930 The Italian Diaspora
  - HIS 3930 The Italian-American Experience
  - HIS 3930 The Rise of Rome
  - HIS 3930 The Punic Wars
  - HIS 3930 The Roman Revolution
  - HIS 3930 Renaissance Society
  - HIS 3930 Women and Men in Early Modern Europe

- Humanities:
  - HUM 4437 Italian Renaissance Culture
  - HUM 4930 Italian Film and Music—Fellini and Rota
  - HUM 4930 Neo-Realism and the New Wave: Post World War II French and Italian Film

- World Language Education:
  - CLA 3123 Roman Civilization
  - CLT 3102 Roman Literature in Translation
  - ITA 1120 Beginning Italian I
  - ITA 1121 Beginning Italian II
  - ITA 2200 Intermediate Italian I
  - ITA 2240 Italian Conversation I
  - ITA 2241 Italian Conversation II
  - ITA 3420 Composition
  - ITA 3470 Overseas Study
  - ITW 4100 Survey of Italian Literature I
  - ITW 4101 Survey of Italian Literature II
  - ITW 4905 Directed Study
  - LAT 1120 Beginning Latin I

- Theatre:
  - THE 4480 The Theatre of Luigi Pirandello
CERTIFICATE IN LATIN AMERICAN AND CARIBBEAN STUDIES

The College of Arts and Sciences offers a Certificate in Latin American and Caribbean Studies for students who wish to gain an intensive multi-disciplinary understanding of this important area. This certificate is designed for students who want to learn more about the region and have that knowledge formally recognized in their academic record.

The Certificate is granted to a person who takes a minimum of 15 semester hours of courses about Latin America and the Caribbean. One course must be taken in each of four areas: 1) Anthropology, 2) Geography/Government & International Studies, 3) History, and 4) Art/Humanities/Literature. A fifth course may be taken from a list of other courses or from one of the four core areas.

Students must also demonstrate proficiency in a Latin American or Caribbean language or have two semesters of relevant foreign language courses.

Study abroad programs are encouraged and will be credited toward the Certificate.

The following courses are a sample of courses offered that fulfill the certificate requirements. However, these should be considered as a partial list only. The student is strongly encouraged to review the Schedule of Classes each semester for current course offerings.

1) Anthropology
ANT 4162 South American Archaeology
ANT 4163 Mesoamerican Archaeology
ANT 4340 The Caribbean
ANT 4324 Mexico and Central America
ANT 4930 Caribbean Popular Culture

2) Geography/Government & International Affairs
CPO 4930 Latin American Politics
CPO 5934 Selected Topics: Latin America
GEO 3300 Geography of Middle America
GEO 3405 Geography of Latin America
GEO 3360 Geography of the Gulf of Mexico
INR 4931 Americas (TV)
INR 4931 Latin America through Film
LAS 3002 Latin America

3) History
AMH 3421 Early Florida
LAH 2020 Latin American Civilization
LAH 2734 Latin American History in Film
LAH 3130 Colonial Latin America
LAH 3200 Modern Latin America
LAH 3430 History of Mexico
LAH 3470 History of the Caribbean
LAH 3930 US/Latin American Relations
HIS 3930 History of Brazil
HIS 3930 Modern Central America
HIS 3930 Revolutions in Latin America
HIS 3930 Andean History
HIS 4936 Latinos in the United States
HUM 4644 Latin American Culture Since 1492

4) Art/Humanities/Literature
ARH 4930 Latin American Art History
SPN 3520 Spanish American Civilization
SPN 5135 Colonial Spanish American Literature
SPN 5525 Modern Spanish American Literature
SPT 2524 Women Writers of Latin America
SPW 3030 Introduction to Hispanic Literature
SPW 4131 Survey of Spanish American Literature
THE 4434 Caribbean Theatre

5) Others
ISS 5934 Seminar Latin American Caribbean and Latino Studies
REL 3375 Issues in Caribbean Religions
SSE 4380 Global & Multicultural Perspectives in Education

When the student has completed the above requirements, the Latin American Studies Advisor will recommend the student for the Certificate.

For information and advice about the certificate program, contact the Latin American and Caribbean Studies Office, CPR 478, or call 974-3547. The program is open to all majors in all colleges.

CERTIFICATE IN MODERN WESTERN EUROPEAN STUDIES

The College of Arts and Sciences offers this certificate through the collaboration of the Departments of English, Geography, History, Humanities and American Studies, Government and International Affairs, Languages & Linguistics, and Philosophy. It is designed for majors in any field who wish to gain a multi-disciplinary understanding of a part of the world that has shaped much of our civilization and holds great significance for Americans in present and future.

The student and the Coordinator will plan the individual course of study, which requires between 21 and 24 semester hours. Students must declare their intention to be awarded the certificate by notifying the Coordinator at least one full semester prior to graduation. A cumulative gpa of 2.5 in the certificate course work is required. Please contact Professor Georg H. Kleine at SOC 274, (813) 974-2688, or by e-mail: kleine@chum11.unl.edu.

1) Language Requirement (6)
Students will enroll in two additional semesters of the foreign language they have taken in fulfillment of the College of Arts and Sciences language requirement.

2) Core Courses (9–10)
Students will take a total of three courses from the following; one of them must be either EUS 3000 or GEA 3500.
EUS 3000 Europe
GEA 3500 Geography of Europe
EUM 3206 History of Twentieth Century Europe
HUM 3251 Studies in Culture: The Twentieth Century
LIT 3144 Modern European Novel
PHM 4331 Modern Political Philosophy

3) Elective Courses (6–8)

A. Overseas Experience
Students should make Western European study and travel an important component of their academic work. They are required to enroll for at least 3 elective credit hours in courses that involve Western European study and travel. These may be taken in one of three ways:
1. as IDS 4955 (Off-Campus Term International Program),
2. * as one or two of the courses listed below as Elective Courses, or
3. * as part of overseas study courses offered by other USF colleges and other universities.

*Elective courses under options (2) and (3) will be chosen in consultation with the Coordinator and an Advisory Committee.

Western European study and travel allows students to concentrate on one of the areas of electives. Students may want to use overseas experience credits to fulfill their summer enrollment requirement.

A structured alternative experience in the United States may be substituted for the Overseas Experience. The Certificate accepts IDS 4943 (Off-Campus Term Special Project) or any of the courses listed below as Elective Courses for credit for this requirement. Coordinator, Advisory Committee and student will tailor the experience to fit the student’s individual needs.

B. English (3)
ENL 3230 British Literature 1616-1780
ENL 3251 British Literature 1780-1900
ENL 3273 British Literature 1900-1945
ENL 3331 Early Shakespeare
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENL 3332</td>
<td>Late Shakespeare</td>
</tr>
<tr>
<td>LIT 3102</td>
<td>Literature of the Western World II</td>
</tr>
<tr>
<td>EUH 3142</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>EUH 3202</td>
<td>History of 17th and 18th Century Europe</td>
</tr>
<tr>
<td>EUH 3205</td>
<td>History of 19th Century Europe</td>
</tr>
<tr>
<td>EUH 3206</td>
<td>History of 20th Century Europe</td>
</tr>
<tr>
<td>EUH 3461</td>
<td>German History to 1870</td>
</tr>
<tr>
<td>EUH 3462</td>
<td>German History 1870 to Present</td>
</tr>
<tr>
<td>EUH 3501</td>
<td>British History to 1688</td>
</tr>
<tr>
<td>EUH 3502</td>
<td>British History 1688 to Present</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>HIS 4900</td>
<td>Directed Reading</td>
</tr>
<tr>
<td>HUM 4437</td>
<td>Italian Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4438</td>
<td>Northern Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4440</td>
<td>Arts and Letters in the 17th and 18th Centuries</td>
</tr>
<tr>
<td>HUM 4442</td>
<td>Arts and Letters of the Romantic Period</td>
</tr>
<tr>
<td>HUM 4444</td>
<td>19th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4445</td>
<td>20th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4905</td>
<td>Directed Study</td>
</tr>
<tr>
<td>HUM 4941</td>
<td>Study on Location</td>
</tr>
<tr>
<td>CPO 4930</td>
<td>Comparative Government and Politics</td>
</tr>
<tr>
<td>INR 3956</td>
<td>Overseas Study</td>
</tr>
<tr>
<td>POS 3931</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>POS 4905</td>
<td>Independent Study</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Theory</td>
</tr>
<tr>
<td>FRE 3230</td>
<td>Reading in French Literature and Culture</td>
</tr>
<tr>
<td>FRE 3440</td>
<td>French for Business</td>
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<tr>
<td>FRE 3500</td>
<td>French Civilization</td>
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<tr>
<td>FRW 4100</td>
<td>Introduction to French Novel</td>
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<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
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<td>FRE 4905</td>
<td>Directed Study</td>
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<td>FRE 4930</td>
<td>Selected Topics</td>
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<tr>
<td>GER 3500</td>
<td>German Civilization</td>
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<td>GET 3010</td>
<td>German Literature in English</td>
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<tr>
<td>GEW 4100</td>
<td>Survey of German Literature I</td>
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<td>GEW 4101</td>
<td>Survey of German Literature II</td>
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<td>Directed Study</td>
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<tr>
<td>GEW 4930</td>
<td>Selected Topics</td>
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<tr>
<td>ITW 4100</td>
<td>Survey of Italian Literature I</td>
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<tr>
<td>ITW 4101</td>
<td>Survey of Italian Literature II</td>
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<td>ITW 4905</td>
<td>Directed Study</td>
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<tr>
<td>SPN 3440</td>
<td>Spanish for Business</td>
</tr>
<tr>
<td>SPN 3441</td>
<td>Advanced Spanish for Business Writing</td>
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<tr>
<td>SPN 3500</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPW 3030</td>
<td>Introduction to Hispanic Literature</td>
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<tr>
<td>SPW 4100</td>
<td>Survey of Spanish Literature I</td>
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<tr>
<td>SPW 4101</td>
<td>Survey of Spanish Literature II</td>
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**C. History**

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<tr>
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<tbody>
<tr>
<td>SPW 4900</td>
<td>Directed Study</td>
</tr>
<tr>
<td>SPW 4930</td>
<td>Selected Topics</td>
</tr>
</tbody>
</table>

**G. Philosophy**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PHH 3420</td>
<td>History of Philosophy</td>
</tr>
<tr>
<td>PHH 4440</td>
<td>Continental Philosophy</td>
</tr>
<tr>
<td>PHM 4331</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
</tr>
<tr>
<td>PHP 4410</td>
<td>Kant</td>
</tr>
<tr>
<td>PHP 4740</td>
<td>The Rationalists</td>
</tr>
<tr>
<td>PHP 4745</td>
<td>The Empiricists</td>
</tr>
</tbody>
</table>

Courses not included in the above list may be included in the program if approved by the Coordinator and an Advisory Committee.

**CERTIFICATE IN RUSSIAN STUDIES**

The College of Arts and Sciences offers a Certificate in Russian Studies for students who wish to gain an intensive multidisciplinary understanding of this important area. A minimum of 23 to 26 semester hours is required of all students seeking such a certificate, and will be distributed in the following manner:

**Language-Linguistics-Literature**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>LIN 4930</td>
<td>Selected Topics in Linguistics*</td>
</tr>
<tr>
<td>RUS 2200</td>
<td>Russian III</td>
</tr>
<tr>
<td>RUS 2201</td>
<td>Russian IV</td>
</tr>
<tr>
<td>RUS 3240</td>
<td>Conversation I</td>
</tr>
<tr>
<td>RUS 3500</td>
<td>Russian Civilization</td>
</tr>
<tr>
<td>RUS 4241</td>
<td>Conversation II</td>
</tr>
<tr>
<td>RUT 3110</td>
<td>Russian Classics in Translation</td>
</tr>
<tr>
<td>RUT 3111</td>
<td>Twentieth Century Russian Literature in Translation</td>
</tr>
<tr>
<td>RUS 2270</td>
<td>Overseas Study</td>
</tr>
<tr>
<td>RUS 3470</td>
<td>Overseas Study</td>
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<td>RUS 4471</td>
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**History-Political Science-Economics**

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<th>Course Code</th>
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<tbody>
<tr>
<td>CPO 2002</td>
<td>Introduction to Comparative Politics</td>
</tr>
<tr>
<td>CPO 4930</td>
<td>Comparative Government and Politics*</td>
</tr>
<tr>
<td>ECO 4323</td>
<td>Radical Political Economy</td>
</tr>
<tr>
<td>ECO 4835</td>
<td>Russian Political Economy</td>
</tr>
<tr>
<td>EHU 3574</td>
<td>Russian History to 1865</td>
</tr>
<tr>
<td>EHU 3576</td>
<td>Russian History from 1865 to Present</td>
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</tbody>
</table>

**International Studies-Geography-Philosophy**

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>EUS 3022</td>
<td>Russia</td>
</tr>
<tr>
<td>GEA 3554</td>
<td>Geography of Russia Eurasia</td>
</tr>
<tr>
<td>INR 5086</td>
<td>Issues in International Relations</td>
</tr>
<tr>
<td>INR 3018</td>
<td>World Ideologies</td>
</tr>
<tr>
<td>INR 3770</td>
<td>Comparative Military Systems</td>
</tr>
<tr>
<td>INR 4800</td>
<td>Directed Readings*</td>
</tr>
<tr>
<td>INR 4910</td>
<td>Directed Research*</td>
</tr>
<tr>
<td>INR 3955</td>
<td>Overseas Study*</td>
</tr>
<tr>
<td>PHP 4788</td>
<td>The Philosophy of Marxism</td>
</tr>
</tbody>
</table>

*When topic is defined as Russian or directly related area.

Other courses may be substituted for those listed above upon approval of the Russian Studies coordinator.

**CERTIFICATE IN URBAN STUDIES**

The Urban Studies Certificate offers students the opportunity to supplement their education and training with a focus on the problems and potentials of the urban world around us.
Eighty percent of Americans live in one of the country’s nearly 400 major metropolitan areas. Understanding the economic, social, cultural, political and spatial phenomena of urban areas, and how they came to be, is essential if one is to thrive in today’s world. The Urban Studies curriculum begins with an interdisciplinary Introduction to Urban Studies and then weaves the multidisciplinary urban offerings into a coherent understanding of urban life. The Urban Studies Coordinator helps each student fashion a curriculum that meets his/her unique intellectual and career needs. The curriculum, through its courses and internship possibilities, focuses on the “real world,” thus providing students with a valuable foundation for their career planning and advancement. With the help of the Urban Studies Coordinator, students can design concentrations in urban planning, urban management, community development, community organizing, etc. The Certificate requires a minimum of 24 credits.

1) Core Courses (9-10 credits)
- URS 3002 Introduction to Urban Studies (3)
- ANT 4442 Urban Life and Culture (3)
- ARC 4784 The City (3)
- ECP 3613 Economics of the Urban Environment (3)
- GEO 3602 Urban Geography (4)
- ISS 3930 Community Studies (3)
- ISS 4152 City and Urbanization (3)
- POS 3142 Introduction to Urban Politics and Government (3)
- SYD 4410 Urban Sociology or Courses may have prerequisites within the discipline. (3)

2) Methods Courses (select 1 of the following: 3-4 credits)
- ANT 4435 Methods in Cultural Research (3)
- ANT 4930 Social Networks (3)
- ECO 4935 Economics Statistics (3)
- POS 3713 Empirical Political Analysis (3)
- STA 2122 Social Science Statistics (3)
- SYA 3300 Research Methods (3)
- SYA 3310 Qualitative Inquiry (3)
- GEO 3164C Quantitative Methods (4)
- GEO 4100C Cartography (4)
- GEO 4114C Geographic Techniques and Methodology (4)
- GEO 4151C Geographic Information Systems (4)
- GEO 3164C Quantitative Methods (4)

Courses may have prerequisites within the discipline. (3)

3) Electives (select 4 from the following list or from the CORE COURSES noted above: minimum of 12 credits)

Africana Studies
- AFA 4331 Social Institutions and the African-American Community (3)
- AMH 3572 African American History since 1865 (3)
- AMS 3700 Racism in American Society (3)
- AFA 4335 Black Women in America (3)
- AFA 4931 Social and Cultural Issues in Black Urban Life (3)
- PUP 3313 Blacks in the American Political Process (3)

Anthropology
- ANT 4316 Ethnic Diversity in the U.S. (3)
- ANT 4462 Health, Illness and Culture (3)
- ANT 4705 Applied Anthropology (3)
- ANT 4930 Special Topics in Anthropology (3)

Communication
- SPC 3712 Communication and Cultural Diversity (3)
- SPC 4714 Communication, Culture and Community (3)

Civil and Environmental Engineering
- CES 4000 Structures and Urban Environments for Non-Engineers (3)

TTE 5501 Transportation Planning and Economics (3)

Criminology
- CCJ 3003 Crime and Justice in America (4)
- CCJ 3024 Survey of the Criminal Justice System (3)
- CCJ 3610 Theories of Criminal Behavior (3)
- CCJ 3621 Patterns of Criminal Behavior (3)
- CCJ 4110 American Law Enforcement Systems (3)
- CCJ 4501 Juvenile Justice System (3)
- CCJ 4511 Police and Juvenile Delinquency (3)
- CCJ 4550 Developmental Aspects of Juvenile Delinquency (3)
- CCJ 4652 Juvenile Substance Use (3)

Economics
- ECO 4323 Radical Political Economy (3)
- ECO 4504 Public Finance (3)
- ECP 3201 Economics of Women and Work (3)
- ECP 3203 Labor Economics (3)
- ECP 3302 Environmental Economics (3)
- ECP 3530 Economics of Health (3)
- ECO 4935 Economics of Crime (3)

Geography
- GEO 4502 Economic Geography (4)
- GEO 4604 Advanced Urban Geography (4)
- GEO 4700 Transportation Geography (4)
- URP 4052 Urban and Regional Planning (4)

Gerontology
- GEY 3606 Community Services for Older Adults (3)

History
- AMH 3423 Modern Florida (4)
- AMH 3500 American Labor History (4)
- AMH 3530 Immigration History (4)
- AMH 3572 African American History since 1865 (3)
- HIS 3930 Special Topics: The City in History (3)
- HIS 3930 Special Topics: The History of St. Petersburg (3)
- HIS 3930 Special Topics: The History of St. Petersburg (3)

Humanities and American Studies
- AMS 3700 Racism in American Society

Interdisciplinary Social Sciences
- ISS 4162 The City and Urbanization (3)
- ISS 4164 Urban Social Issues: An Interdisciplinary Approach (3)

Political Science
- POS 2112 State & Local Government and Politics (3)
- POS 3145 Governing Metropolitan Areas (3)
- POS 4165 Community Leaders and Politics (3)
- POS 3931 Special Topics: Politics of St. Petersburg (3)
- PUP 3313 Blacks in the American Political System (3)
- PUP 4002 Public Policy (3)
- POS 5155 Issues of Urban Government and Politics (3)

Psychology
- SOP 4714C Environmental Psychology (3)

Public Administration
- PAD 3003 Introduction to Public Administration (3)
- PAD 4204 Public Financial Administration (3)
- PAD 5333 Concepts & Issues in Public Planning (3)
- PAD 5807 Administration of Urban Affairs (3)

Social Work
- SOW 3203 The American Social Welfare System (3)

Sociology
- SYO 3120 Sociology of Families (3)
- SYO 3530 Social Stratification (3)
- SYD 3700 Racial and Ethnic Relations (3)
- SYP 4510 Sociological Aspects of Deviance (3)
- SYP 4530 Sociology of Juvenile Delinquency (3)

4) Internships (1 of the following can be substituted as an ELECTIVE)
- CCJ 4940 Internship for Criminal Justice Majors (3)
- HUM 4941 Study on Location (3)
Health Professions

The University of South Florida is an excellent location to prepare for a career in the health professions. The Veterans Administration Hospital, University of South Florida Medical Center, Shriners’ Hospital for Crippled Children, H. Lee Moffitt Cancer Center and Research Institute, University of South Florida Mental Health Institute, and University Community Hospital are within walking distance of the campus and offer students excellent opportunities for observation, research, and experience.

The College of Arts and Sciences offers programs designed to prepare students for admission to professional schools of medicine, osteopathic medicine, chiropractic medicine, dentistry, optometry, podiatry, veterinary medicine, pharmacy, physician assistant, and physical therapy. Most of these professions require four years of preprofessional preparation followed by four years of training in a professional school. A few well-prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of preprofessional work. The preprofessional programs do not meet requirements for a degree; therefore, students must choose a major in addition to fulfilling their pre-professional requirements. Most preprofessional students major in the sciences because of their interests in the health sciences, and because of the considerable overlap between the preprofessional curriculum and the degree requirements for majors in the biology and chemistry departments. Entrance into all professional schools or programs is competitive, and students should begin establishing a record of excellence with the first semester at USF. Furthermore, it is essential that students pursue courses developing a sense of understanding of cultural and humane values as well as basic social problems. Students should also have some clinical and/or volunteer experience related to the medical field.

The College of Arts and Sciences provides academic advising in the Science Advising Center (CHE 306). The office maintains a library of current catalogs and books on admission requirements for professional schools and is an important resource center for preprofessional students. Students considering one of the health professions should contact the College of Arts and Sciences during the first semester at USF to declare their interest in a health professions program. Students are then assigned to the Science Advising Center for curriculum planning. At the time of application to professional schools, students are provided information about admission tests and the application process, and they are assisted in the process of obtaining recommendations. For additional information, go to http://www.cas.usf.edu/sac.

Requirements for Health Professions Schools

These courses prepare students for admission to professional schools of chiropractic medicine, dentistry, medicine, osteopathic medicine, podiatric medicine, optometry, veterinary medicine, and pharmacy. All of these professional schools have in common the following course requirements, which should be completed by the end of the junior year, the usual time of application:

- **Biology**
  - BSC 2010, 2010L Biology I: Cellular Processes (3,1)
  - BSC 2011, 2011L Biology II: Diversity (3,1)

- **Chemistry**
  - CHM 2045, 2045L General Chemistry I (3,1)
  - CHM 2046, 2046L General Chemistry II (3,1)
  - CHM 2210, 2210L Organic Chemistry I (3,2)
  - CHM 2211, 2211L Organic Chemistry II (3,2)

- **Physics**
  - PHY 2053, 2053L General Physics I (3,1)
  - PHY 2054, 2054L General Physics II (3,1)

In addition to these requirements it is generally expected that preprofessional students will complete two semesters of English and mathematics appropriate for their degree. Some schools require calculus and some require one or two courses in biochemistry. CLEP credit usually is not accepted by professional schools, and some schools do not accept AP or IB credits. Students should check with the school of their choice regarding credit.

Specific Requirements for Chiropractic School

In addition to completing the basic preprofessional requirements listed under Requirements for Health Professions Schools, students should check requirements of individual schools, which may include courses such as speech and psychology. Although some chiropractic schools may require only 90 semester hours for admission, the state of Florida requires that students have earned a bachelor’s degree prior to beginning chiropractic studies in order to be licensed.

Specific Requirements for Dental School

Most dental schools require the courses listed under Requirements for Health Professions Schools. The University of Florida and Nova Southeastern have the following required and recommended courses. However, students are encouraged to check with individual schools regarding specific admission requirements.

**Required by University of Florida and strongly recommended by Nova Southeastern:**
- BCH 3023 Introductory Biochemistry (3)

**Strongly Recommended:**
- PCB 5235 Principles of Immunology (3)

**Recommended:**
- Business management
- Speech/communication

Additionally, the University of Florida requires and recommends:

**Required:**
- MBC 3030C General Microbiology (4)
- PCB 3063, 3063L General Genetics (3,1)
- Developmental Psychology

**Strongly Recommended:**
- MAC 2233 OR MAC 2311 Calculus (4)
- STA 2023 Introductory Statistics (4)
- Logic
- Sociology (emphasis on Diversity)

**Recommended:**
- Conversational Spanish
Specific Requirements for Medical School (including Osteopathic and Podiatric schools)

The basic requirements for medical schools are the courses listed under Requirements for Health Professions Schools. In addition, the following courses are required and/or strongly recommended. Students should check individual schools for additional requirements.

Required by Florida State University and University of Florida; recommended by University of Miami
BCH 3023, 3023L Introductory Biochemistry (3, 2)

Required by Florida State University
CHS 4300 Fundamentals of Clinical Chemistry (3)

Strongly recommended by University of South Florida
MAC 2233 Life Sciences Calculus I (4)
or
MAC 2281 Engineering Calculus (4)
or
MAC 2311 Calculus I (4)

Specific Requirements for Optometry Schools

Optometry schools differ somewhat in their admissions requirements. In addition to the common list of courses under Requirements for Health Professions Schools, most schools require the following courses:

Biology
MCB 3030C General Microbiology (4)

Mathematics
MAC 2233 Life Science Calculus I (4)
STA 2023 OR STA 2122 Statistics (4, 3)

Psychology
PSY 2012 Psychology I (3)

Students should check requirements of individual schools and complete requirements for those schools where they plan to apply for admission.

Specific Requirements for Veterinary School

The University of Florida College of Veterinary Medicine is the only veterinary school in the state. Admission into veterinary school is highly selective, and to be competitive students should obtain experience working with animals, preferably through employment with a veterinarian. Pre-veterinary students should complete a degree in the major of their choice while including the above classes and:

Biology
MCB 3030C General Microbiology (4)

Chemistry
BCH 3023 Introductory Biochemistry (3)

Mathematics
STA 2023 Introductory Statistics (4)
MAC 2233 AND MAC 2234 Life Sciences Calculus I and II (4, 4)
or
MAC 2311 Calculus I (4)

In addition, students must have a minimum of 80 hours, including 6 hours of English, 6 hours of social science, and 9 hours of humanities. Students are also required to take two courses in animal science which are offered only at University of Florida (e.g., Introduction to Animal Science and Animal Nutrition). Students usually take these in the summer before beginning veterinary school; these 8 hours can be counted in the 80.

Specific Requirements for Pharmacy School

Most pharmacy schools require a minimum of 60 semester hours and the basic science courses listed under Requirements for Health Professions Schools. In addition, specific courses in microbiology, biochemistry, anatomy and physiology, speech, computer literacy, economics, humanities, and social sciences are required or recommended. Due to the variations in admission requirements among the pharmacy schools, students should check with the school of their choice.

Requirements for Physician Assistant Schools

Physician assistant schools have slightly different requirements from other health profession schools. All physician assistant schools require or strongly recommend the following courses:

Biology
BSC 2093* Human Anatomy and Physiology I (3)
BSC 2094 Human Anatomy and Physiology II (3)
MCB 3030C General Microbiology (4)

Chemistry
CHM 2045, 2045L General Chemistry I (3, 1)
CHM 2046, 2046L General Chemistry II (3, 1)
CHM 2210 Organic Chemistry I (3)
or
BCH 3023 Introductory Biochemistry (3)

*Note: At USF, BSC 2093 and BCH 3023 have prerequisites that are not always required by the physician assistant programs. See the course descriptions for more information.

In addition, Biology I and II (BSC 2010 and 2011) are also required by some physician assistant programs. Many schools require the second semester of organic chemistry, an additional upper-level course in biology, courses in psychology and/or sociology, public speaking (SPC 2600), at least one math course (MAC 1105 and STA 2023 are often recommended), and a course in medical terminology (CLT 3040 or HSC 4933). Students should always check with the schools they are interested in to ensure the completion of all requirements for those schools. Visit the Science Advising Center’s web site (http://www.cas.usf.edu/sac/) for links to the physician assistant schools and their admissions requirements.

Requirements for Physical Therapy Schools

Physical Therapy programs in the State of Florida have the following requirements:

Biology
BSC 2010, 2010L Biology I: Cellular Processes (3, 1)
BSC 2093 Human Anatomy and Physiology I (3)
BSC 2094 Human Anatomy and Physiology II (3)
or
BSC 2010, 2010L Biology I: Cellular Processes (3, 1)
### Requirements for B.A. Degree for Early Admission Students

Early admission to professional school is exceptional with today’s competitive applicant pool; however, a few students may be admitted prior to completion of the bachelor’s degree through special programs such as the University Honors Program.

There are no State Mandated Common Prerequisites for this degree program.

Students planning on early admission should begin studies at a 4-year institution as professional schools require at least 1 year of studies at a university prior to application. Depending upon the professional school, additional science courses may be required or strongly recommended as indicated in the preceding sections. Exposure to a health profession is also strongly recommended.

Students who are admitted to an accredited U.S. medical or dental school after completing their junior year at the University of South Florida may be awarded the B.A. degree in Interdisciplinary Natural Sciences from the College of Arts and Sciences subject to the following conditions:
1. Transfer of a minimum of 30 semester hours of science courses from an accredited medical or dental school.
2. Completion of a minimum of 90 semester hours of credit with a minimum grade point average of 2.0.
3. Completion of the following courses with at least a C- in each course:

- **Biology**
  - BSC 2010, 2010L Biology I: Cellular Processes (3,1)
  - BSC 2011, 2011L Biology II: Diversity (3,1)
  - MCB 3030C General Microbiology (4)

- **Chemistry**
  - CHM 2045, CHM 2045L General Chemistry I (3,1)
  - CHM 2046, CHM 2046L General Chemistry II (3,1)

- **Mathematics**
  - STA 2023 Introductory Statistics (4)

- **Psychology**
  - PSY 2012 Psychology I (3)
  - DEP 2004 Life Cycle (3)
  - or Human Growth & Development course

Students admitted to professional schools of veterinary medicine, optometry, or podiatric medicine prior to completion of their degree may also be able to transfer courses from the professional school and receive their bachelor’s degree. However, approval of the courses to be transferred must be obtained on an individual basis from the College of Arts and Sciences, and in some cases it may be necessary for students to complete more than 90 hours prior to leaving the University of South Florida. For more information, students should see an advisor in the Science Advising Center (CHE 306).

### TEACHER EDUCATION PROGRAMS

The College of Arts and Sciences offers B.A. and M.A. degree programs for secondary school teachers and the M.A. degree for junior college teachers.

### B.A. DEGREE PROGRAM FOR SECONDARY SCHOOL TEACHERS

The College of Arts and Sciences in cooperation with the College of Education offers degree programs in Mathematics, Biology, Chemistry, Physics, English, Foreign Language and Social Science Education. Prospective students should consult the College of Education portion of this catalog under the heading Department of Secondary Education for degree requirements.

### DEPARTMENTS AND PROGRAMS

#### AFRICANA STUDIES (AFA)

African Studies is a liberal arts program offering both a major and a minor. This program provides all students with the opportunity to:
- study the history, culture and lived experiences of people of African descent in the United States, Africa, the Caribbean, and elsewhere;
- study the influence of Africa and people of African descent on world and U.S. thought, culture, and politics;
- study the social construction and consequences of race and racism;
- develop needed critical thinking skills to address the often narrow and Eurocentric bias in the current knowledge base; and
- examine their personal experiences, prejudices, and possible contributions in a multi-racial, multi-cultural society.
Students who major or minor in Africana Studies have the option of emphasizing African-American Studies (including the Caribbean), African Studies, or both. Admission to the Africana Studies major or minor is open to all students who have been duly admitted to the University of South Florida.

Recommended Prerequisites (State Mandated Common Prerequisites)

The department encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

If you transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, you must meet the university’s entering freshmen requirements including ACT or SAT test scores, GPA, and course requirements.

Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

AF A 2000 Introduction to the Black Experience in Africa & its Diaspora 3
AF S 2250 Culture and Society in Africa 3
AMH 3571 African-American History I 3
AMH 3572 African-American History II 3

There are no State Mandated Common Prerequisites for this degree program.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Requirements for the Major in Africana Studies

Beyond the recommended prerequisites, the major in Africana Studies consists of a minimum of 36 hours. Students may choose an area of emphasis in African-American Studies, African Studies, or Africana Studies (both). The requirements for the majors are as follows:

Major Requirements For The B.A. Degree (36 Cr. Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience in Africa &amp; its Diaspora</td>
<td>3</td>
</tr>
<tr>
<td>AFH 3100</td>
<td>African History to 1850</td>
<td>3</td>
</tr>
<tr>
<td>AFR 3200</td>
<td>African History Since 1850</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3571</td>
<td>African-American History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3572</td>
<td>African-American History Since 1865</td>
<td>3</td>
</tr>
</tbody>
</table>

Select Any Seven Courses. Students May Choose To Emphasize African-American Studies, African Studies Or Both. (21 Cr. Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4313</td>
<td>Black English</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4331</td>
<td>Social Institutions and the African American Community</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4335</td>
<td>Black Women in America</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4340</td>
<td>Black Towns and Communities</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4350</td>
<td>African American Community Research</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4400</td>
<td>Middle Passage</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4500</td>
<td>Slavery in the Americas and Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>AF S 4311</td>
<td>The African Diaspora: Blacks in the Contraction of the Americas</td>
<td>3</td>
</tr>
<tr>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4303</td>
<td>Major Works: Zora Neale Hurston</td>
<td>3</td>
</tr>
<tr>
<td>AML 4624</td>
<td>Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>PHM 4120</td>
<td>Major Black Thinkers</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3313</td>
<td>Blacks in the American Political Process</td>
<td>3</td>
</tr>
</tbody>
</table>

HUM 2420 Arts and Music of the African People (3)
AFA 4931 Selected Topics in Africana Studies (1-3)

African Studies (Suggested)

AFA 3153 African Literature Survey (3)
AFA 4150 Africa and the United States (3)
AFA 4313 Black English (3)
AFA 4340 Black Towns and Communities (3)
AFA 4350 African American Community Research (3)
AFA 4400 Middle Passage (3)
AFA 4500 Slavery in the Americas and Caribbean (3)
AFA 4931 Selected Topic in Africana Studies (1-3)
AFS 2250 Culture and Society of Africa (3)
CPO 4204 Government and Politics of Africa (3)
CPO 4244 Government and Politics of East, Central, and Southern Africa (3)
INR 4254 Africa in World Affairs (3)
HUM 2420 Arts and Music of the African People (3)
PHI 4073 African Philosophy (3)

Africana Studies (Suggested)

AFA 3153 African Literature Survey (3)
AFA 4313 Black English (3)
AFA 4331 Social Institutions and the African American Community (3)
AFA 4335 Black Women in America (3)
AFA 4400 Middle Passage (3)
AFS 2250 Culture and Society in Africa (3)
AF S 4311 The African Diaspora: Blacks in the Contraction of the Americas (3)
AML 3604 African American Literature (3)
AML 4624 Black Women Writers (3)
ANT 4340 The Caribbean (3)
CPO 4204 Government and Politics of Africa (3)
CPO 4244 Government and Politics of East, Central, and Southern Africa (3)
HUM 2420 Arts and People of the African People (3)
PHI 4073 African Philosophy (3)
PHM 4120 Major Black Thinkers (3)
PUP 3313 Blacks in the American Political Process (3)
AFA 4931 Selected Topics in Africana Studies (1-3)

Requirements for the Minor in Africana Studies

The minor in Africana Studies requires a minimum of 18 credit hours. As in the major, students may choose an area of emphasis in African-American Studies, African Studies, or Africana Studies (both). The requirements for the minor are as follows:

Minor Requirements (18 Hours) Three Options

African and African Diasporan Studies-Option I

Required Core Classes (9 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Intro To The Black Experience</td>
<td>3</td>
</tr>
<tr>
<td>AFH 3100</td>
<td>African History To 1850</td>
<td>3</td>
</tr>
<tr>
<td>AFR 3200</td>
<td>African History Since 1850</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3571</td>
<td>African-American History To 1865</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3572</td>
<td>Afr-Amer History Since 1865</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Classes (Select 9 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4150</td>
<td>Africa And The United States</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4335</td>
<td>Black Women In America</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4204</td>
<td>Government And Politics Of Africa</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4244</td>
<td>Government And Politics Of East, Central, And Southern Africa</td>
<td>3</td>
</tr>
<tr>
<td>INR 4254</td>
<td>Africa in World Affairs</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3313</td>
<td>Blacks in the American Political Process</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2420</td>
<td>Arts And Music Of The Arican People</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4931</td>
<td>Selected Topics In Africana Studies</td>
<td>1-3</td>
</tr>
</tbody>
</table>

HUM 2420 Arts and Music of the African People (3)
AFA 4931 Selected Topics In Africana Studies (1-3)
African American Studies- Option II

**Required Core Classes (9 Hours)**
- AFA 2000 Introduction to the Black Experience in Africa and its Diaspora (3)
- AMH 3571 African American History to 1865 (3)
- AMH 3572 African American History Since 1865 (3)

**Electives (Select 9 Hours)**
- AFA 4150 Africa and the United States (3)
- AFA 4331 Institutions and the African-American Community (3)
- AFA 4335 Black Women in America (3)
- AFS 4311 The African Diaspora: Blacks in the Contraction of the Americas (3)
- PHM 4120 Major Black Thinkers (3)
- PUP 3313 Blacks in the American Political Process (3)
- HUM 2420 Arts and the Music of the African People (3)

**African Studies-Option III**

**Required Classes (9 Hours)**
- AFH 3100 African History to 1500 (3)
- AFH 3200 African History Since 1500 (3)
- CPO 4204 Government and Politics of Africa (3)
- INR 4254 Africa in World Affairs (3)

**Electives (Select 9 Hours)**
- AFA 4150 Africa and the United States (3)
- CPO 4244 Government and Politics of East, Central, and Southern Africa (3)
- HUM 2420 Arts and Music of the African People (3)
- INR 4254 Africa in World Affairs (3)
- AFA 4931 Selected Topics in Africana Studies (1-3)

- **AMERICAN STUDIES (AMS/HUM)**
  See “Humanities & American Studies.”

- **ANTHROPOLOGY (ANT)**
  Anthropology aims at comprehending people as biological and social beings. It is concerned with all forms of people through time and space. One consequence of this broad-ranging view is the presence within anthropology of four branches: biological anthropology, archaeology, cultural anthropology, and linguistics. Exposure to anthropological information and the cross-cultural perspective produces heightened sensitivity in the student to the world about him/her. This helps the student to adopt an intellectual posture of disciplined skepticism with respect to any scheme that purports to define and account for regularities in human life.

  The Department of Anthropology is concerned with applying anthropological knowledge, theory, method, and perspectives to problems of contemporary society. Illustrative areas of activity include human services needs assessment, program planning and evaluation, public archaeology, social and environmental impact assessment, and public policy analysis.

  In 1986 the department instituted an honors program to provide its best students with an opportunity to engage in a significant academic experience. Outstanding seniors may participate in a year-long course of study and original research in an area of their choosing under the guidance of a faculty mentor.

  Students majoring in other fields may find anthropology coursework an exciting and valuable supplement to their primary academic interest. A minor in anthropology has been developed with this purpose in mind. The minor program is structured to allow the student maximum flexibility in course selection within a broadly defined progression of anthropological concerns. Thus, the student is able to tailor a minor in anthropology to best suit special wants and needs in the context of an overall curriculum.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students wishing to transfer to USF should complete the A.A. degree at the community college. Students should complete two lower level, introductory courses in Anthropology prior to entering the university. If not taken at the community college, they must be completed before the degree is granted. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. A grade of “C” is the minimum acceptable grade. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

**Requirements for the Major in Anthropology**

Beyond the recommended prerequisites listed above, the major in Anthropology consists of a minimum of 36 credit hours. ANT 2000 is prerequisite to all subsequent courses. ANT 3101, ANT 2410, ANT 2511 and ANT 3610 are required as intermediate level training in the main subdivisions of the field. ANT 4034 and ANT 4935 complete the specific requirements. Majors are required to complete a minimum of 15 hours of 4000-level elective coursework, including courses from at least three of the four subfields shown below.

**Required Core Courses**
- ANT 2000 Introduction to Anthropology (3)
- ANT 2410 Cultural Anthropology (3)
- ANT 2511 Biological Anthropology (3)
- ANT 3101 Archaeology (3)
- ANT 3610 Anthropological Linguistics (3)
- ANT 4034 Theories of Culture (3)
- ANT 4935 Rethinking Anthropology (3)

**Archaeology**
- ANT 4142 Old World Archaeology (3)
- ANT 4143 European Archaeology (3)
- ANT 4147 Environmental Archaeology (3)
- ANT 4153 North American Archaeology (3)
- ANT 4158 Florida Archaeology (4)
- ANT 4165 South American Archaeology (3)
- ANT 4163 Mesoamerican Archaeology (3)
- ANT 4172 Historical Archaeology (3)
- ANT 4180 Laboratory Methods in Archaeology (2-4)
- ANT 4181 Museum Methods (4)
- ANT 4183C Archaeological Science (4)
- ANT 4824 Archaeological Field Methods (4-12)

**Biological Anthropology**
- ANT 4520 Forensic Anthropology (3)
- ANT 4586 Prehistoric Human Evolution (3)
- ANT 4587 Human Variation (3)

**Anthropological Linguistics**
- ANT 4620 Language and Culture (3)
- ANT 4750 Language and Social Interaction (3)

**Cultural Anthropology**
- ANT 4231 Folklore (3)
- ANT 4241 Magic and Religion (3)
- ANT 4285 Oral History (3)
- ANT 4302 Gender in Cross-Cultural Perspective (3)
- ANT 4312 North American Indians (3)
- ANT 4316 Ethnic Diversity in the United States (3)
- ANT 4323 Mexico and Central America (3)
- ANT 4340 The Caribbean (3)
- ANT 4390 Visual Anthropology (3)
- ANT 4432 The Individual and Culture (3)
- ANT 4442 Urban Life and Culture (3)
- ANT 4462 Health, illness, and Culture (3)
ANT 4495 Methods in Cultural Research (3)
ANT 4701 Applied Anthropology (3)
URS 3002 Introduction to Urban Studies (3)

Anthropology majors are urged to become competent readers and speakers of a relevant modern foreign language (which may include American Sign Language). They are also urged to enhance their English reading, writing, speaking and critical thinking capabilities and develop their skills in computational, statistical and other forms of quantitative analysis at every opportunity. Students are encouraged to fulfill General Education and Exit requirements with courses relevant to their interests in anthropology whenever possible. In pursuit of all these goals, they should meet with the department’s Undergraduate Advisor at least once each semester to discuss such topics as academic progress, future course plans, Department Honors Program, summer field schools, job opportunities, graduate education and professional careers in anthropology.

Requirements for the Minor in Anthropology
The minor in Anthropology consists of a minimum of 18 credit hours with a “C” average (2.0), distributed among three areas. Students will normally progress through these areas in the order listed below, selecting courses prerequisite or otherwise appropriate to courses desired in subsequent areas. Exceptions to this pattern must be approved by the department’s Undergraduate Advisor. Students are urged to consult with the major and minor student advisors to create the most beneficial specific set of courses.
1. 2000-level required core course (3 cr. hrs.)
   ANT 2000 Introduction to Anthropology
2. Intermediate-level core courses (3-6 cr. hrs.)
   ANT 2410 Cultural Anthropology
   ANT 2511 Biological Anthropology
   ANT 3101 Archaeology
   ANT 3610 Anthropological Linguistics
3. 4000-level elective courses (9-12 cr. hrs.)
   As described above in the listing of elective courses in archaeology, physical anthropology, anthropological linguistics and cultural anthropology.

REQUIREMENTS FOR THE ANTHROPOLOGY HONORS PROGRAM
The purpose of the Honors Program is to provide outstanding Anthropology undergraduates with advanced, individually tailored training in areas of anthropology of interest to them. The program, operating independently of the major itself, involves a year of coursework and research culminating in the writing of an Honors thesis. Students in the second semester of their junior year, prior to completion of 90 semester hours, may apply to the program, which begins in the Fall semester. Admission is competitive, based on the student’s overall academic record (minimal 3.0 GPA overall, 3.5 GPA for USF anthropology course work) and a letter of recommendation from a member of the Department of Anthropology. Successful completion of the program requires maintenance of a 3.0 overall and a 3.5 in the major, completion of ANT 4932 (4) (Honors Seminar) with a grade of “B” or better, completion of ANT 4970 (3) (Honors Thesis) with a grade of “S,” and completion of all other requirements for graduation. See the Anthropology Department Undergraduate Advisor for further information and application forms.

- BACHELOR OF INDEPENDENT STUDIES (BIS)
The Bachelor of Independent Studies (BIS) Program is the State University System External Degree Program. The universities currently involved are Florida International University, Florida State University, the University of Florida, the University of North Florida, and the University of South Florida.

The administrative office for the statewide program is located at USF for Tampa. Founded in 1968, the external degree program is for adults who find it difficult to attend regular university classes because of career or family commitments. The BIS student proceeds at his/her own pace and, for the most part, in his/her own setting. The exception is the summer seminars, which require periodic, short-term campus residence.

Admission Procedures
Applicants must qualify for admission to the University of South Florida and for admission to the B.I.S. Program. The USF Director of Admissions rules on the admission of an applicant to the university. The BIS Committee rules on admission of an applicant to the BIS Program. BIS applicants typically welcome the challenge of liberal studies and the rigor of independent study. BIS students pay regular USF tuition for undergraduate students.

Mechanisms for Recognizing Prior Learning
Individuals with an A.A. degree from a State of Florida community or junior college, and Registered Dental Hygienists, Registered Nuclear Medicine Technologists, Registered Nurses, Registered Radiologic Technologists, and Registered Respiratory Therapists with an A.S. degree from a state-approved program qualify for a “two-plus-two interface” with BIS requirements. In other words, those with an appropriate associate’s degree complete two substantive study areas involving two tutorials and two seminars. The two study areas (Social Sciences & Natural Sciences or Humanities & Social Sciences or Natural Sciences & Humanities) are stipulated by the BIS Committee. The BIS Committee normally picks the two areas in which a student has the least background.

The Program is academically responsible to the Dean of the College of Arts and Sciences. The BIS Committee is advisory to the Provost.

For further information, contact the State University System, External Degree Program, Bachelor of Independent Studies (BIS) located at HAMS 443, University of South Florida, Tampa, Florida 33620-8400. Telephone: 813-974-4058. E-mail: bis@luna.CAS.usf.edu

Recommended Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. There are no State Mandated Common Prerequisites for this degree program.

CURRICULUM
The curriculum consists of four study areas: the Humanities, Natural Sciences, Social Sciences and an Inter-area Study. The first three areas of study are completed through a tutorial and a resident seminar. While the seminar is of short duration, the tutorial for each area requires a longer commitment of time. The student may begin in any of the first three study areas and is encouraged to start in his/her area of strength.

TUTORIALS
The tutorial or guided independent study is predominantly print intensive, with core and suggested readings drawn from the BIS Guide to Independent Studies. In the Humanities tutorial, for example, the student reads across the disciplines of the Humanities Study Area which include Language, Literature, Philosophy, Art, Drama, and Architecture. Selected works are reviewed within the framework of historical periods.
Tutorial objectives include knowledge of the basic principles of each of the genres and periods, the ability to visualize relationships between the disciplines, grasp of the nomenclature of the disciplines, and the capacity to apply basic concepts to current issues. The student is responsible for systematic interaction with the faculty mentor who directs the reading process and evaluates the student's progress.

In the Natural Sciences tutorial, the BIS learner studies Science – Science for the non-scientist. Emphasis is placed on the interrelationships of the disciplines of Science. Topics illustrative of this interdisciplinary approach to Sciences include Mathematics, Physics, Chemistry, Biology, Astronomy, Geology, Ecology, History, and Philosophy of Science, and the impact of Science on Technology. As is the case with other tutorials the learning objectives involve concepts, nomenclature, cross-disciplinary insights, and application of concepts/methods to current issues.

In the Social Sciences tutorial, the student reads selected core and supplementary reading and completes written projects in each of the basic disciplines of the Social Science Study Area. These include Anthropology, Economics, Geography, History, Political Science, Psychology, Women’s Studies, and Sociology. Tutorial objectives include knowledge of the basic concepts and principles of each discipline, familiarity with major social science research techniques, understanding of the relationships among the different disciplines, and the ability to apply disciplinary or interdisciplinary concepts or models to current issues.

Following each tutorial, the student completes a comprehensive examination in order to demonstrate that a satisfactory level of proficiency has been attained in the independent study component of a particular area. The exam may be taken on or off campus. A research paper is also undertaken in each of the tutorials. It is normally done at the end of a tutorial.

SEMINARS

Students are required to attend two-week long seminars on the USF campus. Each seminar (for each of the first three study areas: Humanities, Natural Sciences, and Social Sciences) represents a period of intensive residential learning under the direction of a team of faculty members. Seminar faculty teams identify the subject matter and activities of each seminar. Humanities seminars, for example, are often theme-oriented but the focus is on interdisciplinary concerns. A number of historical periods may be approached through discussion of art, music, literature, and architecture. In a Natural Sciences seminar, the focus is on an interdisciplinary approach to learning about Science. Social Sciences seminar faculty focus on the knowledge gained in the tutorial with an emphasis on synthesis, extension, and application of this learning to selected topics such as energy, patterns of human behavior, and human rights.

Seminar activities also vary with the study area. A visit to a museum or art gallery is a usual component of a Humanities Seminar. In Science, laboratory experiences and field trips are utilized to introduce students to the field of Science and to allow them to experience the excitement of discovery. Many of the activities described in a Social Sciences seminar syllabus are used in other seminars as well, i.e., lectures by faculty team members or guest lecturers, presentations by group members, group discussion, library research, learning journals, and a research paper.

Students in all seminars may be asked to read materials related to the seminar theme prior to the seminar and to complete written assignments after the completion of the two-week seminar period. Seminars meet for two consecutive six-day periods and activities take up a full day. Further study and assignments occupy the evening hours.

UNDERGRADUATE THESIS

The fourth year study or Inter-area Study calls for a synthesis of the first three study areas via the preparation and defense of an undergraduate thesis. The student begins the Area with Inter-area reading leading to the completion of an undergraduate thesis prospectus under the direction of a primary advisor. Following approval of the prospectus by a committee composed of three faculty, the student writes the study under the direction of the committee chairperson. The final step is to complete successfully an oral examination on the thesis.

• BIOLOGY (BIO/MIC)

Two specific Bachelor of Science degrees, Biology and Microbiology, are available for students interested in the biological sciences. The B.S. in Biology allows students to concentrate in such areas as Ecology, Cell & Molecular Biology, Physiology, and Marine Biology. The degree is preparatory for careers in such areas as teaching, agriculture, medicine, dentistry, conservation, and biotechnology, or for post-baccalaureate study in the various life sciences. The B.S. in Microbiology provides students with the broad range of courses necessary to qualify for certification by the National Registry of Microbiologists, American Society of Microbiology, and employment in microbiology and related fields.

In addition to a set of courses in biology, students must have a thorough preparation in other areas of natural sciences to be competitive for jobs or for further study beyond the baccalaureate. A modern biology curriculum is built on a foundation of mathematics, chemistry and physics. Students should study the requirements listed below and then make maximum use of the vigorous advising program maintained by the Department in structuring their programs. See the Undergraduate Program Assistant for further details of advising.

Requirements for the Biology B.S. Major (BIO)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab) Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC 1011/1011L Introduction to Biology II-Diversity (with lab) Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM 1045/1045L General Chemistry I (with lab) Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 1046/1046L General Chemistry II (with lab) Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 2210/2210L Organic Chemistry I (with lab) Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 2211/2211L Organic Chemistry II (with lab) Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
MACX311 Calculus I Acceptable substitutes: MAC 2233, MAC 2253, MAC X281
MACX312 Calculus II Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2234, 2254, 3282

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.
Upper-level Courses for the Major
1. Department of Biology Courses - minimum 40 credit hours
   a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
   b. PCB 3023, PCB 3043, and PCB 3063
   c. ONE of the following: PCB 3023L, PCB 3043L, or PCB 3063L
   d. ONE of the following (with laboratory): BOT 3373C, MCB 3030C, ZOO 3205C, ZOO 3713C, ZOO 4630C, or ZOO 4753C
   e. ONE of the following (with laboratory): MCB 4404, or PCB 4723

2. Supporting Courses in the Natural Sciences - minimum 32 credit hours
   a. CHM 2045, CHM 2045L, CHM 2046, and CHM 2046L
   b. CHM 2210, CHM 2210L, CHM 2211L, and CHM 2211L
   c. MAC 2233 and MAC 2234
   d. PHY 2048, or PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L

3. Liberal Arts Courses - minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.

Requirements for the Microbiology B.S. Major (MIC)

Prerequisites (State Mandated Common Prerequisites)
Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
   Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
   Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM 1045/1045L General Chemistry I (with lab)
CHM 1046/1046L General Chemistry II (with lab)
CHM 2210/2210L Organic Chemistry I (with lab)
   Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 2211/2211L Organic Chemistry II (with lab)
   Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
MACX311 Calculus I
   Acceptable substitutes: MAC 2233, MAC 2253, MAC X281

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Upper-level Courses required for the Microbiology B.S. Major
1. Department of Biology Courses - minimum 42 credit hours
   a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
   b. PCB 3023, PCB 3023L, PCB 3043, and PCB 3063
   c. MCB 3030C, MCB 4115, MCB 4404, and MCB 4404L
   d. Ten (10) hours from the following list: BOT 4434, CHM 4502, MCB 4910, MCB 4934, MCB 5206, MCB 5600, MCB 5815, PCB 5235, ZOO 5235, BCH 3023L
   e. A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) or Biology Honors Thesis (BSC 4970) may be applied.
   f. A minimum of twenty (20) hours of Biology courses must be taken in residency and be applicable to the major.

2. Supporting Courses in the Natural Sciences - minimum 35 credit hours
   a. CHM 2045, CHM 2045L, CHM 2046, and CHM 2046L
   b. CHM 2210, CHM 2210L, CHM 2211L, and CHM 2211L
   c. MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR MAC 2311 and MAC 2312 OR MAC 2233 and STA 2023
   d. PHY 2048, PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L
   e. BCH 3023

3. Liberal Arts Courses - minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.

MINIMUM GRADE FOR MAJORS
A student must receive a "C" grade or better in all Department of Biology courses and Supporting Courses in the Natural Sciences, except if they are used as Free Elective courses. This specification applies to both USF and transfer courses. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

BIOLOGY HONORS PROGRAM
The Honors Program has been placed on inactive status. This program is to be reinstated at a later date.

• CHEMISTRY (CHS/CHM)
The Department of Chemistry awards two degrees at the baccalaureate level, the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry, and three degrees at the graduate level, a non-thesis Master of Arts, the Master of Science and the Doctor of Philosophy. Each of the graduate degrees offers specialization in the areas of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry. In addition, a Master of Arts degree is offered as part of a carefully integrated accelerated B.A.-M.A. program. The chemistry faculty is comprised of 24 full-time members all of whom hold the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study which can be tailored to fit individual needs while maintaining a sound background in all general aspects of chemistry.

Majors in chemistry are well-prepared to enter a wide range of chemical careers as well as many interdisciplinary activities that are the hallmark of modern science and technology. These include teaching and research in academic, government and private settings, bio-medical research and clinical practice, environmental activities, materials science, law, business and other professions. The Bachelor of Science is particularly designed for students wishing to continue with graduate training in chemistry and closely-allied disciplines and graduates are certified for membership in the American Chemical Society. The Bachelor of Arts provides opportunities for curricula individually tailored to meet many career objectives.
General Requirements for the Majors in Chemistry

The required sequence of Chemistry courses should be started immediately in the freshman year; the mathematics and physics requirements should be completed before the junior year as preparation for CHM 3400 Elementary Physical Chemistry I (B.A. degree) or CHM 4410 Physical Chemistry I (B.S. degree), courses which are to be taken in the third year. CHM 4410 is a prerequisite to other advanced courses required for the B.S. degree in chemistry, CHM 4060 “Use of Chemical Literature” also is a prerequisite to several B.S. degree courses.

A grade of C or better is required in each chemistry course and each supporting course specified for a chemistry degree. All courses in a chemistry program must be taken with letter grade (A,B,C,D,F) except those courses which are graded S/U only. (D and F grades earned in attempting to satisfy chemistry major requirements will be used in calculating the major GPA.) Nine hours of upper-level chemistry courses must be completed at USF.

Liberal Arts Requirement. The student is required to complete the university’s Liberal Arts Requirement. Chemistry and Mathematics courses required for chemistry degrees satisfy the Liberal Arts requirements in the areas of Natural Science and Quantitative Methods.

Free Electives. Courses over and above the required courses should be taken to complete a 120-hour program. Recommended courses are listed in the degree requirements below. Additional courses in computer programming, economics, management, engineering, statistics, writing, and other applied disciplines are strongly recommended to strengthen the degree for subsequent professional employment.

Transfer Credit: It is strongly recommended that students transferring from community/junior colleges to the University of South Florida complete whole sequences of chemistry courses, such as general and organic chemistry, before the transfer. Even though courses may carry the same common course number, topics may vary sufficiently from school to school to leave the transfer student ill-prepared to proceed within a sequence.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. These include the first two semesters each of General Chemistry lecture and lab, Organic Chemistry lecture and lab, Calculus, and General Physics lecture and lab. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

CHMX045/X045L General Chemistry I (with lab) or CHM 1040 & 1041, or 1045C, or 1045E
CHM X046/X046L General Chemistry II or CHM 1046C, or 1046E
MAC 2311 Calculus I or MAC 2281 Eng Calculus I
MAC 2312 Calculus II or MAC 2282 Eng Calculus II
CHM 2210/2210L Organic Chem I & Lab or CHM 2210C
CHM 2211/2211L Organic Chem II & Lab or CHM 2211C
OR PHY 2048/2048L Gen Physics I & Lab or PHY 2048C, or PHY 2053C
PHY 2049/2049L Gen Physics II & Lab or PHY 2049C, or PHY 2054C

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

BA in Chemistry (CHM)

The B.A. degree in Chemistry provides a course of study for students whose careers will require a thorough understanding of chemistry required for a variety of professional activities such as in health-related professions, science teaching, business, law and other areas. Inherent in this program is a high degree of flexibility which permits tailoring a course of study to the student’s own educational objectives. The B.A. student whose goals change in the direction of graduate study should supplement this curriculum by addition or substitution of a selection of advanced courses from the B.S. program. Prerequisites are included in the list below.

Required Chemistry Courses (33 cr. hrs.)
CHM 2045 General Chemistry I (3)
CHM 2045L General Chemistry I Lab (1)
CHM 2046 General Chemistry II (3)
CHM 2046L General Chemistry II Lab (1)
CHM 2046L General Chemistry II Lab (1)
CHM 2210 Organic Chemistry I (3)
CHM 2210L Organic Chemistry I Lab (2)
CHM 2211 Organic Chemistry II (3)
CHM 2211L Organic Chemistry II Lab (2)
CHM 2210L Organic Chemistry I Lab (2)
CHM 3120C Elementary Analytical Chemistry I (4)
CHM 3120L Elementary Analytical Chemistry II (2)
CHM 3120L Elementary Analytical Chemistry II (2)
CHM 31610 Intermediate Inorganic Chemistry I (3)
CHM 31610L Intermediate Inorganic Chem. I Lab (1)

Required Chemistry Electives (6 cr. hrs.)
3000-level or above; may include no more than 1 hr. of CHM 4970.
Suggested courses: BCH 3023, BCH 3023L, CHS 4300, CHM 4060, CHM 4070, CHM 4130, CHM 4611, CHM 4970, CHM 4932.*

*Content varies each semester.

Required Supporting Courses (14-16 cr. hrs.)
MAC 2311 (4) or MAC 2211 (3)
MAC 2312 (4) or MAC 2282 (3)
PHY 2053 (3) or PHY 2054 (3)
PHY 2053L (1) or PHY 2054L (1)

Required natural science or engineering electives (6 cr. hrs.)
Suggested courses: BSC 2100, BSC 2111, GLY 2010, GLY 2100, EGR 201, CGS 2060.

BA in Chemistry, emphasis in Biochemistry (CHM)

The Chemistry B.A. offers a unique opportunity for students to pursue later studies and/or professional emphasis in Biochemistry and Biotechnology along with a strong foundation in the chemical knowledge and skills that are essential to these areas. The following schedule of courses meets the requirements for a B.A. in Chemistry and provides core courses in other disciplines basic to biochemistry and biotechnology. Prerequisites are included in the list below.

Required Chemistry Courses (30 cr. hrs.)
CHM 2045 General Chemistry I (3)
CHM 2045L General Chemistry I Lab (1)
CHM 2046 General Chemistry II (3)
CHM 2046L General Chemistry II Lab (1)
CHM 2210 Organic Chemistry I (3)
CHM 2210L Organic Chemistry I Lab (2)
CHM 2211 Organic Chemistry II (3)
CHM 2211L Organic Chemistry II Lab (2)
CHM 3120C Elementary Analytical Chemistry I (4)
BCH 3023 Introductory Biochemistry (3)
BCH 3023L Basic Biochemistry Lab (2)
BCH 4034 Advanced Biochemistry (3)
### Required Chemistry Electives. (9 cr. hrs.)

Minimum of 9 hrs. selected from the following:

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CHM 3400</td>
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<td>CHM 3401</td>
<td>Elementary Physical Chemistry II*</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3610</td>
<td>Intermediate Inorganic Chemistry I*</td>
<td>(3)</td>
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<td>CHM 3610L</td>
<td>Intermediate Inorganic Chem. I Lab*</td>
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<td>CHM 4060</td>
<td>Use of the Chemical Literature</td>
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<td>CHM 4300</td>
<td>Biomolecules I</td>
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<td>CHM 4070</td>
<td>Historical Perspectives in Chemistry</td>
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<tr>
<td>CHM 4932</td>
<td>Selected Topics in Chemistry</td>
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*Students anticipating graduate study are advised to select these courses.

### Required Supporting Courses (22-24 cr. hrs.)

MAC 2311 (4) or MAC 2281 (3)

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<td>PHY 2053L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
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<tr>
<td>BSC 2010</td>
<td>Fundamentals of Clinical Chem.</td>
<td>(3)</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Fundamentals of Clinical Chem. Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Intermediate Inorganic Chem. I Lab</td>
<td>(1)</td>
</tr>
</tbody>
</table>

### Other suggested electives important for advanced studies in biochemistry: CHM 4932*, CHM 4070, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, MCB 4502, PCB 4253, PCB 5845, EVR 2001.

*Content varies each semester.

### BA in Chemistry, emphasis for Health Professions (CHM)

A chemistry core is essential for preparation for medical, dental, veterinarian and other health-related professions. The B.A. in Chemistry includes this core as well as the flexibility to incorporate the other science courses required for admission to programs in the health professions. The course of study outlined below incorporates the goals for health-related careers. Prerequisites are included in the list below.

#### Required Chemistry Courses (30 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry I</td>
<td>(1)</td>
</tr>
<tr>
<td>BCH 3023</td>
<td>Introduction to Biochemistry</td>
<td>(3)</td>
</tr>
<tr>
<td>CHS 4300</td>
<td>Fundamentals of Clinical Chem.</td>
<td>(3)</td>
</tr>
<tr>
<td>CHS 4301L</td>
<td>Fundamentals of Clinical Chem. Lab</td>
<td>(2)</td>
</tr>
</tbody>
</table>

#### Required Chemistry Electives. (9 cr. hrs.)

Minimum of 9 hrs. selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 3023L</td>
<td>Basic Biochemistry Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>BSC 4034</td>
<td>Advanced Biochemistry</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3400</td>
<td>Elementary Physical Chemistry I*</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3401</td>
<td>Elementary Physical Chemistry II*</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3610</td>
<td>Intermediate Inorganic Chemistry I*</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3610L</td>
<td>Intermediate Inorganic Chem. I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 4060</td>
<td>Use of the Chemical Literature</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 4070</td>
<td>Historical Perspectives in Chemistry</td>
<td>(3)</td>
</tr>
</tbody>
</table>

#### Required Supporting Courses (22-24 cr. hrs.)

MAC 2311 (4) or MAC 2281 (3)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053</td>
<td>General Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>Organic Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>General Chemistry I Lab</td>
<td>(3)</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Organic Chemistry I Lab</td>
<td>(1)</td>
</tr>
</tbody>
</table>

### BS in Chemistry (CHS)

The Bachelor of Science in Chemistry is a rigorous program that supplies the foundation in chemistry required for both the student who begins a chemical vocation immediately upon graduation as well as the one who pursues advanced study in chemistry or related areas. In accord with this goal, the curriculum for the B.S. degree in Chemistry meets the requirements for degree certification by the American Chemical Society. Because of the strong base developed in this curriculum, the B.S. in Chemistry also provides entry into other chemistry-related advanced studies. Prerequisites are included in the list below.

#### Required Chemistry Courses (50 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry I</td>
<td>(4)</td>
</tr>
<tr>
<td>BCH 3023</td>
<td>Introduction to Biochemistry</td>
<td>(3)</td>
</tr>
<tr>
<td>CHS 4300</td>
<td>Fundamentals of Clinical Chem.</td>
<td>(3)</td>
</tr>
<tr>
<td>CHS 4301L</td>
<td>Fundamentals of Clinical Chem. Lab</td>
<td>(2)</td>
</tr>
</tbody>
</table>

#### Required Supporting Courses (20-23 cr. hrs.)

MAC 2311 (4) or MAC 2281 (3)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048</td>
<td>General Chemistry I Lab</td>
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<tr>
<td>PHY 2048L</td>
<td>General Chemistry I Lab</td>
<td>(1)</td>
</tr>
</tbody>
</table>

#### Required natural science or engin. elective (3-6 hrs.)

- 1 - 3000 level course (PHY 3101, MAP 4302 suggested) or

Other suggested chemistry electives: CHM 4970, BCH 3023L, CHM 4070, CHM 4932*.

*Content varies each semester.

### MINOR IN CHEMISTRY

Minimum of 24 total hours. Students apply for a minor when submitting a graduation application (i.e., there is no need to "declare" a minor).

#### Required Chemistry Courses (14 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>(2)</td>
</tr>
<tr>
<td>CHM 4060</td>
<td>Use of Chemical Lit.</td>
<td>(1)</td>
</tr>
</tbody>
</table>

*OR*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 4932</td>
<td>Selected Topics in Chemistry</td>
<td>(1)</td>
</tr>
</tbody>
</table>
**CHEMISTRY ELECTIVES**

Choose 10 hours of structured classes, applicable to the major.

**NOTE:** In all laboratory classes the lecture is PR/CR.

- BCH 3023 Introductory Biochemistry (3)
- BCH 3023L Basic Biochemistry Lab (2)
- CHM 2211 Organic Chemistry I (3)
- CHM 2211L Organic Chemistry Lab II (2)
- CHM 3120C Elementary Analytical Chemistry (4)
- CHM 3610 Intermediate Inorganic Chemistry (3)
- CHM 3610L Intermediate Inorganic Chem. Lab (1)
- CHM 3400 Elementary Physical Chemistry (3)
- CHM 4300 Biomolecules (3)
- CHM 4932 Selected Topics in Chemistry* (1-3)
- CHS 4300 Fund. Clinical Chemistry (3)

*Note: CHM 4932 content varies each semester. Recent topics include: Chemical Archaeology, Applied Spectroscopy, NMR, Toxic Substances, Antibiotics, Analytical Environmental Methods, Chemistry of Materials, Polymer Chemistry, Spectroscopy, & Computer in Chemistry.

**ENVIRONMENTAL CONCENTRATION**

Chemical science is a core component of environmental science both in the analysis of environmental conditions and in the solution of environmental problems. B.A. and B.S. chemistry majors wishing to concentrate on environmental concerns should complete the following required courses and seriously consider taking one or more of the suggested electives.

**Required Supporting Courses**

- BSC 2010 Biology I - Cellular Processes
- BSC 2011 Biology II - Diversity
- GLY 2010 Dynamic Earth: Intro to Physical Geography
- GLY 2010L Dynamic Earth Laboratory
- EVR 2001 Introduction to Environmental Science
- EVR 2001L Environmental Science Lab

**Suggested Electives**

- EVR 2861 Introduction to Environmental Policy
- EVR 4910 Environmental Science and Policy Project
- GLY 2030 Environmental Geology
- GLY 3038 Earth and Environmental Systems
- GLY 3200 Mineralogy

**Teacher Education Programs**

For information concerning the degree programs for secondary school teachers, see College of Education section this Catalog and junior college teachers, see USF Graduate Catalog.

**Combined BA-MA Program Admission**

Regular admission to the program will normally occur towards the end of the sophomore year or early in the junior year, or at transfer from junior college. Students who have completed not less than ten semester credit hours of chemistry courses, and have maintained a "B" average in chemistry courses and overall, may apply. Applications will be considered individually and applicants may be called for interview. Provisional admission may be granted to incoming freshmen whose academic background and performance indicate the likelihood of their meeting the regular requirements in due course. It should be noted that, in view of the heavy research component and orientation of the program, and the limitations of facilities and individual faculty time available for research direction, admission to the program is by no means automatic upon meeting minimum requirements.

**COURSE REQUIREMENTS**

Undergraduate: The B.A. coursework curriculum (q.v.) is augmented as follows:

1. CHM 4410, 4412, and 4130C (or CHS 4310C) replace CHM 3400, 3401 and 3402C.

2. Chemistry coursework hours (excluding research) total 42 rather than 41.


Graduate: Not less than 20 credit hours of formal, regularly scheduled chemistry graduate courses, including not less than two of the five core courses (BCH 5065, CHM 5225, CHM 5425, CHM 5621, CHM 6150). At least 10 of the credit hours must be at the 6000 level. The core course requirement may be waived in part or entirely by recommendation of the supervisory committee on the basis of past work, performance on a test, or substitution of more comprehensive and advanced courses.

**RESEARCH AND THESIS**

CHM 4970 (12) CHM 6973 and CHM 6971 (10)

To satisfy the research credit hour requirements and to produce results suitable for publication in a refereed scientific journal, it will be necessary for the student to be enrolled during the summers of his junior, senior and graduate years. Completion of the program will require the presentation and formal defense of a research thesis for the master's degree.

**SUPERVISION AND PROMOTION**

A supervisory committee consisting of two faculty members will be appointed for each student admitted to the program. A carefully planned individual timetable will be worked out and progress will be monitored each semester. Continuation from the senior year into the graduate year will be contingent upon the maintenance of the "B" average in chemistry and overall, and upon satisfactory recommendation by the student's research director. Diagnostic and qualifying examinations will not be required of students in this program. The supervisory committee during the graduate year will consist of three faculty members, including the research director.

- **COMMUNICATION (SPE)**

Communication studies focus on the concepts, theories, and practice of human communication in a variety of contexts. Students apply their understanding of communication research and principles to personal, professional, and community relationships and concerns.

The department encourages students to tailor their program of study to meet their own interests. Majors select from one of three areas of concentration described below.

The Honors Program in Communication allows qualified students to pursue advanced study. A minor in Communication is also available.

**Requirements for the Major in Communication**

A major in Communication requires a minimum of 36 credit hours from departmental offerings. A final grade of "D" within a departmental course will not be counted toward a Communication major. Courses may not be taken S/U where a grade option exists.

**Prerequisites (State Mandated Common Prerequisites)**

Students must complete SPC 2600, Public Speaking, before being admitted to the Communication major. A student can be admitted to the university without SPC 2600, but it must be completed as part of requirements for the major. A grade of "C" is the minimum acceptable grade. In addition, admission to the major is limited to those students who have completed at least 30 hours of college level work and have achieved an overall grade point average in all college courses of 2.5 or above.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program.
I. Prerequisites (3 hours)
This course is a prerequisite for declaring the communication major:
SPC 2600 Public Speaking (3)

II. Core Distribution Requirements (12 hours)
Students must take each of these four courses as early as possible in the major. These courses are prerequisites for taking many of the more advanced courses in the respective areas.
COM 2000 Introduction to Communication (3)
ORI 2000 Introduction to Communication as Performance (3)
SPC 3301 Interpersonal Communication (3)
SPC 2541 Persuasion (3)

III. Area of Concentration (9 hours)
Students must take a minimum of nine hours in one of the three areas of concentration.

Performance Communication
ORI 3950 ORI 4931 ORI 4120
ORI 4310 SPC 4201

Interpersonal and Organizational Communication
COM 3120 COM 3014 COM 4020
COM 4124 COM 4710 COM 4942

Public and Cultural Communication
SPC 3212 SPC 3425 SPC 4305
SPC 4310 SPC 4431

IV. Departmental Electives (12) hours
Students must take twelve additional hours of elective coursework in the Department of Communication at the 3000-level or higher, which must include at least six hours from outside the student's "area of concentration."
The following three classes count as electives outside the area of concentration for everyone (regardless of the concentration chosen):
COM 3122 Interview Communication
SPC 3601 Advanced Public Speaking
SPC 4930 Selected Topics Course (titles and topics vary each semester)

Communication Honors Program
The Honors Program in Communication provides an opportunity for exceptional undergraduate students in Communication to work closely with a faculty member in an intensive research experience. Each Honors student is required to complete and defend an undergraduate Honors Thesis. Application to the program ordinarily occurs during the second semester of the junior year or prior to the completion of 90 semester hours. Admission to the program is based on the student's overall academic record, performance in communication courses, and recommendations of faculty. To be admitted to the program, a student should have at least a 3.5 GPA in all communication courses and a 3.0 cumulative GPA. Students are required to complete 3 hours of Honors Reading and 3 hours of Honors Thesis. Students interested in the Honors Program should consult the department for further information about admission and program requirements.

Requirements for the Minor in Communication
The minor in Communication is available to students pursuing any other major at USF. The minor in Communication requires a minimum of 18 hours of departmental coursework, including:
SPC 2600 Public Speaking (3)
COM 2000 Introduction to Communication (3)
The other 12 hours may be selected from among departmental offerings and must include a minimum of 6 hours at the 3000-level or higher. A grade of "D" will not be counted toward a Communication minor. Courses may not be taken S/U where a grade option exists.

- COMMUNICATION SCIENCES AND DISORDERS (LSH, ITT, DST)
The undergraduate program in Communication Sciences and Disorders (CSD) offers three curriculum concentrations that lead to the B.A. degree. 1) The undergraduate concentration in Speech-Language-Hearing Science (LSH) provides pre-professional study that prepares the student for Master's level preparation in Speech-Language Pathology, or Deaf Education, or for entry into the clinical Doctor of Audiology degree (AuD). 2) The undergraduate curriculum in the Deaf Studies (DST) concentration focuses on the study of deaf culture through the development of communicative proficiency in ASL and prepares the individual to work with the deaf in a variety of social service settings. 3) The Interpreter Training undergraduate curriculum prepares individuals to work in educational setting with students who require assistance with educational skills due to their hearing impairment or deafness. Students interested in these concentrations should contact the Department of Communication Sciences and Disorders regarding academic advising. The Department also offers the Master's of Science degree in Speech-Language Pathology and Deaf Education. A doctor of Audiology Degree is awarded. The department offers a 5-year M.S. course of study combining undergraduate with graduate courses; However, enrollment into this program is currently not available.

Concentrations in Communication Sciences and Disorders (CSD)

Recommended Prerequisites (State Mandated Common Prerequisites)
Students are encouraged to complete the A.A. degree at the community college. Some courses required for the Speech-Language-Hearing (LSH) or Deaf Studies (DST) major may also meet General Education Requirements thereby transferring maximum hours to the university.

Students entering the university without an A.A. degree and fewer than 60 semester hours of acceptable credit, must meet the university's entering freshman requirements including ACT and SAT test scores, GPA, and course requirements.

Students who plan to major in LSH and DST are encouraged to complete the following prerequisites during the program of study at the community college:

I. ANT 2000 Introduction to Anthropology 3
or
PSY 2012 Introduction to Psychology 3
or
SYG 2000 Introduction to Sociology 3

II. And each of the following:
BSC 1085 Human Anatomy & Physiology I 3
BSC 1085L Human Anatomy & Physiology I Lab 1
BSC 1086 Human Anatomy & Physiology II 3
BSC 1086L Human Anatomy & Physiology II Lab 1

or equivalent work such as:
BSC 2092 Human Anatomy & Physiology 5

STA 1023 Introduction to Statistics 4
(or equivalent)

III. Complete the foreign language requirement
NOTE: Students who select ASL as their foreign language and are seeking a bachelor's degree in DST are required by the Department of Communication Sciences and Disorders to complete satisfactorily at least one upper level course in ASL at the University of South Florida or to demonstrate proficiency in ASL.

IV. Admission to the program of study for Interpreters Training (ITT) requirement: ability to use ASL at the intermediate level of a standardized ASL competency test such as the Sign Communication Proficiency Index (SCPI) or other
There are no State Mandated Common Prerequisites for this degree program.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students are encouraged to join the USF chapter of the National Student Speech-Language-Hearing Association. This group is affiliated with the American Speech-Language-Hearing Association (ASHA) and has many membership benefits.

A. General Information and Upper-level Requirements for the Degree

All undergraduates seeking enrollment in this department must be in good academic standing as undergraduate students at the University of South Florida. Prior to beginning coursework in the junior year in the department, most students should complete general academic distribution requirements, successfully pass the CLAST, and have achieved 60 semester hours of coursework. Students with advising concerns relative to their first 60 semester hours are encouraged to meet with undergraduate departmental advisors since required and recommended courses for admission into the LSH or DST concentrations will also meet other university requirements.

B. Prerequisites for Admission

1. Required Courses
   - BSC 1085 Human Anatomy and Physiology I
   - BSC 1085L Human Anatomy and Physiology I Lab
   - BSC 1086 Human Anatomy and Physiology II
   - BSC 1086L Human Anatomy and Physiology II Lab
   - or BSC 2092 Human Anatomy and Physiology

2. Recommended Courses
   - LIN 3010 or LIN 3801 or CGS 2060

C. Other Requirements for the LSH Degree (min. 9 cr. hrs.)

1. Required Courses (6-7 cr. hrs.)
   - STA 2122 (3) or PSY 3213 (4) and ISS 3010 (3)

2. Additional Courses (3 cr. hrs.)
   - SYG 2000 or ANT 2000 or equivalent

D. Speech-Language-Hearing Concentration (ISH) (min. 39 cr. hrs.)

Coursework is sequenced for the LSH concentration in Speech-Language-Hearing Science. All students must complete study in basic knowledge of the communication sciences and in basic knowledge of communication disorders. Upon admission to the concentration, each student will be assigned an advisor to provide guidance in academic planning.

The course of study includes:
- SPA 3002 (3) SPA 3110 (3) SPA 4222 (3)
- SPA 3004 (3) SPA 3112 (3) SPA 4652 (3)
- SPA 3011 (3) SPA 4050 (3) SPA 4632 (3)
- SPA 3030 (3) SPA 4201 (3)
- SPA 3101 (3) SPA 4210 (3)
- SPA 3612C (4) (Recommended)

Students interested in teacher certification in deaf education must complete required education courses in addition to all coursework listed under Sections B, C and D. Effective July, 1989, the academic requirement for employment in the public school system for Speech-Language Pathologists is the Master's degree.

E. Deaf Studies Concentration (DST) (min. 30 cr. hrs.)

New students are not being admitted to the DST Major for the 2001/2002 year while the curriculum is being restructured.

The DST concentration seeks to educate students to communicate with the deaf and to apply this knowledge in work settings where knowledge of the deaf culture is essential for the provision of social services. This DST concentration is not intended to prepare interpreters for the deaf although exceptionally proficient students may qualify as interpreters. This concentration also does not qualify students for admission into the M.S. programs in Speech-Language Pathology or Deaf Education, nor the Doctor of Audiology Program. Those students choosing to become teachers of the deaf must pursue the LSH concentration in Speech-Language-Hearing Science and obtain the M.S. degree in Aural Rehabilitation/Deaf Education.

General admission requirements and recommendations for DST are identical to the LSH concentration in Speech-Language-Hearing Science. The specific course of study for the DST concentration also assumes that the student has completed an A.A. degree or its equivalency. Upon admission to the concentration, each student will be assigned an advisor for the purpose of academic planning. The following courses are included in the major:
- SPA 3002 (3) SPA 3310 (3) SPA 4614 (4)
- SPA 3004 (3) SPA 3312 (3) SPA 4617 (4)
- SPA 3030 (3) SPA 4613 (4) SPA 4632 (3)
- Other electives (6).

F. Interpreter Training Concentration (ITT)

The ITT concentration seeks to educate students to become interpreters for deaf individuals. A program of 42 credit hours is planned for the student majoring in the Interpreter Training Concentration. Course content is distributed across five categories of information and skills necessary for a career in Interpreting:

1. Role of the Interpreter in various settings
2. Cognitive, Psychosocial, and Language Development of Hearing and Deaf Children in Public Schools
3. Techniques and Applications of Interpreting
4. Professional Practices of the Interpreter
5. Internship

General education requirements as well as liberal arts exit requirements for ITT are identical to those for DST and LSH concentrations. The specific course of study for the ITT concentration assumes that the student has completed an A.A. degree in Interpreter Training or its equivalent. Additionally, prerequisites include proficiency in ASL signing and interpreting skills. Upon admission to the concentration, each student will be assigned an advisor for the purpose of academic planning. Interested students should contact the coordinator of the Interpreter Training Program in the Department.

The following courses are included in the major:
- SPA 3004 (3) SPA 3653L (1) SPA 4652 (3)
- SPA 3660 (3) SPA 3673 (3) SPA 4662 (3)
- SPA 3660L (1) SPA 4363 (3) SPA 4662L (1)
- SPA 3663 (3) SPA 4463L (1) SPA 4665L (3)
- EDF 3214 (3) EDF 3604 (3) EDG 4620 (3)
- EEX 4070 (2-3) EME 2040 (3) ISS 3010 (3)

Minimum Grade for Majors

A student must receive a "C" grade or better in all courses within the major and those that are required prerequisites. A student who receives a grade of "D" or lower in more than two USF Communication Sciences and Disorders courses will be automatically barred from continuing as an undergraduate major in LSH, DST, or ITT. Grade forgiveness may be used for two courses only and may be used only for course work taken in the first year of study. Courses that comprise the second year of the major may not be repeated.

Honors Program

The Honors Program in Communication Sciences and Disorders (LSH, ITT) provides outstanding undergraduates with advanced, individualized training in their areas of interest as well as additional research training. Admission to this program requires the student to submit evidence of (1) having completed 70 hours of college level course work with a 3.25 average or better, (2) 9 credit hours within the
Requirements for the Minor in American Sign Language

Students seeking a minor in American Sign Language (DST) must complete a minimum of 17-18 credits:
1. A minor must include these four courses:
   - SPA 3612C - Basic ASL
   - SPA 4613C - Intermediate ASL
   - SPA 4614C - Advanced ASL
   - SPA 4632 - Nature and Needs of the Deaf and Hearing Impaired
2. In addition, a minor must include one of the following:
   - SPA 4331 - Fundamentals of Finger Spelling
   - SPA 4332 - Structure of Sign Language
3. Students transferring credit hours toward a minor in DST must complete 12 credit hours within the Department of Communication Sciences and Disorders regardless of the number of credit hours transferred.
4. A GPA of 2.0 or better must be achieved in minor coursework in order for a student to be certified for graduation with a minor in American Sign Language.

• CRIMINOLOGY (CCJ)

The major in Criminology provides students with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections, and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The program provides a solid background in the theory, issues and methodology comprising Criminology.

The objective of the undergraduate program in Criminology is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system.

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

Transfer students should be aware that by university regulation they are obligated to establish academic residency by completing the equivalent of one academic year (30 semester hours) in “on-campus” courses. All undergraduate transfer students electing Criminology as their major will be required, moreover, to take a minimum of 30 credit hours in major coursework at the University of South Florida. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Requirements for the Major in Criminology

A minimum of 36 semester hours is required of all undergraduate majors in Criminology including:

1. Each of the following core courses:
   - CCJ 3024 (3)*
   - CCJ 3701 (3)**
2. At least two of the following substantive courses:
   - CCJ 3204 (3)
   - CCJ 4273 (3)
   - CCJ 4501 (3)
   - CCJ 4506 (3)

3. 18 semester hours of electives within the major.

* These are gateway courses and are required for all other coursework in the major or minor; therefore, they need to be taken first.
** Students who plan to continue on to graduate school must also take CCJ 4700 as one of their electives within the major.

NOTE: No more than six (6) of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major.

These residence requirements are designed to insure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.

Any student who receives a grade of "D" or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

Requirements for the Minor in Criminology

The Department of Criminology offers a minor in Criminology. The minor consists of:

1. Two required courses:
   - CCJ 3024 (3)
   - CCJ 3610 (3)

2. The selection of four of the following 3 hour courses for a total of 18 semester hours:
   - CCJ 3204
   - CCJ 3621
   - CCJ 4110
   - CCJ 4273
   - CCJ 4306
   - CCJ 4501

Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Students minoring in Criminology are subject to the Department’s "2 D+ Rule."

• ECONOMICS (ECO)

Economics offers a clear and logical way of thinking about complicated issues such as unemployment, inflation, pollution, and crime. The department offers broad course choices allowing students to tailor their programs to provide training for professional careers in business, teaching, government, and law. Students interested in majoring or minoring in economics should contact the undergraduate academic advisor in the Economics Department for more information.

Requirements for the Major in Economics

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: The State of Florida has identified common course prerequisites for the major in Economics. These courses must be completed with a minimum grade of "C" before the degree is granted. If the courses are not transferred in, they may be taken at USF.

ECO X013 Economic Principles: Macroeconomics and
ECO X023 Economic Principles: Microeconomics or ECO XXXX and ECO XXXX
Coursework in the Economics Major:
A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 33 credits in Economics in addition to college requirements. The 33 credits must include:

- ECO 2013 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- ECO 3101 Intermediate Price Theory (3)
- ECO 3203 Intermediate Macroeconomics (3)
- ECO 4935 Economic Statistics or QMB 3200 Business and Economics Statistics II (3)
- Economics electives numbered 3000 or higher (18)

ECO 3100, Managerial Economics, may be substituted for ECO 3101. Students may not take both ECO 3100 and ECO 3101 for credit.

Either ECO 1000 (if taken before both ECO 2013 and ECO 2023) or QMB 2100 (if taken as a prerequisite to QMB 3200) may be substituted for a maximum of 3 hours of upper level elective credit.

Students must obtain a grade of "C" or higher in ECO 3101 or ECO 3100 in order to enroll in any course for which ECO 3101 or ECO 3100 is a prerequisite. At least 9 of the 18 hours of upper level economics electives must be in courses for which either ECO 3101, ECO 3100 or ECO 3203 is a prerequisite.

No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914.

At least 12 hours must be taken in residence at USF.

Grades of "C" or better in ECO 2013 and ECO 2023 are required for graduation with a major in Economics.

Economics majors working at the regional campuses may not be able to fulfill all economics course requirements at those campuses.

Requirements for the Minor in Economics
Students from throughout the university may earn a minor in Economics by satisfactorily completing 18 hours in Economics including:

- ECO 2013 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- Economics electives numbered 3000 or higher (12)

ECO 1000, if taken before both ECO 2013 and ECO 2023, may be substituted for 3 hours of upper level electives. Before being recognized as a minor in economics a student must obtain program approval by the Economics Department Undergraduate Advisor. A grade point average of 2.0 or higher must be achieved in minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum
Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.


The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test or applying for admission to law schools.

Five-year Bachelor/Master Degree Program
This program allows superior students with strong analytical skills and the ability to handle a fast paced, challenging program the opportunity to complete both the Bachelor and Master degrees in economics in five years.

The program meets all the requirements for the Bachelor’s degree but requires the students to take two graduate level courses required for the MA degree during the last year in the program. These 6 hours are counted as general electives (not major electives) in the undergraduate program and are also used to satisfy the requirements for the MA in economics.

To be eligible for the program, a student must have completed at least 6 hours of 3000 level or above economics courses, have an overall grade point average of 3.0 or above, and have a minimum of 3.25 cumulative grade point average in all economics courses (including statistics).

To apply for admission, send a letter to the Graduate Program Director in the Department of Economics stating your qualifications and desire to enter the program. To plan your program, or for additional information, see the Undergraduate Advisor in Economics.

- ENGLISH (ENG)
  First-Year Composition Requirement: All first-time-in-college students are required to take Composition I and II (a sequential two-semester course of study) in accordance with the following conditions:
  1. First-time-enrolled students (a) who do not intend to take the CLEP Freshman English Test, or (b) who have been notified of failing CLEP prior to registration and who do not intend to attempt the exam a second time, must take ENC 1101 and ENC 1102 sequentially. If a student fails the first course, he/she must repeat it before proceeding to the next Composition course. Students should normally take these courses before their sophomore year, but these courses are in high demand and it is possible that registration space will not always be available.
  2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus, or (b) who have failed but wish to repeat the test, must attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or does not attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year.

 These policies do not apply to first-time-enrolled students who can meet the Composition requirement with credit transferred from another institution or with appropriate AP English credit.

Requirements for the Major in English
Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements, thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted.
Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ENC 1101 Composition I
ENC 1102 Composition II
or
Six semester hours earned in courses taught in the English Department, each with 6,000 words of evaluated writing for a total of 12,000 words.

Suggested electives:
AMH 2010 American History I 3
AMH 2020 American History II 3
EIH 2021 Medieval History I 3
EIH 2022 Medieval History II 3

Upper-level coursework in the English Major:
The program in English provides three areas of specialization (divided into three degree-options below):

*English and American literature* - The primary mission of the literature option is to provide a solid foundation in the study of British and American literature. The program also offers courses in other world literatures in translation, cultural studies, feminist and ethnic studies, and both traditional and more recent critical approaches.

*Creative writing* - The creative writing option includes training in writing fiction and poetry and coverage of English and American literature.

*Professional and technical writing* - The professional and technical writing option combines the study of English and American literature with an introduction to writing found in the professional workplace.

The English Education major is described under the section for the College of Education. Major requirements for English majors are listed below. A grade of "D" will not be counted toward fulfilling the major requirements. Grades of "D" or "F" in English courses will, however, be used in calculating the major GPA unless the course is taken under the grade forgiveness policy. Students may not use more than one Directed Study toward meeting the major requirements. Transfer students must earn at least 15 hours in the major at USF. A 2.5 GPA in the major is required for graduation.

**OPTION I: ENGLISH AND AMERICAN LITERATURE**
Twelve courses (36 hrs.) as follows:

1. Two of the following:
   AML 3031 American Literature to 1860
   AML 3032 American Literature 1860-1912
   AML 3051 American Literature 1912-1945

2. Four of the following:
   ENL 3015 British Literature to 1616
   ENL 3230 British Literature 1616-1780
   ENL 3251 British Literature 1780-1900
   ENL 3273 British Literature 1900-1945
   ENL 3331 Early Shakespeare or
   ENL 3332 Late Shakespeare

3. Five of the following, at least two of which must be from Group A:

   **Group A**
   AML 4111 19th Century American Novel
   AML 4121 20th Century American Novel
   ENL 4122 British Novels: Hardy
   ENL 4123 British Novel: Conrad to the present
   ENL 4311 Chaucer
   ENL 4338 Advanced Studies in Shakespeare
   ENL 4341 Milton
   LIT 3101 Literature of the Western World Through the Renaissance
   LIT 3102 Literature of the Western World Since the Renaissance

   **Group B**
   AML 3031 American Literature to 1860
   AML 3032 American Literature 1860-1912
   AML 3051 American Literature 1912-1945
   AML 3604 African-American Literature

**OPTION II: LITERARY CRITICISM**
This option is designed for aspiring writers of fiction or poetry. In addition to giving credit for writing through a variety of course offerings, it provides information about procedures for publishing.

1. **Writing Requirements**
   CRW 3111 Form & Technique of Fiction
   CRW 2100 Narration & Description
   CRW 3311 Form & Technique of Poetry

   Any three of the following:
   CRW 3112 Fiction I
   CRW 3121 Fiction II
   CRW 3312 Poetry I
   CRW 3321 Poetry II
   CRW 4120 Fiction III
   CRW 4320 Poetry III
   CRW 4930 Selected Topics in Creative Writing

   **Note:** CRW 2100 or CRW 3111 must be taken before any other courses in the Fiction series, and CRW 3311 must be taken before any other courses in the Poetry series.

2. **Literature Requirements**
   The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, two courses from Group 2, and three courses from Group 3 and/or Group 4.

**OPTION III: PROFESSIONAL AND TECHNICAL WRITING**
This 36-hour program allows undergraduates to concentrate their studies in professional writing, wherein they will master special writing skills demanded by industry, business, government, and the professions. The English Department may arrange semester-long internships with local businesses, industries, and professional organizations. Interns will earn three credit hours and, in some cases, receive compensation from their employers for their duties.

Students choosing this concentration will also assure themselves of a core of liberal arts studies since they must take 21 credit hours of literature courses in addition to 15 hours of composition courses.

1. **Composition requirements:**
   Five of the following:
   CRW 2100 Narration and Description
   ENC 2210 Technical Writing
   ENC 3213 Professional Writing
   ENC 3310 Expository Writing
   ENC 4260 Advanced Technical Writing
   ENC 4311 Advanced Composition
ENC 4931  Selected Topics in Professional and Technical Writing

2. Literature requirements:
   The student must select seven literature courses from those listed in OPTION I:
   Two courses must be from Group 1, four courses from Group 2, and one course from Group 3 and/or Group 4.

Requirements for the Minor in English
ENGLISH AND AMERICAN LITERATURE MINOR (15 HOURS)

1. One of the following:
   AML 3031  American Literature to 1860
   AML 3032  American Literature 1860-1912
   AML 3051  American Literature 1912-1945

2. Two of the following:
   ENL 3015  British Literature to 1616
   ENL 3230  British Literature 1616-1780
   ENL 3251  British Literature 1780-1800
   ENL 3273  British Literature 1900-1945
   ENL 3331  Early Shakespeare or
   ENL 3332  Late Shakespeare

3. One course at the 4000 level listed in major OPTION I
4. One additional 3000- or 4000-level course with AML, ENL, ENC, ENG, LIT prefix

CREATIVE WRITING MINOR (15 HOURS)

1. CRW 3111  Form & Technique of Fiction or
   CRW 2100  Narration & Description
   CRW 3311  Form & Technique of Poetry
   Any two of the following:
   CRW 3112  Fiction I
   CRW 3121  Fiction II
   CRW 3312  Poetry I
   CRW 3321  Poetry II
   CRW 4120  Fiction III
   CRW 4320  Poetry III
   CRW 4930  Selected Topics in Creative Writing

2. One AML or ENL course listed in OPTION I.

PROFESSIONAL AND TECHNICAL WRITING MINOR (15 HOURS)

1. ENC 2210  Technical Writing
   ENC 4260  Advanced Technical Writing
   Any two of the following courses:
   CRW 2100  Narration & Description
   ENC 3213  Professional Writing
   ENC 3310  Expository Writing
   ENC 4311  Advanced Composition
   ENC 4931  Selected Topics in Professional and Technical Writing

2. One AML or ENL course listed in OPTION I

ENGLISH HONORS PROGRAM

The Department of English Honors Program will provide a carefully selected group of seniors with opportunities for advanced scholarship:
A. Closer contact with faculty tutors than students in the regular major program;
B. An opportunity to work and exchange ideas in the stimulating environment of a small group of fellow students with similar aims and abilities;
C. An opportunity to develop individual initiative and sophisticated critical skills.

The English Honors Program will benefit those interested in graduate work, advanced professional study, or greater intellectual challenges.

Admissions Criteria

Students may apply for the program after completing 80 hours of course work (60 before actual admission). Applicants should have a GPA of 3.3 in the major and an overall GPA of 3.0 and should submit letters from two English faculty supporting their applications.

In addition they should have completed - or be in the process of completing - at least four of the six survey courses required for the English Literature major. They should complete all remaining required survey courses during their senior year. After screening all applications, the department's Honors Committee will interview all eligible applicants before selecting participants in each year's program.

Requirements for Completion of Departmental Honors
1. The Honors student will complete Parts 1, 2, and 4 of the Literature major as described in the current catalog.
2. The student will take two (three-hour) Honors seminars during the first semester of his/her senior year. Both courses should help the student in selecting a topic for his/her Honors thesis.
3. During the second semester of the senior year, the Honors student will enroll for three thesis hours. The instructors of the first semester's seminars will serve as instructors of record for the thesis hours and as readers of all Honors theses. The student will choose a member of the faculty to serve as the third reader of her thesis. The student must satisfy the following requirements:
   a. Complete both Honors seminars with a 3.3 GPA;
   b. Complete all remaining major requirements with a 3.3 GPA and remaining academic course work with an overall GPA of 3.0 in both areas;
   c. Submit an acceptable thesis to the Departmental Honors committee.
4. The student who completes all requirements above will graduate with Honors in English. The credit hours completed within the program by the student who does not complete all Honors requirements will, of course, count toward the baccalaureate degree.

The Honors Committee will disqualify any student from the program who does not complete the Honors seminars with at least a 3.3 GPA.

Honors students failing to complete a thesis within two years after acceptance into the program will be notified by the Honors Committee of their dismissal from the program.

ENVIRONMENTAL SCIENCE AND POLICY (EVR)

The status of the earth's environment has been a major concern since the 1960s. As we enter the 21st century, it represents one of the most critical issues facing nearly all nations individually as well as the earth community as a whole. Increased population, technology, globalization and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites. The environmental industry is a growing arena for employment for degree holders at all levels.

The Bachelor of Science (B.S.) in Environmental Science and Policy was approved in 1995. This interdisciplinary program spans multiple colleges within the university but is housed in the College of Arts and Sciences. All students must complete the University's General Education Requirements. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, 2 semesters each of general biology and general chemistry, environmental ethics, environmental policy, statistics and physical science (either geology or physics). In addition, majors take six courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take 2 semesters of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to sub-specialize in
policy take environmental law and environmental economics and 4 electives within designated categories. Finally, all majors must complete an upper division seminar and an internship or project. The Program Advisor advises ESP majors.

**Requirements for the Major in Environmental Science and Policy**

**Recommended Prerequisites (State Mandated Common Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following required supporting major courses prior to entering the university. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

  - Biology I and II with Lab 8
- and
- CHM 2045 & CHM 2045L General Chemistry & Lab 4
- CHM 2046 & CHM 2046L General Chemistry II & Lab 4
- plus
- STA 2023 Statistics
- One approved Geology or Physics Course with Lab 4

The calculus sequence is only required for students pursuing the ESP-Science concentration.

- MAC 2233 & MAC 2234 Life Sciences Calculus 4
- or
- MAC 2281 & MAC 2282 Engineering Calculus 4
- or
- MAC 2311 & MAC 2312 Calculus 3

All students majoring in Environmental Science and Policy are required to see the advisor each semester prior to registration for the following term. Students who are eligible for an internship must see the internship coordinator four weeks prior to the beginning of the semester in which they will complete the internship.

**REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EVR 2001</td>
<td>Intro to Environmental Science</td>
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<tr>
<td>EVR 2001L</td>
<td>Intro to Environmental Science Lab</td>
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<tr>
<td>EVR 2861</td>
<td>Intro to Environmental Policy</td>
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<tr>
<td>EVR 4921</td>
<td>ESP Seminar</td>
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<td>EVR 4910</td>
<td>ESP Project</td>
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<td>or EVR 4940 ESP Internship</td>
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<td>BSC 2010</td>
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<td>BSC 2010L</td>
<td>Biology Lab I</td>
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<td>Biology II</td>
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<tr>
<td>BSC 2011L</td>
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<td>General Chemistry II</td>
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<td>PUP 4203</td>
<td>Environmental Policy</td>
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<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
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**Statistics**

- STA 2023 Introductory Statistics or
- OMB 2100 Business and Economic Statistics or
- EGN 3443 Engineering Statistics

**Geology or Physics**

- GLY 2010 Dynamic Earth or
- GLY 2010L Dynamic Earth Lab or
- GLY 2100 Historical Geology or
- GLY 2100L Historical Geology Lab or
- PHY 2048 General Physics or
- PHY 2048L General Physics Lab or
- PHY 2053 General Physics or
- PHY 2053L General Physics Lab

**Science Track**

- MAC 2233 Life Sciences Calculus I
- MAC 2234 Life Sciences Calculus II or
- MAC 2281 Engineering Calculus I
- MAC 2282 Engineering Calculus II or
- MAC 2311 Calculus I
- MAC 2312 Calculus II and
- CHM 2210 Organic Chemistry
- CHM 2210L Organic Chemistry Lab

**Policy Track**

- ECP 3302 Environmental Economics
- POS 3697 Environmental Law

**Science Track**

- MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR
- MAC 2311 and MAC 2312 and CHM 2210 and CHM 2210L plus 4 electives from one of the following tracks: Restoration, Water Quality, Environmental Monitoring or Marine Resources. Please contact the Program office for a current list of electives under these categories.

**Policy Track**

- ECP 3302 and POS 3697 plus four approved policy-related electives. Please contact the Program office for a current list of electives under this category.

**Requirements for the Minor in Environmental Science and Policy**

A total of 19-20 credits are required for the minor in Environmental Science and Policy, 12 of which must be completed at USF. The Minor in Environmental Policy consists of the following program outline:

**Required core courses:**

- EVR 2001 Introduction to Environmental Science
- EVR 2001L Introduction to Environmental Science Lab
- EVR 2861 Introduction to Environmental Policy

**Three of the following four courses:**

- PUP 4203 Environmental Policy
- PHI 3640 Environmental Ethics
- ECO 3302 Environmental Economics
- (prerequisite: ECO 2023 Microeconomics)

**And one 3-4 credit course from the following list, with prior approval from an ESP advisor:**

- BSC 4057 Environmental Issues
- CGN 4933 Policy Issues in Environmental Engineering
- SPC 4930 Communication and the Natural Environment
GEO 4340 Natural Hazards (4)  
HIS 4936 Seminar in Environmental History (4)  
POS 5086 Global Environmental Governance (4)  
WST 3225 Women, Environmental and Gender (4)  
ANT 4199 Environmental Archaeology (4)  
EVR 4930 Selected Topics in Environmental Policy (4)  

• GEOGRAPHY (GYP)

The degree program in Geography consists of 10 courses (41 hrs. total), 5 of which are core courses required of all majors. Further, students choose either the Urban or Environmental track for their remaining courses. Both tracks offer an applied and techniques orientation for the students, which is stressed through coursework, advising, and through the core course structure for the major. The Environmental track focuses on major environmental systems including the hydrosphere, atmosphere, pedosphere, and biosphere. Particular emphasis is placed on the human modification of the natural environment and the global interconnections of the major earth systems. The Urban track focuses on the social and spatial effects of the growth of cities, including issues such as the historical evolution of urban form and function, land-use changes and conflicts, economic restructuring, the growth and decline of inner-cities, and urban racial and ethnic relations.

Requirements for the Major in Geography

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Upper-level Course Requirements

A major in Geography consists of 11 courses as follows:

Required core courses (6 courses + lab):
- GEO 4013 Intro to Physical Geography (3)
- GEO 3913 Intro to Physical Geography Lab (1)
- GEO 4002 Human Geography (4)
- GEO 3180 Digital Thematic Mapping (4)
- GEO 3164C Quantitative Methods (4)
- GEO 4933 Geography Colloquium (1)

Supporting Courses (5 courses):
- One course with GEA prefix (4)

Urban Track Courses:
- GEO 3602 Urban Geography (4)
- GEO 4502 Economic Geography (4)
- GEO 4604 Advanced Urban Geography (4)
- GEO 4700 Transportation Geography (4)
- GEO 4470 Political Geography (4)
- URP 4052 Urban and Regional Planning (4)
- GEO 4421 Cultural Geography (4)
- GEO 4340 Natural Hazards (4)

Environmental Track Courses:
- GEO 4200C Advanced Physical Geography (4)
- GEO 4210 Process Geomorphology (4)
- GEO 4280C Hydrology (4)

Techniques Courses (electives):
- GEO 4114C Geographic Techniques and Methodology (4)
- GEO 4131C Remote Sensing of the Environment (4)
- GEO 4151C Geographic Information Systems (GIS) (4)

Courses Excluded as Electives for the major:
- GEO 1930 Geography of Current Events (4)
- Only 4 combined hours of the following courses may be applied toward the degree:
  - GEO 4900 Directed Reading (1-4)
  - GEO 4910 Individual Research (1-4)

Requirements for the Minor in Geography

A minor in Geography consists of 16 credit hours, with a minimum grade-point average of 2.0. The required courses are:
- GEO 3013 (3)
- GEO 3013L (1)
- One GEO elective (4) and one upper level GEO, MET or URP elective (3000-5000 level) (4).

• GEOLOGY (GLY)

The Department of Geology offers programs leading to Bachelor of Arts, Bachelor of Science, Master of Science, and Doctor of Philosophy degrees. Geology is one of the broadest of all sciences because of its dependence on fundamentals of biology, chemistry, mathematics, and physics as applied to the study of the earth. As a result, undergraduate students are expected to obtain a broad background in the other sciences as well as a concentration in geology.

The Bachelor of Science degree program provides the student with a hands-on foundation in the fundamentals of the geosciences. The Bachelor of Arts program is designed primarily for the liberal arts student who has an interest in the subject but who is not preparing for a career in the field, or for the pre-professional student. A student who elects the B.A. program and decides to pursue the geology profession or attend graduate school will need at least physics and field geology in his/her program.

The graduate program in geology allows the student to pursue advanced studies in nearly all areas of geology. As a result of faculty interests and geographic location, several geologic subdisciplines are emphasized, including applied geophysics, coastal geology, geomorphology, geochemistry, hydrogeology, paleontology, and petrology.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

The students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they (or their equivalents) must be completed before the degree is granted. Unless stated otherwise, a grade of C is the minimum acceptable grade.

- CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E
Requirements for the Major in Geology (BS)

1. Geology courses (36 hours):
   a. Introductory Sequence* (4 hours):
      1. One course chosen from GLY 2010, GLY 2030, GLY 2038, GLY 2040, GLY 2050, and OCE 2001 (3)
      2. GLY 2015L (1)
   b. Junior-level sequence (20 hours):
      GLY 3104 Geologic Time (4)
      GLY 3311 The Solid Earth: Petrology and Geochmestry (4)
      GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure (4)
      GLY 3554C The Earth's Surface (4)
      GLY 3720C The Fluid Earth (4)
   c. Senior-Level Sequence (12 hours):
      GLY 4145 Computational Geology (3)
      GLY 4921 Geocommunications (3) and either:
      GLY 4947L Practical and Applied Geology (6)
      or A Geologic Field Course and/or Summer Research Experience, as defined and approved by the Department Undergraduate Committee. Non-traditional research experiences (i.e., NSF-supported Research Experiences for Undergraduates, summer programs) are acceptable, provided the student concurrently registers for six hours of Geologic Field Studies (GLY 4780) to meet credit hour requirements, and their research supervisor provides the Undergraduate committee with an assessment of student activities during the program.

2. Supporting Courses for the BS Degree (32 hours):
   MAC 2281, MAC 2282 (recommended), or MAC 2311, MAC 2312
   BSC 2010, 2010L, BSC 2111, 2011L, CHM 2045, 2045L, CHM 2046, 2046L, PHY 2048, 2048L, PHY 2049, 2049L (recommended), or PHY 2053, 2053L, 2054, 2054L.

Requirements for the Major in Geology (BA)

1. Geology courses (30 hours):
   Required courses include the introductory requirement and Junior-level sequence (24 hours), plus GLY 4145 and GLY 4921 (6 hours)

2. Supporting Courses for the B.A. Degree (24 hours):
   CHM 2045, 2045L, CHM 2046, 2046L, MAC 2233, 2234 or MAC 2311, 2312 or MAC 2281, 2282
   Two courses in biology or physics with labs selected from the following: BSC 2010 and 2010L, BSC 2111 and 2011L, PHY 2053 and 2053L, PHY 2054 and 2054L, PHY 2048 and 2048L, PHY 2049 and 2049L

Liberal Arts Requirements
All students are required to complete the University's Liberal Arts Requirements.

Free Electives (19-25 hours)
The student will choose, in consultation with his/her geology advisor, such courses in the natural sciences that support his/her major interest in the field of geology. Courses in computer programming and additional mathematics are of particular value. Those students who anticipate continuing for a doctorate in graduate school are encouraged to take a foreign language, preferably French, German, or Russian.

D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.

Geology Honors Program
The purpose of the Honors Program is to provide a select group of undergraduate geology majors an opportunity to undertake an intensive, individualized research experience. The culmination of the program is the completion and presentation of an honor's thesis. To apply, interested students should contact the geology undergraduate advisor during the second semester of the student's junior year. Admission to the program requires a GPA of 3.5 in the major and an overall GPA of 3.2.

Requirements for the Minor in Geology
16 credit hours are required, which must include the completion of the introductory sequence courses (4 hours) and any three of the Junior-level sequence courses (12 hours).

Teacher Education Programs
Prospective elementary and secondary school teachers desiring to teach science should include basic courses in geology and related sciences as part of their curriculum.

• GERONTOLOGY (GEY)
Gerontology is the study of the process of human aging in all its many aspects: physical, psychological, and social. In the Department of Gerontology, particular emphasis is placed upon applied gerontology, with the goal of educating students who in their professional careers will work to sustain or improve the quality of life of older persons. Since Gerontology is an interdisciplinary field, dual majors with other departments are encouraged. The Department offers the degrees of Bachelor of Arts in Gerontology, Bachelor of Science in Gerontology, a minor in Gerontology, and Master of Arts in Gerontology. The Department of Gerontology also hosts the university-wide Ph.D. in Aging Studies, and offers 3 certificates in Gerontology.

Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

For those seeking the Bachelor of Science degree, students complete the prerequisite courses listed below prior to being admitted to the upper-division major. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ACG X021 Financial Accounting or ACG X001
ACG X071 Managerial Accounting or ACG X011 or
ACG X630
CSG X000 Computers in Business or EME X402, OCC X317, CSG X101, X361, X001, X060, or CSG 1061

GEY X000 Introduction to Gerontology

STAX 122 Social Science Statistics or QMB 2150, STA 2022, STA X103, STA X104, STA X040, STA X023, or QMB X100

For those seeking the Bachelor of Arts degree, students should complete STAX 122 (Social Science Statistics) at the lower level prior to entering the university. If this course is not taken at the community college, it must be completed before the degree is granted. A grade of 'C' is the minimum acceptable grade. Acceptable substitutes for STAX 122 are: QMB 2150 or QMB X100, STA 2022, STA X103, X014, X040, X023, or X024. There are no other common prerequisites for the Gerontology program leading to the Bachelor of Arts degree.

Requirements for the Major in Gerontology (B.A.)

The Bachelor of Arts Degree in Gerontology entails 36 semester hours of required course work. In this program the course of study is intended to provide students with a liberal education in gerontology and some exposure to the various career opportunities in the field of aging. This degree is especially appropriate for students who plan to pursue graduate or professional work in gerontology, or some other field, or who plan to work with older adults in careers in areas such as case management, social services, or activity therapy.

Required Courses:
- GEY 2000 Introduction to Gerontology (3)
- GEY 3326 Aging in the 21st Century (3)
- GEY 3601 Physical Changes and Aging (3)
- GEY 3625 Sociocultural Aspects of Aging (3)
- GEY 4401 Research Methods in Gerontology (3)
- GEY 4612 Psychology of Aging (3)

A required prerequisite is STA 2122.

B.A. students complete 18 additional elective hours, which may include field placement. Students should meet frequently with the departmental advisor to plan courses and field work that will prepare the student for career goals.

Requirements for the Major in Gerontology (B.S.)

The Bachelor of Science Degree in Gerontology is a 39 semester hour specialist degree which, in addition to providing students with a basic education in gerontology, is intended to prepare them for entry level positions in Nursing Home Administration. It is especially appropriate for students who intend to begin working immediately following completion of the degree program.

Required Courses:
- BUL 3320 Law and Business I (3)
- GEY 3601 Physical Changes and Aging (3)
- GEY 4327 Long Term Care Administration I (3)
- GEY 4328 Long Term Care Administration II (3)
- GEY 4329 Long Term Care Administration III (3)
- GEY 4360 Gerontological Counseling (3)
- GEY 4365 Death and Dying (3)
- GEY 4945 Field Placement (9)
- MAN 3025 Principles of Management (3)
- MAN 3240 Organizational Behavior Analysis (3)
- MAN 3301 Human Resource Management (3)

Students also complete the following fifteen (15) hours of prerequisites: ACG 2021, ACG 2071, CGS 2100, GEY 2000, and GEY 3326.

These courses are intended to reflect educational requirements mandated by the State of Florida and specified in Chapter 212.11 of the Florida Administrative Code.

Students in the B.S. program should understand that they will only be allowed to register for the full-time internship (GEY 4945) after successful completion of all (or all but one) of the required courses in the B.S. major. Because the B.S. internship requires full-time effort, students will be allowed to take no more than four (4) credits concurrent with the B.S. internship.

GEY 2000 at this university or its equivalent at another institution is required as a gerontology prerequisite. ACG 2021 and ACG 2071 taken at this university or elsewhere will satisfy accounting prerequisites.

Students interested in either the B.A. or the B.S. option should contact the Department as early as possible in their careers at the University of South Florida.

Requirements for the Minor in Gerontology

An undergraduate minor in Gerontology is available for students interested in pursuing careers in conjunction with any undergraduate major, but it should be particularly beneficial to persons majoring in such disciplines as anthropology, business, communications sciences and disorders, government and international affairs, nursing, psychology, health care, social work, and sociology. Requirements for the minor in Gerontology are a total of 15 hours of the following courses:

Required:
- GEY 2000 Introduction to Gerontology (3)
- GEY 3326 Aging in the 21st Century (3)

Required: Choose 2 of the following 3 courses
- GEY 3601 Physical Changes and Aging (3)
- GEY 3625 Sociocultural Aspects of Aging (3)
- GEY 4612 Psychology of Aging (3)

Electives:
Six additional GEY credit hours.

• GOVERNMENT & INTERNATIONAL AFFAIRS (INT/ POL/ PAD)

The Department of Government and International Affairs includes programs in International Studies, Political Science, and Public Administration. Its goal is to provide students the opportunity to study the nature of government, politics and administration at the local, national and international levels, as well as the interdisciplinary nature of the international system. Towards that end it offers students a choice of two undergraduate degrees, one in International Studies and another in Political Science. The Department of Government and International Affairs provides students with a range of courses of study and areas of concentration, including electives offered through the Public Administration program. For more specific details students are advised to consult the description of each specific program below.

INTERNATIONAL STUDIES (INT)

The major in International Studies enables students to undertake programs of study which emphasize (a) preparation for careers in international activities, or (b) the study of particular international themes or topics, or (c) the study of particular regions or cultures. Each student develops a course of study designed to fulfill his or her career and educational goals in consultation with the International Studies Advisor.

Requirements for the Major in International Studies

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the
university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

While the INT program does not have mandatory prerequisites, a student may apply up to 10 credit hours of lower level courses from the following list: AFSA 2250, Culture and Society in Africa, ANT 2410, Cultural Anthropology; GEA 2000, World Regional Geography; CPO 2002, Comparative Politics; INR 2002, Introduction to International Relations; REL 2300, Introduction to World Religions; or GEB 2350, Doing Business Around the World.

**Upper-level Course Requirements**

The major consists of a minimum of 37 semester hours. At least 18 of these hours (six courses) must be from the International Studies Program offerings. The six required courses are:

- INR 3003 Introduction to International Studies (3)
- INR 3081 International Issues and Actors (3)
- INR 3038 International Wealth and Power - SS (3)
- INR 4936 Senior Seminar - MW (3)

Plus one topical and one area studies course chosen from the INT upper division electives.

It is recommended that the student complete INR 3003 before taking INR 3081.

The additional 19 hours may be selected from elective courses from within the International Studies Program or from course offerings of other departments, which are approved by the major advisor as having adequate international or cross-cultural content.

With the approval of the major advisor, credits earned in INR 4900 (1-3) and INR 4910 (1-3) may be used to augment or substitute for the foregoing requirements. Students are encouraged, but not required, to engage in study abroad programs, a large number of which have been approved by the USF International Affairs Center. Credits earned in such programs apply toward graduation and many also apply to the INT major. A limited number of internships are available to provide students with real-world experience while earning credits in the major.

**Required Supporting Courses**

Students must pass a 2000 level foreign language course (that is, at least one semester of foreign language study beyond the first year introductory courses), or complete one year of study of a non-Western language. Students who are bilingual or who are already conversationally fluent or who can translate with facility from a foreign language text are exempt from the above course requirement, but the INT faculty may require demonstration of proficiency.

Students will be provided with academic advice and counsel about other courses offered throughout the university which may support and complement their major program. INT majors should plan their programs in conjunction with their advisor who is empowered to make appropriate substitutions when educationally justified.

**Requirements for the Minor in International Studies**

The minor in International Studies is a set of International Studies courses taken by a student that approximates one half of the upper level credits required for a major. The minor consists of 18 credit hours made up of six courses as follows:

- INR 3003 Introduction to International Studies (3)
- INR 3081 International Issues and Actors (3)
- INR 3038 International Wealth and Power - SS (3)

Plus 3 upper level courses chosen from the International Studies Program’s offerings.

Each student’s program must be planned with the International Studies Program major advisor, who is empowered to approve appropriate substitutions when educationally justified.

**POLITICAL SCIENCE (POL)**

The undergraduate program leading to the B.A. degree in political science offers a general purpose degree, and a number of more specialized alternatives. The program is designed for students interested in and seeking to understand political problems, issues, and the nature of the political process, as well as the philosophical and legal basis of political structures and processes at local, state, national, and international levels. Satisfying the degree requirements prepares students for positions in the public and private sectors, for law school, for graduate work in political science, international relations, public administration, and related disciplines, for positions in education, and for applied political activity.

**Requirements for the Major in Political Science**

**Prerequisites (State Mandated Common Prerequisites)**

Students should complete any two introductory courses with a POS, INR or CPO prefix (ideally POS 1041 or POS 2041, and POS 1112 or POS 2112) at the lower level prior to entering the university. If these introductory courses are not taken at the community college, they must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

**Suggested courses:**

- Economics (any ECO) (6)
- ENC 1101 English I–Essay Writing (3)
- ENC 1102 English II–Essay Writing (3)
- Foreign Language I (4)
- Foreign Language II (4)
- Geography (any GEO) (3)
- History (any AMH or EUH) (6)
- POS 2112 State and Local Government (3)
- Psychology (any PSY) (3)
- Sociology (any SOC) (3)
- SPC 2600 Public Speaking (3)

**Upper-level Course Requirements**

A minimum of 36 credit hours is required to satisfy the requirements of the major. Students must take the 12 credit hours of required core courses in political science. No more than six credit hours can be taken from POS 4905, POS 4910, and POS 4941. Students enrolled in the Washington, D.C. semester program may have this rule altered by their advisor. (A GPA of 3.0 is required to enroll in these courses; the Chair may grant special exception for students with a GPA between 2.70 and 2.99).

In addition, all Political Science majors are required to take, at least, 3 credit hours of Economics (See your advisor for recommendations).

Students transferring credit hours toward a major in political science must complete a minimum of 21 credit hours within the Department, regardless of the number of credits transferred.

The undergraduate curriculum in political science is composed of the following:

**Required Core Courses (12 cr. hrs.)**

- CPO 2002 (3) or INR 2002 (3)
- POS 2041 (3)
- POT 3003 (3)
- POS 3713 (3)

Note that either CPO 2002 or INR 2002 must be taken as a core course. However, the other course not taken as a core course may be taken as an elective.
Students should complete POT 3003 and POS 3713 by the end of their junior year. Students transferring with 45 credit hours or more must complete these courses within their first two semesters in residence at USF. A grade of “C” or better is required in all core courses.

Students must choose electives from the seven fields (24 cr. hrs.) with at least one course from Field I, one course from Field II or III, and one course from any of Fields IV, V, VI, or VII. Core courses must be completed before a course from a given field or field grouping can be taken.

Field I  Political Theory
POT 3013 (3)  POT 4064 (3)  POT 5626 (3)
POT 4054 (3)  POT 4204 (3)

Field II  Comparative Government and Politics
CPO 4034 (3)  CPO 4930 (3)  CPO 5934 (3)

Field III  International Relations
INR 3102 (3)  INR 3370 (3)  INR 4403 (3)
INR 3038 (3)  INR 4035 (3)  INR 4502 (3)
INR 3336 (3)  INR 4254 (3)  INR 4334 (3)
INR 5086 (3)

Field IV  American National and State Governments
POS 2080 (3)  POS 3273 (3)  POS 4413 (3)
POS 2112 (3)  POS 3453 (3)  POS 4424 (3)
POS 3173 (3)  POS 4204 (3)  POS 5094 (3)
POS 3182 (3)  PUP 4323 (3)

Field V  Urban Government and Politics
POU 3142 (3)  POU 4165 (3)  URP 4050 (3)
POU 3145 (3)  POS 5155 (3)  PUP 4534 (3)

Field VI  Public Policy
INR 3102 (3)  INR 4334 (3)  POS 3145 (3)
PUP 4002 (3)  PUP 4007 (3)  PUP 4203 (3)
PUP 4323 (3)  PUP 4534 (3)  PUP 5607 (3)
URP 4050 (3)

Field VII  Law and Politics
INR 4403 (3)  POS 3891 (3)  POS 4624 (3)
POS 3283 (3)  POS 4614 (3)  POS 4693 (3)
POS 4694 (3)

Requirements for the Minor in Political Science
A minor in political science requires the completion of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POT 3003. An additional 12 credit hours of courses included in the Political Science major are also required.

Students transferring credit hours toward a minor in political science must complete 12 credit hours within the Department, regardless of the number of credit hours transferred.

FIELDWORK
The Department of Political Science has a field work program that provides students with part-time internships with state and local government and with political parties at the state and local level. Academic credit is available for such internships. For further information, contact the Department of Government and International Affairs.

HONORS IN POLITICAL SCIENCE
The Honors Program in Political Science is designed for the outstanding undergraduate who seeks an intensive learning experience plus academic recognition during the senior year.

Eligibility:
Political Science majors with a 3.5 grade point average in political science courses and a 3.0 overall average will be invited to participate in the honors program.

Requirements:
Students who participate must complete the Honors seminar with a grade of “B” or better and must write an Honors Thesis, POS 4970 (3). The Honors Thesis must meet the following criteria:

a) a thesis proposal must be approved by the student’s major professor before s/he begins writing;
b) students need two academic advisors who must approve the final version of the thesis;
c) students will publicly present their thesis and provide a copy of it to the department after the final draft has been approved;
d) the thesis must be at least 50 pages long, contain an abstract, table of contents, bibliography and footnotes/endnotes;
e) all theses are due during the last week of classes for the semester in which the student is currently enrolled.

Requirements for the Pre-Law Plan in Political Science
The Political Science Program offers a pre-law plan designed for the undergraduate students who are considering a career in law (Courses in Law and Politics are listed under Field VII of the Political Science undergraduate curriculum). The courses making up the field are of particular interest to law-oriented students, but may be taken by others as well. Majors are required to complete courses that can help them develop necessary skills to study law. Students receive the skills and information needed for entry into a number of law-related positions in business and government. Please see the departmental pre-law advisor to obtain more information about the pre-law plan.

Prior to admission to law school, a student must take the Law School Admission Test (LSAT), as given by the Educational Testing Service of Princeton, New Jersey.

The Law School Admission Test is given simultaneously several times each year at the University of South Florida and numerous other testing centers throughout the state. Students should plan to take the test at least one year prior to planned enrollment in law school. Additional information is available from the Department of Government and International Affairs, University of South Florida.

Recommended Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

AMH 2010 American History I (3)
AMH 2020 American History II (3)
ENC 3310 English--Essay Writing (3)
EUH 1000 World Civilization I (3)
EUH 1101 World Civilization II (3)
POS 2112 State and Local Government (3)
SPC 2600 Public Speaking (3)
International Affairs Focus in Political Science

The area of Political Science offers a number of courses that prepare students for graduate study in International Relations and career opportunities in private or public transnational organizations.

Basic courses in the area include:
- INR 2002 Introduction to International Relations
- CPO 2002 Introduction to Comparative Politics
- INR 3102 American Foreign Policy

In addition, Political Science offers the following upper-level courses:
- CPO 4034 Politics of Developing Areas
- CPO 4930 Comparative Politics of Selected Areas
- INR 4334 Defense Policy
- INR 4035 International Political Economy
- INR 4403 International Law
- INR 4502 International Organizations
- CPO 5934 Selected Topics in Comparative Politics
- INR 5086 Issues in International Relations

Students desiring careers in international affairs or international administration are encouraged to supplement these courses with courses offered in International Studies, Management, Economics, Business Administration, Foreign Languages, and Public Administration.

Public Administration (PAD)

The Public Administration Program offers courses that serve as electives for undergraduate students. Completion of these courses will benefit those students preparing for a career in local, state, or federal agencies of government, non-profit organizations, and special service districts and/or graduate work in public administration and related fields. The courses listed below may be taken for undergraduate credit. Please note that the 5000-level courses listed are available to seniors and graduate students only.

- PAD 3003 Introduction to Public Administration
- PAD 4204 Public Financial Administration
- PAD 5035 Issues in Public Administration and Public Policy
- PAD 5333 Concepts and Issues in Public Planning
- PAD 5605 Administrative Law and Regulation
- PAD 5700 Research Methods in Public Administration
- PAD 5807 Administration of Urban Affairs
- PAD 5836 Comparative Public Administration

An undergraduate minor in Public Administration has recently been approved. New undergraduate Public Administration courses are in the proposal stage.

For further information, please contact the Public Administration Program.

- HISTORY (HTY)

The discipline of history embraces a world of ideas, peoples, and events. Our faculty seek to inform and question, to provoke, and to challenge our students to a higher level of understanding of the past. History at South Florida offers the student an opportunity to explore civilizations from around the globe and from the ancient through contemporary eras. We encourage diversification. Our faculty endeavor to move students beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis.

Requirements for the Major in History

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete two lower level introductory history courses from the list below to meet prerequisites for the major during the program of study at the community college and, when feasible, in General Education/Gordon Rule courses. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Western or World Civilization I, II
American History I, II
Latin American History I, II

Upper-level Course Requirements for the Major

A minimum of 32 semester hours is required for a major in history. Twelve hours of lower division courses, or their equivalents, constitute the lower level requirements. At least 12 hours of course work must be drawn from the 3000-4000 level in addition to HIS 4104 and 4936, which constitute the upper level requirements for the degree. A minimum grade of "C" or better must be attained in each course counted for the 32 hours of history. Grades of "D" or "F" in history coursework will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. It is recommended that history majors take ENC 3310, "Advanced Expository Writing," SPC 2600, "Public Speaking," LIS 2001, "Library and Information Skills," and computer service courses. Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Sociology, Women's Studies, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language. Open University courses are not eligible for major field credit.

Requirements for the Minor

The minor in History entails a 15-hour program organized and contracted by the student and the department around the specific needs of the student’s major program. A minimum of 8 hours must be completed at the University of South Florida and the student must maintain a 2.0 GPA in the minor. A minimum grade of "C" or better must be attained in each course. Only one lower-level sequence counts, earning 4 credit hours. The department will supervise certification of the minor. Students interested in a minor in history are encouraged to see the History department advisor as early as their undergraduate program as possible. Open University courses are not eligible for minor field credit.

- HUMANITIES & AMERICAN STUDIES (HUM/AMS)

The Department of Humanities and American Studies offers students a choice of two undergraduate degrees, one in Humanities and one in American Studies. Students may also minor in each area. For more specific details, students are advised to consult the description of each specific program below.

HUMANITIES (HUM)

The Humanities Program offers an interdisciplinary curriculum that investigates the visual arts, music, literature, and the cultures from which they emerge.
Requirements for the Major in Humanities

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ENC 1101 Composition I (3)
ENC 1102 Composition II (3)
Humanities (HUM 2000-level courses) (6)
Creative Writing courses (CRW courses) (3-6)
Introductory courses in applied and non-applied Fine Arts (ART, MUS) (6)
Literature in Translation (RUT, CLT courses) (3-6)
Social Science (AMH, EUH courses) (6)

Course Requirements for the Humanities Major

1. HUM 2211 (Studies in Culture: the Ancient through the Medieval Periods) and HUM 2243 (Studies in Culture: the Renaissance through the Twentieth Century), six credit hours
2. 22 credits of upper-level Humanities courses (3000 or 4000 level)
3. HUM 4931 (Seminar in Humanities), four credit hours; offered only in fall semester.
4. Two or more classes in the creative or performing arts, either lower or upper level, totaling at least four semester hours.
5. Majors must earn a "C" or better in all Humanities courses.

Requirements for the Minor in Humanities

The curriculum for the Humanities minor is comparable to that of the program for the B.A. degree, but it is less comprehensive. Course requirements are as follows:
1. Eighteen semester hours of Humanities courses.
2. Not over eight of these eighteen hours may be taken below the 3000 level.

AMERICAN STUDIES (AMS)

The American Studies major is designed for students who seek to understand the cultural patterns, beliefs and values that have unified and sometimes divided Americans. American Studies is an interdisciplinary program that emphasizes the diversity of American people and institutions; the importance of gender, race, ethnicity and social class; the material and technological foundations of American society; the development of distinctive regions within the United States; and creative expression in art, architecture, film, literature, music and photography.

Requirements for the Major in American Studies

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

AMH 2010 American History I (3)
AMH 2020 American History II (3)
ENC 1101 Composition I (3)
ENC 1102 Composition II (3)
POS 2041 American National Government (3)

Course Requirements for the American Studies Major

36 credit hours, distributed as follows:
1. One 2000-level survey course, either AMS 2201 (Colonial American Culture), AMS 2212 (Nineteenth-Century American Culture) or AMS 2270 (Twentieth-Century American Culture). 3 credits.
2. AMS 2030 (Introduction to American Studies) 3 credits
3. One additional 3000-level period course (e.g. AMS 3230, AMS 3001, AMS 3260). 4 credits.
4. One 3000- or 4000-level regions or genre course (e.g. AMS 3210, AMS 3801, AMS 4152). 3 or 4 credits.
5. AMS 4804 (Major Ideas in America). 3 credits.
6. One 4000-level Research Seminar (AMS 4935 or AMS 4936). 4 credits.
7. 6 additional AMS credit hours.
8. 9-10 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

Requirements for the Minor in American Studies

18 credit hours distributed as follows:
1. One 2000-level survey course (AMS 2201, AMS 2212, AMS 2270). 3 credits.
2. AMS 2030 (Introduction to American Studies). 3 credits.
3. 6 additional AMS credit hours.
4. 6 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

• INTERDISCIPLINARY NATURAL SCIENCES (INS)

The Interdisciplinary Natural Science degrees serve the academic and career goals of undergraduate students who seek a broad education in the Natural Sciences (Biology, Chemistry, Physics, Mathematics, Geology). There are two Interdisciplinary Natural Science degrees, the Interdisciplinary Natural Science degree (INS) which encompasses all five natural science disciplines and the Interdisciplinary Natural Science degree, Health Professions track (INH) specializing in the science courses for the health professions.

For information on teacher certification in science or mathematics, prospective teachers should consult the section entitled Teacher Education Programs and also consult the College of Education section of the catalog.

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses re-
required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

Students are encouraged to complete as many of the following courses as possible, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Biology I and Biology II
(BSC 2010, 2010L, BSC 2011, 2011L) 8

Calculus
(MAC 2233, MAC 2234 or MAC 2311, MAC 2312) 6-8

General Chemistry
(CHM 2041, CHM 2045L, CHM 2046, CHM 2046L) 8

Organic Chemistry
(CHM2210, CHM2210L, CHM2211, CHM2211L) 8

General Physics
(PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L) 8

Introduction to Physical Geology and History of the Earth and Life
(GLY 2010, GLY 2015L, GLY 2100, GLY 2100L) 8

Requirements for the Major in Interdisciplinary Natural Sciences

Coursework required for Interdisciplinary Natural Science majors:

**TIER 1**

Two introductory courses in each of 5 natural sciences areas (Math, Physics, Chemistry, Biology, Geology) totaling 40 hours:

Calculus I and II
(MAC 2233, 2234 or MAC 2311, 2312 or MAC 2281, 2282)
(STA 2023 could be substituted for Calculus II)

Biology I and II
(BSC 2010, 2010L and BSC 2011, 2011L)

General Chemistry I and II
(CHM 2045, 2045L and CHM 2046, 2046L)

Geology I and II
(GLY 2010, 2015L and GLY 2100, 2100L)

Physics I and II
(PHY 2053, 2053L, 2054, 2054L, or PHY 2048, 2048L, 2049, 2049L)

**TIER 2**

At least 8 hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas, totaling 24 hours. All Tier 2 courses in the sciences will be selected by the individual student, but must be chosen from the list of courses approved for department Major credit.

Residency
At least 12 of the 24 hours at Tier 2 must be taken at USF.

Requirements for the Major in Interdisciplinary Natural Sciences,

Health Professions Track

The Interdisciplinary Natural Science Degree Health Professions track (INH) is designed to fulfill the major requirements for many professional schools in the Health Sciences (e.g. Medicine, Veterinary Medicine, Dentistry). Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. For the INH track, students must complete a minimum of 68 credit hours in natural sciences with a C- or higher in all required courses for the Major.

**Required Natural Science Courses:**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology:</td>
</tr>
<tr>
<td>BSC 2010 Biology I - Cellular Processes (3)</td>
</tr>
<tr>
<td>BSC 2010L Biology I Lab (1)</td>
</tr>
<tr>
<td>BSC 2011 Biology II - Diversity (3)</td>
</tr>
<tr>
<td>BSC 2011L Biology II Lab (1)</td>
</tr>
<tr>
<td>MCB 3033C General Microbiology (4)</td>
</tr>
<tr>
<td>BSC 2093 Human Anatomy and Physiology II* (3)</td>
</tr>
<tr>
<td>BSC 2094 Human Anatomy and Physiology II* (3)</td>
</tr>
<tr>
<td>Chemistry:</td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I (3)</td>
</tr>
<tr>
<td>CHM 2045L General Chemistry I Lab (1)</td>
</tr>
<tr>
<td>CHM 2046 General Chemistry II (3)</td>
</tr>
<tr>
<td>CHM 2046L General Chemistry II Lab (1)</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I (3)</td>
</tr>
<tr>
<td>CHM 2210L Organic Chemistry I Lab (1)</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II (3)</td>
</tr>
<tr>
<td>CHM 2211L Organic Chemistry II Lab (1)</td>
</tr>
<tr>
<td>or CHM 3120C Elementary Analytical Chemistry (4)</td>
</tr>
<tr>
<td>BCH 3023 Introductory Biochemistry (3)</td>
</tr>
<tr>
<td>or CHS 4300 Fundamentals of Clinical Chemistry (3)</td>
</tr>
<tr>
<td>Mathematics:</td>
</tr>
<tr>
<td>MAC 2233 Life Sciences Calculus I (4)</td>
</tr>
<tr>
<td>MAC 2234 Life Sciences Calculus II (4)</td>
</tr>
<tr>
<td>or STA 2023 Introductory Statistics (4)</td>
</tr>
</tbody>
</table>

**Required Biology Electives:**

Minimum of 6 credit hours in TWO of the following courses. One course must be with lab. Select from the following courses, noting prerequisites where applicable:

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4115 Determinative Bacteriology (5)</td>
</tr>
<tr>
<td>MCB 4404 Microbial Physiology and Genetics (4)</td>
</tr>
<tr>
<td>MCB 4404L Microbial Physiology and Genetics Lab (1)</td>
</tr>
<tr>
<td>MCB 5815 Medical Mycology (3)</td>
</tr>
<tr>
<td>MCB 4502 Virology (3)</td>
</tr>
<tr>
<td>PCB 3023 Cell Biology (3)</td>
</tr>
<tr>
<td>PCB 3023L Cell Biology Lab (1)</td>
</tr>
<tr>
<td>PCB 3063 General Genetics (3)</td>
</tr>
<tr>
<td>PCB 3063L Genetics Lab (1)</td>
</tr>
<tr>
<td>PCB 4064C Experimental Genetics (3)</td>
</tr>
<tr>
<td>PCB 5235 Principles of Immunology (3)</td>
</tr>
<tr>
<td>or PCH 6511 Tropical Health Immunology (3)</td>
</tr>
<tr>
<td>ZOO 4753C Histology (3)</td>
</tr>
</tbody>
</table>

**Required Natural Science Electives:**

Minimum of 7 credit hours in Biology, Chemistry, or Physics. Select from the following list, noting prerequisites where applicable, and not duplicating courses used to meet the above requirements:

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>BCH 3023 Biochemistry (3)</td>
</tr>
<tr>
<td>BCH 3023L Biochemistry Lab (1)</td>
</tr>
<tr>
<td>BCH 4034 Advanced Biochemistry (3)</td>
</tr>
</tbody>
</table>
CHM 3120C Elem. Analytical Chemistry (4)
CHS 4300C Clinic P Chemistry (3)
CHS 4301L Clinical Chemistry Lab (2)
HSC 4203 Introduction to Public Health (3)
HSC 4554 Survey of Human Disease (3)
MCB 4115C Determinative Bacteriology (5)
MCB 4404 Microbial Phys/Genetics (4)
MCB 4404L Microbial Phys/Genetics Lab (1)
MCB 4502 Virolgy (3)
MCB 5206 Pub. Health/Pathogenic Micro (3)
MCI 3023 Cell Biology (3)
PCB 3023L Cell Biology Lab (1)
PCB 3063 General Genetics (3)
PCB 3063L General Genetics Lab (1)
PCB 4064 Experimental Genetics (3)
PCB 4723 Animal Physiology (3)
PCB 4723L Animal Physiology Lab (1)
PHY 2053 Physics I (3)
PHY 2053L Physics I Lab (1)
PHY 2054 Physics II (3)
PHY 2054L Physics II Lab (1)
ZOO 4753C Histology (4)

*NOTE: Students may substitute General Physics I and II
(PHY 2053, PHY 2053L, PHY 2054, PHY 2054L) for BSC 2093, BSC 2094 (Human Anatomy and Physiology).

At least 12 hours of upper division science courses must be completed as USF.

- **INTERDISCIPLINARY SOCIAL SCIENCES (ISS)**

The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

In addition to classes at the Tampa and regional campuses, students have the option of attending USF classes in the Interdisciplinary Social Sciences program at either the St. Petersburg Education/College campus in Clearwater or the Pasco-Hernando Community College campus. For information about Clearwater classes, call (727) 424-8430 or (813) 974-4873, and for USF classes at Pasco-Hernando Community College, call (727) 424-8431 or (813) 974-9056.

Specific requirements for a B.A. degree in Interdisciplinary Social Sciences (ISS) are outlined below:

**Recommended Prerequisites (State Mandated Common Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements by transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

*There are no State Mandated Common Prerequisites for the ISS degree program.*

Some of the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses, could count toward the ISS degree. A grade of “C” is the minimum acceptable grade.

- AFA 2000 Black Experience (3)
- AMH 2010 or 2020 American History (3)
- ANT 2000 Introduction to Anthopology (3)
- ECO 2013 Economic Principles (Microeconomics) (3)
- ECO 2023 Economic Principles (Microeconomics) (3)
- GEA 2000 World Geography (4)
- POS 2041 National Government (3)
- or
- POS 2112 State and Local Government (3)
- SYG 2000 Introduction to Sociology (3)
- WST 3015 Women’s Studies (3)

**Upper-level Coursework required for Interdisciplinary Social Sciences Majors**

1. **Required core courses for the major are:**
   - ISS 3010 Introduction to Social Sciences (3)
   - ISS 4935 Seminar in the Social Sciences - MW (3)
   - STA 2122 Social Sciences Statistics - 6A QM (3)

2. The ISS student chooses between two cognate areas and completes twelve hours in each. Twenty available cognates (listed below) range from Africana Studies to Criminal Justice, Sociology, and Women’s Studies. In addition, three special electives emphasize cultural diversity.

3. Students should work out a program of study at the onset of their junior year, particularly before too many courses are completed in the College of Arts and Sciences. **No student should assume that courses already completed in CAS will automatically count toward the ISS degree.**

4. The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.

5. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.

6. ISS majors must satisfy two semesters of a foreign language in order to graduate.

7. Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.2, developed with the approval of the advisor. This course of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

**No transfers with grades of "D" are acceptable for credit in the ISS major.**

**COGNATE AREAS - Students select two areas and take 12 hours in each. Cognates must be selected from the areas of study listed below:**

- AFA, ANT, CCJ, ECN, EVR, GEY, GPY, HTY, HUM, HUN, INT, ITT, LAS, LSH, PAD, POL, PSY, SOC, SOW, and WST.

**INTERDISCIPLINARY CORE COURSES**

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human life and experience; the various concepts, theories and methods used in the social sciences; and apply them to contemporary issues and questions. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

- **LANGUAGES AND LINGUISTICS**

The Department of World Language Education offers students several undergraduate degrees. Although a baccalaureate degree is not offered in Linguistics, a minor is available to students. Comprehensive information about these programs is listed below.

**CLASSICS (CLS)**

Major programs leading to the Bachelor of Arts degree are offered in Classics and Interdisciplinary Classical Civilizations. These programs are designed to meet the needs of students who desire competence in Latin and/or Greek and a broad understanding of ancient culture and literature. The
majors are of particular interest to students who wish to teach the languages, to those who plan graduate study in a humanistic discipline, and to those who want an undergraduate major which focuses on the ancient civilizations which are the cornerstone of the Western tradition.

Requirements for the Major in Classics
Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

To complete a major in Classics, students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

Upper-Level Coursework for the Classics Major
The Major in Classics requires 10 courses, earning a minimum of 30 credit hours. Of those courses, a minimum of 4 courses must consist of language courses in Latin (LAT or LNW) or in Greek (GRE and GRW), which must include or presuppose LAT 2200 or GRE 2200. The remaining 6 courses are to be chosen from a list of approved courses with the advice of the Classics advisor.

Requirements for the Minor in Classics
The Minor in Classics consists of 6 courses earning a minimum of 18 credit hours. Of those courses, a minimum of 2 courses must consist of language courses in Latin (LAT and LNW) or in Greek (GRE and GRW). The remaining 4 courses are to be chosen from a list of approved courses with the advice of the Classics advisor.

HONORS PROGRAM
Admissions Criteria
1. Senior status.
2. Completion of the “core” courses required for a major in the Department with a GPA above 3.5.
3. An overall GPA above 3.3.
4. Two letters of recommendation from departmental faculty followed by departmental approval.

Dismissal Procedures
The student must maintain a Departmental GPA of 3.5, must submit the Honors Thesis on time, and must pass the scheduled Departmental Honors Examination. Otherwise, the candidate receives no Honors.

Requirements for Completion of Departmental Honors:
1. Completion of requirements for a major in the Department with a GPA above 3.5 and an overall GPA of 3.3 or above.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. A grade of “A” on a sight translation from a Latin or Greek author.
4. Successful completion of an upper-level Greek or Latin course designated as an Honors Seminar.

Requirements for the Major in Interdisciplinary Classical Civilizations (ICC)
Interdisciplinary Classical Civilizations is a broad-based area study encompassing the literature, history, linguistics, art and archaeology, philosophy, and religion of Greece, Rome and the Near East from pre-history to late antiquity. For centuries, the study of these vibrant societies has been recognized as essential to a proper understanding of our own culture and, recently, there has been a renewed recognition of the skills such study develops.

All students wishing to enroll in the ICC major must schedule an appointment with the Coordinator of Interdisciplinary Classical Civilizations in order to develop a program of study. Students will be urged to fulfill their General Education and University Exit Requirements, whenever possible, from courses taught within the Classical Civilizations Program. Courses that are applied toward the Gen. Ed. or “Core” Requirements cannot be utilized more than once. The BA language requirement should be fulfilled by the two-semester sequence in either Greek or Latin (GRE 1120 & 1121 or LAT 1120 & 1121).

The ICC Major can be fulfilled one of two ways:
A. The ICC Major (33 hours minimum) is intended for students who wish to become familiar with aspects of the Classical heritage of Western Civilization.
B. The ICC Major with Honors (39 hours minimum) is intended for students who wish to continue their studies beyond the undergraduate level and includes a thesis (3 hrs.). The student must also maintain a 3.5 GPA within the major and a 3.3 overall GPA.

A. Requirements of the ICC Major (33 hours minimum)
   1. 12 hrs. from the ICC “Core”
      CLA 3103 Greek Civilization (3)
      or
      CLT 3101 Greek Literature in Translation (3)
   2. 18 hrs. (minimum) from the ICC “Fields.”
      Two (2) courses from an approved list of 2000 to 3000 level courses in Anthropology, Classics, History, Philosophy, or Religious Studies
      Four (4) courses from an approved list of 3000 to 4000 level courses in Anthropology, Classics, History, Philosophy, or Religious Studies
      3. 3-4 hrs. from an approved list of 4000 level Exit Requirement courses in Anthropology, Classics, History, Philosophy, or Religious Studies

B. Requirements of the ICC Major with Honors (39 hours minimum):
   1. 12 hrs. from the ICC “Core”
      CLA 31043 Greek Civilization (3)
      or
      CLT 3101 Greek Literature in Translation (3)
CLAO 3123 Roman Civilization (3)
   or
CLT 3102 Roman Literature in Translation (3)
   or
HIS 3930 Classical Archaeology (3)
   or
ANT 3101 Archaeology (3)
   or
REL 3280 Biblical Archaeology (3)
   or
CLT 3330 Classical Mythology (3)
2. 12 hrs. beyond the BA Language Requirement in either Greek or Latin.
   Competence in one or two ancient languages for 5 semesters of coursework is required. Courses must be taken with the approval of the Coordinator.
3. 12-16 hrs. from the Major Field Requirements.
   Major Fields are currently defined in Ancient History, Philosophy and Religious Studies. The student will select four courses in the Major Field area with the approval of the Coordinator. The student must take at least one exit level course in the Major Field he/she chooses.
4. 3 hrs. of Faculty Mentored Research.
   The student will complete a research project under the direction of a faculty committee composed of a faculty mentor and at least two additional faculty members. The project is intended to produce a substantial research paper that can serve as a writing sample when the student applies for advanced graduate study.
5. Maintenance of a 3.5 GPA within the major and a 3.3 overall GPA.

Requirements for the Minor in Interdisciplinary Classical Civilizations (ICC)
The ICC Minor (15 hours minimum) can be fulfilled in one of two ways:
A. Courses are divided by level, with the “field” of study unrestricted.
   1. Two courses (6 hrs.) from the ICC Minor “Core”
      Either
      - CLA 3103 Greek Civilization (3)
      or
      - CLT 3101 Greek Literature in Translation (3)
      - CLA 3123 Roman Civilization (3)
      or
      - CLT 3102 Roman Literature in Translation (3)
      - CLT 3330 Classical Mythology (3)
   2. 3-4 hrs. from 2000-3000 level courses in Anthropology, History, Philosophy and Religious Studies selected with the guidance and approval of the Coordinator.
   3. 6-8 hrs. from 3000-4000 level courses in Anthropology, History, Philosophy and Religious Studies selected with the guidance and approval of the Coordinator.
B. Courses are organized along an interdisciplinary principle.
   1. Two courses (6 hrs.) from the ICC Minor “Core”
      Either
      - CLA 3103 Greek Civilization (3)
      or
      - CLT 3101 Greek Literature in Translation (3)

2. 9-12 hrs. from the Interdisciplinary Requirements. The student will complete three 3-4 credit courses, one each from three of the following four fields: (1) Anthropology, (2) History, (3) Philosophy, (4) Religious Studies. Courses are chosen with the guidance and approval of the Coordinator from the list certified for the major.

LINGUISTICS (LIN)
Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. Although no baccalaureate degree is offered, the minor in linguistics may provide a broader educational experience for students majoring in adjacent arts and sciences such as Anthropology, Communication, Communication Sciences and Disorders, English, Foreign Languages, Philosophy, Psychology, Sociology, and others.

Requirements for the Minor in Linguistics
The minor in Linguistics requires a minimum of 18 semester hours as follows:
LIN 3010 (3)
Plus 15 semester hours from the following:
   ANT 3610 (3)    CLT 3040 (3)    DEP 4135 (3)
   EXP 4640 (3)    LIN 3801(3)    LIN 4040 (3)
   LIN 4600 (3)    LIN 4671 (3)    LIN 4671 (3)
   SPA 3004 (3)    SPA 3112 (3)    SPC 3210 (3)
   SPC 3212 (3)    SPC 3712 (3)

MODERN LANGUAGES (FRE/GER/GRK/ITA/RUS/SPA)
Foreign Language major programs are designed to meet the needs of students who desire competency in a language and an expanded understanding of its culture and literature. They are of particular interest to students who wish to teach languages, those who plan to further their studies in graduate school, and those who seek careers in various types of foreign or foreign-related employment, either in government or business.
Major programs leading to the bachelor of arts degree are offered in French, German, Italian, Russian, and Spanish. All major programs in foreign language require a total of 32 hours of coursework above the intermediate level. French and Spanish majors with an International Studies and Business Concentration require a total of 63 hours of coursework distributed in the three areas.
The following languages may also be taken as a minor: French, German, Italian, Latin, Modern Greek, Russian, and Spanish. The minor consists of 15 hours of course work in French and Spanish above the second-year level, and 16 hours in the other languages except for the less commonly taught languages. In order to begin taking courses for the minor, the student will have satisfactorily completed the intermediate level or have equivalent proficiency in the foreign language. Instruction in less commonly taught languages may be available upon sufficient demand.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.
The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- **ECN 1101** English I 
  (3)
- **ECN 1102** English II 
  (3)
- **Social Science (any HIS, SOC, ANT, etc.)** 
  (6)
- **Humanities (any HUM)** 
  (6)
- Beginning and Intermediate "Target Language" 
  (1120, 1121, and 2200) 
  (14-19)

**Upper-level Coursework Required for Each of the Following Modern Language Majors**

- **FRENCH (FRE)**
  
  **Required courses for the major (15 cr. hrs.)**
  - FRE 2320 (3)
  - FREW 4100 (3)
  - FRE 2240 (3)
  - FRW 4101 (3)
  - FRE 3420 (3)

  **Supporting courses required for the major**
  - 17 hours in 3000, 4000, or 5000 level courses planned with the advisor.
  **Required courses for the minor (6 cr. hrs.)**
  - FRE 2240 (3)
  - FRE 3420 (3)

- **FRENCH (FRE) WITH AN INTERNATIONAL STUDIES AND BUSINESS CONCENTRATION**
  
  **Required courses in French for the major (15 cr. hrs.)**
  - FRE 2240 (3)
  - FRE 3420 (3)
  - FRE 3500 (3)

  **Supporting courses in French required for the major (9 cr. hrs.)**
  - Choose from the list below:
    - FRE 4421 (3)
    - FRE 4700 (3)
    - FRE 4930 French for Business II (3)
    - FRE 4930 French Phonetics (3)
    - FRE 5425 (3)
    - FRE 5566 (3)
    - FRW 4100 (3)
    - FRW 4101 (3)

  **Required courses in International Studies (9 cr. hrs.)**
  - CPO 2002 (3)
  - EUS 3000 (3)
  - CPO 4930 Comparative Government & Politics (3)

  **Required courses in Business (18 cr. hrs.)**
  - AGC 3074 (3)
  - ECO 1000 (3)
  - MAN 3025 (3)
  - MAR 3023 (3)
  - FIN 3403 (3)

  **Supporting courses in Business for the major (6 cr. hrs.)**
  - Choose any 2 upper-level international business courses.
  - Required overseas study courses &/or area studies courses (6 cr. hrs.)
  - Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.

- **GERMAN (GER)**
  
  **Requirements for the major (14 cr. hrs.)**
  - GER 2240 (3)
  - GEW 4100 (4)
  - GER 3420 (3)

  **Supporting courses required for the major**
  - 18 hours in 3000, 4000, or 5000 level courses, including approved courses in related disciplines, planned with the advisor.

- **ITALIAN (ITA)**
  
  **Required courses for the major (15 cr. hrs.)**
  - ITA 2240 (4)
  - ITW 4100 (4)
  - ITA 3420 (3)

  **Supporting courses required for the major**
  - 18 hours in 3000 or 4000 level courses planned with the advisor.

- **RUSSIAN (RUS)**
  
  **Required courses for the major (14 cr. hrs.)**
  - RUS 3240 (4)
  - RUS 4241 (4)

  **Required courses for the minor (6 cr. hrs.)**
  - SPN 3300 (3)
  - SPN 4340 (3)

  **Required courses in Business (18 cr. hrs.)**
  - AGC 3074 (3)
  - ECO 1000 (3)
  - MAN 3025 (3)
  - MAR 3023 (3)
  - FIN 3403 (3)

  **Supporting courses in Business for the major (6 cr. hrs.)**
  - Choose any 2 upper-level international business courses.

  **Required courses for the minor (6 cr. hrs.)**
  - GER 2240 (3)
  - GER 3420 (3)

  **Supporting courses required for the minor**
  - 10 hours in 3000, 4000, or 5000 level courses except courses in translation.

  **MODERN GREEK (GRK)**

  **Required courses for the minor (16 cr. hrs.)**
  - GRK 2200 (4)
  - GRK 2201 (4)

  **ITALIAN (ITA)**

  **Required courses for the major (15 cr. hrs.)**
  - ITA 2240 (4)
  - ITW 4100 (4)

  **Supporting courses required for the major**
  - 18 hours in 3000 or 4000 level courses planned with the advisor.

  **RUSSIAN (RUS)**

  **Required courses for the major (14 cr. hrs.)**
  - RUS 3240 (4)
  - RUS 4241 (4)

  **Required courses for the minor (7 cr. hrs.)**
  - ITA 2240 (4)

  **SPANISH (SPA)**

  **Required courses for the major (15 cr. hrs.)**
  - SPN 3300 (3)
  - SPN 4301 (3)
  - SPW 4100 (3)

  **Required courses for the minor (12 cr. hrs.)**
  - SPN 3300 (3)
  - SPN 4301 (3)

  **Required courses in Business (18 cr. hrs.)**
  - AGC 3074 (3)
  - ECO 1000 (3)
  - MAN 3025 (3)
  - MAR 3023 (3)

  **Supporting courses in Business for the major (6 cr. hrs.)**
  - Choose any 2 upper-level international business courses.

  **Required courses for the minor (6 cr. hrs.)**
  - Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.


***LIBERAL STUDIES (ALA)***

The Liberal Studies Degree fulfills the intent of the traditional Liberal Arts Degree and is for students who want a broad academic background to realize their academic or career goals.

**Recommended Prerequisites (State Mandated Common Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at their community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

**Program Admission Procedure and Upper-level Course Requirements:** Students must apply for admission to the program separately from applying to the university. To apply for the Liberal Studies Program, students must (1) have completed a minimum of 20 and no more than 80 semester hours, (2) have a minimum overall grade point average of 3.00 at the time of admission, and (3) submit a written proposal and program of study, explaining the student's special academic circumstances and goals for which this major is appropriate. This proposal must be approved by a faculty committee of three professors (Chair to be selected by the student) to be assembled by the student and the Director of the Major who is located in the Dean's Office. The student must complete the General Education Requirements (and all other university requirements), and a minimum of 4 semesters of one foreign language. The remaining hours will be devoted to interdisciplinary study in the College of Arts and Sciences. Ideally, the hours will include courses in the social sciences, humanities, and natural sciences. In the student's last semester, the faculty committee must approve a senior paper.

For information, contact the Associate Dean for Academic Affairs in SOC 102.

***LIBRARY AND INFORMATION SCIENCE (LIS)***

The School of Library and Information Science offers undergraduate classes to meet a wide range of information literacy needs in support of the university’s academic programs. The courses provide the understanding and skills needed to access essential information resources in an increasingly information-driven, technological world, whether in support of scholarship in academic disciplines or the occupational demands of society.

Students are able to take a variety of classes that will prepare them to access and evaluate these information resources. Topics taught in these courses include using the Internet to answer educational and research needs; designing and creating web pages; efficiently finding and using the information resources of the modern, and increasingly electronic library.

The School’s faculty will counsel those undergraduates interested in graduate study in librarianship. The American Library Association accredits the Library and Information Science Master's program, and graduates are prepared for professional positions in all types of libraries, media centers, and information agencies. The Library and Information Science program at the University of South Florida meets the Florida State Board of Education requirements for certification as an Educational Media Specialist (grades K-12).

For more information, visit our web site at http://www.cas.usf.edu/lis.

***MASS COMMUNICATIONS (COM)***

The School of Mass Communications, accredited by the Accrediting Council on Education in Journalism and Mass Communications, offers approximately 70 courses varying in content from the highly technical and field-specialized in some cases to an essentially liberal arts orientation in others. The program introduces students to the theories, principles, and problems of communications, emphasizing the concept of freedom of information as the cornerstone of constitutional democracy and preparing students for future leadership roles in communications media. Graduates should understand the structure and functions of mass media systems as well as the basic processes of communication. In addition, students specialize in an area of mass communications (advertising, journalism, public relations, or telecommunications) to blend a strong introduction to professional skills with the theoretical orientation.

 Majors seeking careers in the mass media will be directed to the various media in close contact with the School for summer internships, practica and part-time work. A limited number of students will have the opportunity to serve as interns with a mass communications organization and take MMC 4945 for three hours credit. See MMC 4945 in catalog course listings. Students may not receive credit for both an internship (MMC 4945) and a practicum (ADV 4944, JOU 3940, JOU 4941, JOU 4944, PUR 4700, RTV 3941, RTV 4942, VIC 3943).

**Requirements for the Major in Mass Communications**

To be admitted to the core curriculum in Mass Communications, students must have completed general education requirements including a minimum of 45 hours with a 2.7 minimum Overall Grade Point Average, and ENC 1101 and 1102 with a minimum grade of "C" in each. Applicants must establish a minimum score of 60 percent on the Mass Communications English Diagnostic Test prior to entering MMC 2100 (Writing for Media). (Students who transfer MMC 2100 or its equivalent must pass the Mass Communications English Diagnostic Test with a score of at least 70 percent, which is the same score required for the successful completion of MMC 2100 at USF.) Both courses in the Mass Communications core curriculum (MMC 2100 and MMC 3602) must be completed with a minimum grade of "C" before any other Mass Communications course may be taken. Students failing to achieve a minimum grade of "C" in both MMC 2100 and MMC 3602 will be disqualified as majors in the School. A 2.5 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than "C" in any Mass Communications course.

 The Mass Communications major requires six hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of a combination of required and selective sequence courses for a total of 37 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC 2100) are a part of the graduation requirement.

Mass Communications majors are required to take a minimum of 80 hours in courses outside the journalism and mass communications areas, with no fewer than 65 hours in the basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the School's program advisor.) To facilitate this, no more than 44 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement. Mass Communications majors taking more than 44...
hours of Mass Communications courses, regardless of the departments in which those courses are listed, must add those hours to the 124 hours required for graduation. In particular, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

At least twenty-two (22) hours of resident School courses are required.

All material submitted by students as assignments in writing, reporting, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The School uses a variety of print and electronic media outlets.

Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement.

Most Mass Communications courses have prerequisites as specified in the course description (these prerequisites are separate from the State Mandated Common Prerequisites for program admission listed below). Refer to each prerequisite listed to determine progressive prerequisites for each course. Students also should note that the Mass Communications major is a four-semester program at a minimum and the majority of courses are offered only during the day (except at the USF St. Petersburg campus where an evening schedule is available).

Prerequisites (State Mandated Common Prerequisites)

This is a limited access program. Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete 18 semester hours outside the Mass Communications curriculum at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to complete the following prerequisites or major support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

English Composition (minimum grade of "C") (6)

MMC 3602 Mass Communications and Society (3) Prior to being admitted to the School of Mass Communications, a student must:

Complete a minimum of 45 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.7 overall GPA, and pass a School-administered English Diagnostic Test.

A maximum of nine semester hours in Mass Communications courses will be accepted from a community college or other lower-level program toward a degree in Mass Communications. It is suggested that the nine hours include the equivalent of the School core curriculum and one sequence introduction course. Approval by an appropriate advisor is required.

Required Upper-level Coursework for the Mass Communications Major

**SCHOOL CORE CURRICULUM**

MMC 2100 Writing for the Mass Media

MMC 3602 Mass Comm and Society

**SEQUENCE REQUIREMENTS**

1. **ADVERTISING** Requirements

ADV 3000 Introduction to Advertising

ADV 3101 Advertising Copywriting

ADV 3300 Advertising Media Strategy

ADV 3501 Advertising Research

ADV 4800 Advertising Campaigns

ADV 4940 Advertising Practicum

MMC 4203 Media Ethics

Selective Requirements (12 hours required, selected with advisor's approval)

**Other Requirements:** The following courses are required outside the School to complete sequence requirements:

ECO 1000 Basic Economics

LIS 2002 Introduction to the Internet

MAR 3023 Basic Marketing

See specific courses for prerequisites.

2. **JOURNALISM** Requirements

**News-Editorial Option**

JOU 2100 Beginning Reporting

JOU 3101 Advanced Reporting

JOU 4104 Public Affairs Reporting

JOU 4200 News Editing I

MMC 4200 Communications Law

MMC 4203 Media Ethics

JOU 4206 Newspaper and News Publication Design

or

PGY 3610 Photojournalism I

Selective Requirements (10 hours required, selected with advisor's approval)

**Other Requirements:**

ECO 1000 Basic Economics

PHI 1103 Critical Thinking

POS 2041 American National Government

POS 2112 State and Local Government and Politics

or

POS 3142 Intro to Urban Politics & Government

SYG 2010 Contemporary Social Problems

**Magazine Option**

JOU 2100 Beginning Reporting

JOU 3101 Advanced Reporting

JOU 3300 Magazine Article and Feature Writing

JOU 4200 News Editing I

JOU 4212 Magazine Design and Production

MMC 4200 Communications Law

MMC 4203 Media Ethics

MMC 4420 Research Methods

Selective Requirements (7 hours required, selected with advisor's approval)

**Other Requirements:** The following courses are required outside the School to complete sequence requirements:

ECO 1000 Basic Economics

CRW 2100 Narration and Description

PHI 1103 Critical Thinking

POS 2041 American National Government

POS 2112 State and Local Government and Politics

or

POS 3142 Intro to Urban Politics & Government

SYG 2010 Contemporary Social Problems

See specific courses for prerequisites.

3. **PUBLIC RELATIONS** Requirements

ADV 3000 Introduction to Advertising

JOU 2100 Beginning Reporting

MMC 4200 Communications Law

or

MMC 4203 Media Ethics

PUR 3000 Principles of Public Relations

PUR 3500 Public Relations Research

PUR 4100 Writing for Public Relations

PUR 4103 Public Relations Design and Production

PUR 4401 Public Relations Issues, Practices, Prob.

PUR 4801 Advanced Public Relations
Selective Requirements (4 hours required, selected with advisor's approval)

Other Requirements: The following courses are required outside the School to complete sequence requirements:
- ECO 1000 Basic Economics
- LIS 2002 Introduction to the Internet
- MAN 3025 Principles of Management
- MAN 3023 Basic Marketing
- POS 2041 American National Government
- POS 2112 State and Local Government and Politics
or
- POS 3142 Intro to Urban Politics and Government

4. TELECOMMUNICATIONS Requirements

News Option
- JOU 4164 Public Affairs Reporting
- MMC 4200 Communications Law
- MMC 4420 Research Methods
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4304 TV News
- RTV 4320 Electronic Field Production

Selective Requirements (9 hours required, selected with advisor's approval)
- PHI 1103 Critical Thinking
- POS 2041 American National Government
- POS 2112 State and Local Government and Politics
or
- POS 3142 Intro to Urban Politics and Government
and
- SPC 2600 Public Speaking

Production Option
- MMC 4200 Communications Law
- RTV 2100 Writing for Radio and TV
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4220 TV Production and Direction
- RTV 4320 Electronic Field Production
- RTV 4500 Telecommunications Programming

Selective Requirements (9 hours required, selected with advisor's approval)
- PHI 1103 Critical Thinking

Requirements for the Minor in Mass Communications

The minor in Mass Communications is available to students pursuing any other major at USF. Students who wish to minor must apply for admission to the School of Mass Communications and must meet all admission standards required of majors. Please see “Requirements for the Major in Mass Communications” for more admission information.

The minor in Mass Communications requires a minimum of 18 hours of School coursework, including:
- MMC 2100 (3) or MMC 3602 (3)
- The other 12 hours may be selected from among School offerings and must include a minimum of 9 hours at the 3000-level or higher. All major course prerequisites must be met. A grade of "D" or "F" will not be counted toward a mass communications minor and a 2.5 grade point average in all minor coursework must be maintained. All minor hours must be completed at USF.

- MATHEMATICS (MTH)

The Department of Mathematics offers a diversity of courses designed not only to enable the student to pursue a profession in mathematics itself, but also to enhance the student's competence in the fields of engineering, the physical sciences, the life sciences, and the social sciences. The department offers programs leading to the B.A., M.A., and Ph.D. degrees. The undergraduate program emphasizes the broad nature of modern mathematics and its close associations with the real world. The program is designed to prepare students for entry into graduate school or careers in industry or secondary education.

The Department of Mathematics consists of approximately 33 full-time faculty members, whose areas of interest include: algebra, applied mathematics, approximation theory, celestial mechanics, complex analysis, dynamical systems, functional analysis, graph theory, logic, number theory, ordinary differential equations, partial differential equations, potential theory, probability theory, real analysis, statistics, theoretical computer science, and topology.

Requirements for the Major in Mathematics

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF from a Florida Community College should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- COPXXX Computer Language Course (Pascal, FORTRAN, C, C++, or C++)
- MACX311 Calculus I
- MACX312 Calculus II
- MACX313 Calculus III
- Students must also complete two laboratory-based science courses, 4 - 8 semester hours total, from the respective science majors: Biology, Chemistry, Geology, or Physics.

MAJOR IN MATHEMATICS

The courses taken to satisfy the requirements below will constitute the major program referred to in the general graduation requirements of the College of Arts and Sciences.

 Majors are encouraged to consult the department's Undergraduate Advisor before every semester. The Undergraduate Advisor will recommend electives which are appropriate for the student's interests and goals.

 Majors are encouraged to consider the Honors Program and the Accelerated BA/MA Program, which are outlined below.

1. Mathematics Requirements (Min. 45 cr. hrs.)

Core Requirement. Majors must complete the following five courses (20 cr. hrs.):
- MAC 2311 Calculus I
- MAC 2312 Calculus II
- MAC 2313 Calculus III
- MGF 3301 Bridge to Abstract Mathematics
- MAS 3105 Linear Algebra
Analysis Requirement. Majors must complete one of the following two courses (4 cr. hrs.):

- MAA 4211 Intermediate Analysis I (4)
- MAS 4156 Vector Calculus (4)

Majors who complete both MAA 4211 and MAS 4156 may count one of these towards the Elective Requirement below.

Elective Requirement. Majors must complete seven courses from the following electives (Min. 21 cr. hrs.):

- CGS 3414 Problem Solving Using Pascal or C (3)
- COP 4313 Symbolic Computations in Mathematics (3)
- MAA 4211 Intermediate Analysis I (4)
- MAA 4212 Intermediate Analysis II (3)
- MAA 4402 Complex Variables (3)
- MAD 4011 Numerical Analysis (3)
- MAD 4054 Theory of Computation (3)
- MAD 5304 Introduction to Graph Theory (3)
- MAP 2302 Differential Equations (3)
- MAP 5345 Applied Partial Differential Equations (3)
- MAP 5407 Methods of Applied Mathematics (3)
- MAS 4124 Numerical Linear Algebra (3)
- MAS 4156 Vector Calculus (4)
- MAS 5215 Number Theory (3)
- MAS 4301 Elementary Abstract Algebra (3)
- MAF 4970 Mathematics Senior Thesis (3)
- MAF 5405 History of Modern Mathematics (3)
- MTG 4214 Modern Geometry (3)
- MTG 4302 Introduction to Topology (3)
- STA 4321 Essentials of Statistics (3)
- STA 4442 Introduction to Probability (3)

Special Notes.

MAT 4930, Selected Topics in Mathematics, or 5000-level mathematics courses may be taken as electives, with the approval of the Undergraduate Advisor.

One or two courses from another department which are of high mathematical content may also be taken as electives, with the approval of the Undergraduate Advisor and the Chairman.

Majors wishing to take a course in statistics should first take STA 4442 and then STA 4432.

Majors wishing to continue towards a graduate degree in mathematics should take MAS 4301 and MAA 4211. (See also the sections on the Honors Program and the Accelerated BA/MA Program below.)

2. Mathematics-related Courses (Min. 6 cr. hrs.)

Majors must take two courses in science or engineering which are required courses for the majors within those departments. The two courses need not be in the same department. Science courses must include laboratories and be offered by the Departments of Biology, Chemistry, Geology, or Physics.

HONORS PROGRAM IN MATHEMATICS

The program is designed for students who wish to obtain a B.A. degree that will indicate unusual strength in the field of mathematics. Successful completion of the program will be prominently displayed on the student’s diploma and will be recorded on the official U.S.F. transcript of the student’s work. Students are eligible for admission to the program when they

1. have completed MAS 4301, Elementary Abstract Algebra,
2. have at least a 3.0 average for all college courses, and
3. have at least a 3.5 average for mathematics courses.

Applications are submitted to the Undergraduate Committee of the Department of Mathematics.

The requirements for a B.A. degree in mathematics with honors are as follows:

1. completion of the requirements of the major in mathematics,
2. completion of MAA 4211, Intermediate Analysis I,
3. completion of MAT 4970, Mathematics Senior Thesis,
4. completion of eight mathematics courses at or above the 4000-level,
5. at least a 3.0 average for all college courses, and
6. at least a 3.5 average for mathematics courses.

ACCELERATED BA/MA PROGRAM

This program is designed for superior students having a solid background in high school mathematics and the ability to handle a fast paced, challenging program leading to a BA and MA degree in mathematics in four to five years.

The program meets all the requirements for the BA degree, but requires the student to take those graduate level courses required for the MA degree during the last two years in the program. Up to 20 hours of graduate courses may be counted towards the MA degree as well as the BA degree, but not towards the undergraduate major (that is, as free electives).

For admission to the program, a student must
1. have completed at least 30 hours of college credit including 8 hours of 3000-level or above mathematics courses,
2. have at least a 3.0 average for all college courses, and
3. have at least a 3.5 average for all mathematics courses taken at the 3000-level or above.

To apply for admission, send a letter to the Chair of the Department of Mathematics stating your qualifications and desire to enter the program. An important benefit of this program is that a student is eligible to apply for a graduate teaching assistantship once he or she has completed the undergraduate mathematics major courses. To plan your program, see the Undergraduate Advisor in Mathematics.

Requirements for the Minor in Mathematics

The minor in mathematics is open to all students. Students with majors in the sciences, engineering, business, and the social sciences are particularly encouraged to pursue the minor. A student wishing to receive a minor in mathematics must meet the following course requirements (minimum of 26 cr. hrs.):

1. Required Courses (20 cr. hrs.)

   Either
   - MAC 2311 Calculus I (4)
   - MAC 2312 Calculus II (4)
   - MAC 2313 Calculus III (4)

   Or
   - MAC 2281 Engineering Calculus I (4)
   - MAC 2282 Engineering Calculus II (4)
   - MAC 2283 Engineering Calculus III (4)

   Also, both of the following:
   - MGF 3301 Bridge to Abstract Mathematics (4)
   - MAS 3105 Linear Algebra (4)

2. Elective Courses (Min. 6 cr. hrs.)

   Any 2 mathematics courses which are required or elective for the major in mathematics.

TEACHER EDUCATION PROGRAMS

For information concerning the degree programs for secondary school teachers, see the description given in the Mathematics Education section of this catalog.

- MEDICAL TECHNOLOGY (MET)

The University of South Florida offers a four-year program leading to the Bachelor of Science degree in Medical Technology. The first three years are completed on campus; the fourth year (12 months) is completed at one of five affiliated hospitals in Florida, located in Tampa, Orlando, and Jacksonville. Admission to the fourth year is limited by the number of openings in affiliated hospitals and, at the present time, is competitive. Selection for the clinical program is made by the hospitals and students not admitted to a clinical program may
need to select an alternative degree. Generally hospitals require a minimum GPA of 2.5, and our students admitted to clinical programs in recent years have had a mean GPA of about 3.0.

All courses required for admission to the clinical program must be completed prior to beginning the clinical year. These requirements include:
1. A minimum of 90 semester hours (excluding physical education)
2. All university Liberal Arts requirements.
3. Writing and computation requirements for 6A- 10.30.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a “C” or higher in each course.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. They may be completed at a community college or other institution or at USF. Courses available at USF are indicated with an asterisk.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology I with lab (e.g. BSC1010C, BSC1101C, BSC1010/1010L, BSC1111/111L, BSC 2010/2010L, PCB 2011C, PCB 2131/2131L, BSC 2011/2011L)</td>
<td>4</td>
</tr>
<tr>
<td>Human Anatomy and Physiology I with lab (e.g. BSC 1085/1085L, BSC 1085C, BSC 1093C, BSC 2093C, BSC 2085/2085L, BSC 2011, BSC 2011C, PCB 4703, PCB 3703, PCB 3702, PCB 3702,3,4)</td>
<td>4</td>
</tr>
<tr>
<td>General Microbiology with lab (e.g. MCB 3020/3020L, MCB 2013/2013L, MCB 3033/3033L, MCB 3020C, MCB 2010/2010L)</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I with lab (e.g. CHM 1045/1045L, CHM 1045C, CHM 2045/2045L)</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry II with lab (e.g. CHM 1046/1046L, CHM 1046C, CHM 1040/1040L, CHM 1040E/1040L, CHM 2040/2040L)</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry I with lab (e.g. CHM 2210/2210L, CHM 2010/2010L, CHM 2210C, CHM 3210)</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry II with lab (e.g. CHM 2211/2211L, CHM 2110/2110L, CHM 2110C, CHM 3211/3211L, CHM 3120/3120L, CHM 2120/2120L, CHM 2120C)</td>
<td>5</td>
</tr>
<tr>
<td>Statistics (e.g. STA 2023, STA 2014, STA 2122, STA 2037, STA 2040, STA 2024, STA 2321, STA 3023)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra (MAC 2102 or MAC 2132)</td>
<td>3</td>
</tr>
<tr>
<td>Determinative Bacteriology (MCB 4115)</td>
<td>5</td>
</tr>
</tbody>
</table>

**Immunology (PCB 5235 or equivalent) (3)**
**Clinical Chemistry (CHS 4300) (3)**
**Cell Biology (PCB 3023) (3)**

Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January or February. During this clinical training, the student will continue to be registered as a full-time student of the university and will receive a total of 30 credit hours of work in:

- **MLS 4031 Introduction to Medical Technology (3)**
- **MLS 4861 Clinical Immunology (3)**
- **MLS 4863 Clinical Microbiology (3)**
- **MLS 4865 Clinical Immunohematology (3)**
- **MLS 4860 Clinical Urinalysis and Body Fluid (3)**
- **MLS 4862 Clinical Hematology (3)**
- **MLS 4864 Clinical Chemistry (3)**
- **MLS 4866 Clinical Laboratory Management and Education (3)**

These courses, listed under “Interdisciplinary Arts and Sciences,” will be taught at the hospital. A “C” or higher must be earned in each course. Students successfully completing this program will be granted a Bachelor of Science degree in Medical Technology.

**PHILOSOPHY (PHI)**

**Recommended Prerequisites (State Mandated Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following courses if available during the program of study at the community college and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

**Mathematics (any courses):**

- Foreign Languages (Beginning and Intermediate German, French, or Latin) (1120-1121 level and 2200-2201 level)
- Classics (CLT, CLA for example)

**Requirements for the Major in Philosophy**

Majors in philosophy must complete at least 30 credit hours made up as follows:

- a. **PHI 3062 History of Philosophy: Ancient and Medieval** (3)
- b. **PHI 3400 History of Philosophy: Modern** (3)
- c. **PHI 2101 Introduction to Formal Logic** (3)
- d. **PHI 5135 Symbolic Logic** (3)
- e. **PHI 4670 Contemporary Ethical Theory** (3)
- f. **PHI 4300 Theory of Knowledge** (3)
- g. **PHI 5225 Philosophy of Language** (3)
- h. **PHI 4320 Philosophy of Mind** (3)
- i. 6 credit hours of 4000 or 5000 level Philosophy courses (6)
- j. 9 credit hours of Philosophy electives (9)
Requirements for the Minor in Philosophy
A minor in philosophy consists of the completion of at least 18 credit hours which includes the following courses or an approved substitute for one only:

PHH 3062 History of Philosophy: Ancient and Medieval
PHH 3400 History of Philosophy: Modern
PHH 4600 Contemporary Philosophy

or

PHH 4440 Continental Philosophy
PHI 2101 Introduction to Formal Logic

No credit taken on an "S/U" basis may be applied toward the minor.

HONORS PROGRAM
The Honors Program in Philosophy allows superior students to pursue philosophical studies at a more advanced level than is customary in undergraduate philosophy programs. Students in the Honors Program will be required to do independent research, to participate in an Honors Seminar, and to write and defend an undergraduate thesis.

Admission Criteria:
1. Students must complete
PHI 2101 Introduction to Formal Logic
PHH 3062 History of Philosophy: Ancient and Medieval
PHH 3400 History of Philosophy: Modern

with a grade point average of 3.6.
2. Students must have an overall grade point average of 3.0, and their grade point average in Philosophy must be at least 3.5.
3. Students must be nominated for admission into the Philosophy program by a faculty member in Philosophy, and a majority of the faculty who have taught the student must approve the student’s admission into the program.

Program Requirements:
Students must complete the requirements for the Philosophy major in accordance with the following provisions:

1. students must take either PHH 4440 19th Century Continental Philosophy or PHH 4600 Contemporary Philosophy
2. students must take one course from each of the following groups:

Group 1
PHI 3404 Scientific Method
PHI 4320 Philosophy of Mind
PHI 4300 Theory of Knowledge
PHI 5225 Philosophy of Language
PHP 4784 Analytical Philosophy

Group 2
PHI 4600 Contemporary Ethical Theory
PHI 3601 Contemporary Moral Issues
PHI 3700 Philosophy of Religion
PHI 4800 Aesthetics
PHM 3021 Philosophies of Love and Sex
PHH 3400 Introduction to Philosophy of Law

Group 3
PHM 3100 Social Philosophy
PHM 4322 Ancient and Medieval Political Philosophy
PHM 4331 Modern Political Philosophy
PHM 4340 Contemporary Political Philosophy
PHP 4788 Philosophy of Marxism

Group 4
PHH 4700 American Philosophy
PHP 3786 Existentialism
PHP 4000 Plato
PHP 4010 Aristotle
PHP 4410 Kant
PHP 4740 The Rationalists
PHP 4745 Empiricists

3. Students must take an Honors Seminar in their senior year.

4. Students must write a senior thesis and undergo an oral examination on the thesis before a committee of two faculty members, with the Chair as an ex officio member of every such committee.
5. Students cannot receive a grade lower than a "B" in any Philosophy course, and their grade point average in Philosophy must be at least 3.5 to remain, or be graduated from the Philosophy Honors program.
6. Students must complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.

Physics (PHY/PHS)

The Department of Physics offers undergraduate programs leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree. The B.A. program is designed for students interested in a more general education in physics. The curriculum allows enough flexibility in electives to enable students to combine a physics major with another major in such areas as mathematics, biology, chemistry, computer science, engineering, business, and teacher education. The B.S. program is for students planning to pursue graduate study in physics, applied science or engineering. For those students who desire additional capabilities in physics beyond the General Physics sequence, they may pursue a Minor in Physics.

At the graduate level, the Department of Physics offers three Master’s degree programs (Master of Science in Physics, Master of Science in Applied Physics and Dual-Master Degrees in Physics and Engineering Science) and a Ph.D. degree program in Applied Physics.

Requirements for the Majors in Physics

Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045 or CHM 1045E
CHM 1046/1046L General Chemistry II (with lab) or CHM 1046 or CHM 1046E

Students must complete the prerequisite courses listed below prior to enrolling in upper-division courses as a major. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

MAC 2311 Calculus I or MAC 2311L
MAC 2312 Calculus II or MAC 2312L
MAC 2313 Calculus III or MAC 2313L

PHY 2048/2048L General Physics I or PHY 2048C
PHY 2049/2049L General Physics II or PHY 2049C

Coursework for Majors in Physics

1. Physics Courses
   B.A. PHYSICS (PHY) (34 cr. hrs)
   PHY 2048 General Physics I (3)
   PHY 2048L General Physics I Lab (1)
   PHY 2049 General Physics II (3)

   PHY 2048L General Physics I Lab (1)
   PHY 2049 General Physics II (3)
### Required Supporting Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311 or 2281 or 2233</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see Teacher Education Programs this college; for junior college teachers, see USF Graduate Catalog.

### PSYCHOLOGY (PSY)

Psychology involves the scientific study of behavior and mental processes. Because of this focus, psychology is relevant to many other areas of study both inside and outside of the social and behavioral sciences. The undergraduate program in Psychology offers the student a well-rounded liberal arts education. In addition, the program provides excellent training for qualified students who wish to pursue graduate work in such disciplines as Clinical, Cognitive and Neural Sciences or Industrial Psychology, Education, Gerontology, Counseling, Management, Medicine, Law, and other human service programs. The undergraduate major emphasizes the breadth of psychology while allowing the student some electives to pursue in depth a particular aspect of the field. Interested undergraduate majors may apply for admission to a concentration in Applied Behavioral Analysis, or to the Honors Program. The graduate faculty of the Psychology Department are divided into three broad program areas: Clinical, Cognitive and Neural Sciences, and Industrial/Organizational. Each of these program areas offers Ph.D.-level training as well as instruction at the undergraduate level.

### Requirements for the Major in Psychology

#### Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

**PSY X012** Introduction to Psychology

**STA XXXX** Any level Statistics course (X000 - X099)

**BSC XXXX** Any level General Biology course (or BSC X200-X209, or ZOO X010)

Majors must complete at least 34 semester hours in the field. A minimum grade of “C-” or better must be attained in each course in the major, except for PSY 3044 and PSY 3213 where a C or better is required. Although a C- is allowable for individual courses, a major GPA of 2.0 minimum is required for graduation. All majors must complete:

#### Other Course Requirements for Psychology Majors

1. **2000/3000 Level Requirement (6 semester hours)**
   - **PSY 2012** Psychology I (if not already taken at a community college)
   - **PSY 3044** Psychology II
2. Methods Course Requirement (7 semester hours)

PSY 3213 Research Methods

and one of the following:

CLP 4433 Tests and Measures
PSY 4205 Experimental Design and Analysis
or another methods course approved by the undergraduate advisor in Psychology.

3. 4000 Level Requirement (21 semester hours)

Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:

**Group I**

EXP 4204C Perception
EXP 4404 Psychology of Learning
PSB 4013C Physiological Psychology
EXP 4304 Motivation
EXP 4523C Cognitive Psychology

**Group II**

CLP 4143 Abnormal Psychology
INP 4004 Industrial Psychology
SOP 4004 Social Psychology
DEP 4005 Developmental Psychology
PPE 4004 Personality

and any 3 additional courses numbered at the 4000 level.

**Note:** No more than a total of 3 hours of the following courses may count toward the major:

PSY 4913 Directed Study
PSY 4970 Honors Thesis

PSY 4932 may not count toward the major. Nor may EAB 4715 (Supervised Practicum) count toward the major for those in the Applied Behavior Analysis program.

Statistics and Biological Science are required. Otherwise, students majoring in psychology are encouraged to complete a minor in Interdisciplinary Social Sciences.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3044 and PSY 3213, not "C-". For students minoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213.

For students majoring in Interdisciplinary Social Sciences, any college-level statistics course with a grade of "C" or better may serve as prerequisite for 4000 level courses in Psychology but does not substitute for the PSY 3213 requirement.

**Requirements for the Minor in Psychology**

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, PSY 3044, and any three 4000-level psychology courses except PSY 4913. Students minoring in Psychology must also obtain a "C" or better in any college-level statistics course in lieu of PSY 3213, or must complete PSY 3213 with a "C" or better. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

**Concentration in Applied Behavior Analysis**

Undergraduate majors working toward the B.A. in psychology may complete a structured sequence of coursework and practicum in Applied Behavior Analysis. Students are admitted to the program in the junior or senior year, after completing EXP 4404 and CLP 4414 with a grade of B or better. Admission requirements further include a minimum overall USF GPA of 3.0 or better, GPA of 3.2 for Psychology coursework, completion of at least 75 hours, and two letters of recommendation. Admissions will take place in the fall and spring of each academic year. Successful completion of the concentration prepares students for employment opportunities in a variety of settings, for advanced study in Applied Behavior Analysis, and eligibility for completion of the Florida Certification Examination for Associate Behavior Analysis. Detailed information regarding the program and the admission process may be obtained from the undergraduate advisor or the program secretary.

**PSYCHOLOGY HONORS PROGRAM**

The purpose of the Honors Program is to provide a select group of undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the second semester of the student's junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student's overall academic record, performance in psychology courses, and a letter of recommendation from a member of the Psychology Department faculty. Successful completion of the program requires a GPA of 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 43 hours in Psychology including PSY 4932 (6) and PSY 4970 (6).

See the Psychology Department Undergraduate Advisor for details of the program and an application form.

**REHABILITATION AND MENTAL HEALTH COUNSELING (REF)**

A five-year master's program is available to undergraduates where an M.A. degree in Rehabilitation and Mental Health Counseling and a bachelor's degree in another major (if desired) can be earned in a total program of 150 semester hours. Students admitted through the five-year program (REF) must have completed 90 semester hours of work, including required courses in the undergraduate major, and have satisfied General Distribution, CLAST, and Rule 6A-10.30 (Gordon Rule) requirements. Minimum admission requirements include a total Verbal-Quantitative score of at least 1000 on the GRE or a "B" average over the last 60 semester hours. All applicants must take the GRE whether or not they have a 3.0 grade-point average. A detailed description of the M.A. program in Rehabilitation and Mental Health Counseling may be found in the Graduate Catalog and on the internet at [http://www.cas.usf.edu/rehab_counseling/index.html](http://www.cas.usf.edu/rehab_counseling/index.html).

Undergraduates interested in the five-year program (REF) should contact the department during their senior year. They should concentrate on taking required courses in their undergraduate major, and should generally defer taking electives until admitted to the five-year program. Applications for the five-year program are available from the Department. GRE scores must be reported to USF before any application can be processed, and three letters of recommendation are required.

The mission of Rehabilitation and Mental Health Counseling is to help individuals with physical, mental, and psychiatric disabilities return to full, rewarding, and productive lives. Rehabilitation Counselors work in a wide variety of settings, including public and private rehabilitation programs and facilities, mental health treatment settings, and substance abuse treatment settings. Some establish their own private rehabilitation or mental health counseling practices.

Rehabilitation and Mental Health Counseling have roots in both the national rehabilitation movement and professional counseling movement. Training, which includes experiential learning, emphasizes psychological, social, medical, and vocational aspects of disability; and also the development and refinement of personal adjustment and mental health counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation and Mental Health Counseling are prepared for careers as both rehabilitation and mental health counselors. A special elective concentration in substance abuse is offered, and other study concentrations can be arranged on an individual basis.
The graduate program in Rehabilitation and Mental Health Counseling is fully accredited by the Council on Rehabilitation Education (CORE), the national accrediting body for rehabilitation counselor training programs. Upon completion of the program, graduates are eligible to sit for the national certification examination of the Commission on Rehabilitation Counselor Certification. After passing this examination, the graduate is registered with the Commission as a Certified Rehabilitation Counselor (CRC). Within the 60-hour M.A. program, graduates are also able to meet Florida’s educational standards for licensure as a Clinical Mental Health Counselor. The Department offers two, 15-semester hour, graduate certificate programs: (1) Addictions and Substance Abuse Counseling; and (2) Marriage and Family Therapy.

- **RELIGIOUS STUDIES (REL)**
  In Religious Studies, students are exposed to a cross-cultural and multi-disciplinary study of the way in which both individuals and civilizations are deeply influenced by human religious experience. The goal is to enable the educated person to understand better the various ways in which religious values and institutions shape human behavior through a comparative study of religions and cultures. Such an education is invaluable for careers as diverse as journalism, law, medicine, business, as well as careers more directly related to the practice of religion. Majors in Religious Studies will also find courses designed to give them the methodological, theoretical and linguistic skills needed to go on to advanced graduate study in the field.

**Requirements for the Major in Religious Studies**

**Recommended Prerequisites (State Mandated Common Prerequisites)**
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

*There are no State Mandated Common Prerequisites for this degree program.*

**Upper-level Requirements and Coursework for the Religious Studies Major**

Students must choose a total of 36 credit hours from Religious Studies courses. Transfer students may not apply more than 12 hours taken elsewhere toward the major at the University of South Florida. Only letter grades will be counted toward the minimum of 24 credit hours taken at the University of South Florida for transfer students or 36 (for non-transfer students) credit hours necessary to complete the 36 credit hours required for the major. In Religious Studies as a second major need to complete only 30 credit hours. To do so they must make a written request to the Undergraduate Director at the time they declare their major.

*All majors must take*

a. REL 3003 Introduction to Religion (3)
b. REL 4939 Development of Religious Studies (3)
c. REL 4931 Seminar in Religion (3)
d. An additional 9 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

All transfer students must take a minimum of 24 hours in Religious Studies courses at the University of South Florida.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the major at the University of South Florida.

This will be decided as soon as the student becomes a major in the Department of Religious Studies at the University of South Florida.

The department’s course offerings are sufficiently varied that a student should expect to enroll in its scheduled classes. No more than three directed studies courses may be applied toward the major. Any student who wishes to take any type of directed study, including REL 3900, must have the (written) approval of his/her instructor.

**Requirements for the Minor in Religious Studies**

Students choose a total of 18 credit hours from Religious Studies courses. Transfer students may not apply more than 6 credit hours taken elsewhere toward the minor at USF. Only letter grades will be counted for transfer. Requests for transfer of credit must be made to the Undergraduate Director in writing when declaring a minor.

*All minors must take*

a. REL 3003 Introduction to Religion (3)
b. REL 4939 Development of Religious Studies (3)
c. REL 4931 Seminar in Religion (3)
d. An additional 9 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the minor at USF. This will be decided as soon as the student declares a minor in the Department of Religious Studies at USF.

- **SOCIAL WORK (SOK)**
  The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

  The secondary objectives of the B.S.W. program are to

  1. Provide for the social work human resources needs of the university service district (the central Florida west coast area), the State of Florida, and the Southeast Region;
  2. Prepare graduates for additional professional training at the graduate level in social work or in related human service professions;
  3. Provide an exposure to social work as a profession and to contemporary issues in the social welfare field.

  In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of various methods of intervention and skills in their application to a variety of client systems. For example, therapeutic methods may take the form of individual and group counseling, resource development, consultation, teaching, advocacy, etc. Client systems may be individuals, families, groups, organizations, or communities. The student will develop an understanding of the dynamics of human behavior in individual, group and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and the social, economic, and political processes affecting policy development and program implementation. The student will develop an
understanding of the utilization of basic social research skills particularly related to the processes of problem-solving, planning, and evaluation.

The student will also become aware of the value base of the profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one’s obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Students may apply for admission to the School for the B.S.W. program after having satisfied the admission criteria described below.

However, the completion of the prerequisites does not guarantee the student’s admission to the program. Limited state funding places constraints on the size of the social work faculty and in order to maintain a high quality of instruction, it is necessary to achieve an appropriate faculty-student ratio. This means that it may be necessary to deny full admission to the B.S.W. program solely on the basis of no available space. Any student applying for full admission to the program should be aware of this possibility.

Additionally, any student who does not maintain a GPA of at least 2.75 in social work courses while enrolled in the B.S.W. program or who clearly does not exhibit responsible professional behavior, may be subject to dismissal from the program. A social work major receiving a grade of less than “C” in a core course will be required to repeat the course. Furthermore, no student will be allowed to enter field placement with a “D” grade in any SOW core courses, even if the student’s GPA is 2.75 or above with the inclusion of the “D” grade.

Admission to the B.S.W. program is a three-stage process, i.e., common prerequisites, provisional courses, and core curriculum. Any student who holds a minimum of Sophomore standing and is completing common prerequisite work in political science, biology, economics, psychology and sociology (see specific requirements below) may declare a social work major. At this stage, students may file a declaration of major form with the College of Arts and Sciences, Academic Affairs Office. All majors will be assigned an advisor within the School who will assist the student in selecting courses. Many students will have already taken most of the common prerequisites courses as part of their major distribution at USF or in their course of study at a community college. After completion, a student will be ready for courses in the provisional social work major, a final step in applying for full admission to the B.S.W. program as a full major. It is necessary to be admitted as a full major before taking core social work courses.

Admission requirements for the social work full major are as follows:

1. A student must have completed a minimum of one semester as a pre-social work major.
2. A student must have completed required common prerequisites and provisional courses (see listing).
3. A student must complete an application for full admission and file it with the School of Social Work before the beginning of the semester in which admission is sought; dates will be announced in provisional courses.
4. A student may be asked to complete an admission interview with a favorable action from the Undergraduate Committee.
5. A student must achieve a grade of "B" or better in SOW 3302, “Introduction to Social Work” and SOW 3203, “The American Social Welfare System,” to be considered for full admission.
6. A student must have successfully completed CLAST. CLAST may be repeated.

A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

Requirements for the Major in Social Work

Prerequisites (State Mandated Common Prerequisites)

Social Work is a limited access program. Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

If possible, students enrolled in community colleges should take their college equivalents of common prerequisite courses (P) and cross-cultural provisional course (P*) before entering USF. All courses must be passed with a “C” or better. SOW 3302 Introduction to Social Work and SOW 3203 American Social Welfare must be taken at USF or another accredited institution and must be completed, earning a grade of “B” or better.

State Mandated Common Prerequisite Courses (P)

A student must successfully complete, by earning a “C” or better:

- One course in each of the following cognate areas
  - American Government (American National Government or American Government) (3)
  - Biology (Human Biology or Anatomy & Physiology) (3)
  - Economics (Microeconomics or Macroeconomics) (3)
  - Introductory Psychology (3)
  - Introductory Sociology/Social Problems (3)

At USF, the following courses are recommended to meet this requirement (one course in each area):

- American Government:
  - POS 2041 American National Government (3)
  - POS 2112 State and Local Government and Politics (3)
  - POS 3182 Florida Politics and Government (3)

- Biology:
  - BSC 2022 Biology of Aging (3)
  - BSC 2025 Food: Personal & Global Perspectives (3)
  - BSC 2035 Sex and Today’s World (3)
  - BSC 1005 Principles of Biology for Non-majors (3)
  - WST 2600 Human Sexual Behavior (3)

- Economics:
  - ECO 1000 Basic Economics (3)

- Psychology:
  - PSY 2012 Introduction to Contemporary Psychology (3)
  - PSY 3044 Experimental Psychology (3)
  - CLP 3003 Psychology of Adjustment (3)

- Sociology:
  - SYG 2000 Introduction to Sociology (3)
  - SYG 2010 Contemporary Social Problems (3)
  - SYG 4800 Gender and Society (3)
  - SYP 3000 Social Psychology (3)
  - SYO 3550 Poverty, Inequality, and Stratification (3)
  - SYP 4510 Sociological Aspects of Deviance (3)

Foundation Courses (P*) for Provisional Social Work Majors (May be completed after transferring to USF).

1. A student must successfully complete by earning a “C” or better one of the following cross cultural courses or equivalency.

- African American Studies:
  - AFA 2000 Introduction to the Black Experience (3)
  - AFA 4331 Social Institutions and the African-American Community (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4335</td>
<td>Black Women in America</td>
<td>3</td>
</tr>
<tr>
<td>AFS 2250</td>
<td>Culture and Society in Africa</td>
<td>3</td>
</tr>
<tr>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3313</td>
<td>Blacks in the American Political Process</td>
<td>3</td>
</tr>
</tbody>
</table>

**Anthropology:**
- ANT 2000  Introduction to Anthropology                  | 3       |
- ANT 3005  The Anthropological Perspective               | 3       |
- ANT 2410  Students Anthropology                         | 3       |
- ANT 4316  Ethnic Diversity in the USA                    | 3       |
- ANT 4432  The Individual and Culture                     | 3       |

**Sociology:**
- SYD 3700  Racial and Ethnic Relations                   | 3       |

**Women's Studies:**
- WST 3015  Introduction to Women's Studies               | 3       |
- SOP 3742  Psychology of Women                            | 3       |
- PUP 4323  Women and Politics                            | 3       |
- WST 3011  Issues in Feminism                             | 3       |
- AMH 3581  American Women I                              | 4       |
- AMH 3562  American Women II                             | 4       |
- WST 4262  Literature by American Women of Color          | 3       |
- LIT 3383  The Image of Women in Literature               | 3       |
- WST 4263  Third World Women Writers                      | 3       |

2. Both of the following Social Work courses, earning a “B” or better:
- SOW 3203  American Social Welfare System                | 3       |
- SOW 3302  Introduction to Social Work                   | 3       |

**Social Work Core Courses**
1. Human Behavior and Social Environment Courses
   - SOW 3101                                             | 4       |
   - SOW 3102                                             | 4       |
2. Social Welfare: Policy & Program Course
   - SOW 4233                                             | 4       |
3. Social Research Course
   - SOW 3401                                             | 4       |
4. Social Work Practice Courses
   - SOW 4341                                             | 5       |
   - SOW 4343                                             | 5       |
5. Directed Field Experience
   - SOW 4510                                             | 3       |
   - SOW 4510L                                            | 6       |
6. Multi-cultural America
   - SOW 4522                                             | 3       |

**Summary:**
- Core Courses 29 hours
- Field Experience 9 hours
- TOTAL 38 hours

**SOCILOGY (SOC)**
Sociology is the study of social life and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies. Because all human behavior is social, the subject matter of sociology ranges from intimate families to hostile mobs; from crime to religion; from the divisions of race, gender, and social class to the shared beliefs of a common culture; from the sociology of work to the sociology of emotions.

The Sociology major is designed to provide students with a broad liberal arts education and a greater understanding and insight into the social systems and processes that bear upon everyday lives. Opportunities for students with Bachelor’s degrees in Sociology are quite varied. Some go on to work for human service agencies; others work in personnel, criminal justice, and urban planning; others enter graduate programs in sociology, education, law, medicine, or social work. Toward these ends, all students are encouraged to become skilled in the use of computers and libraries.

**Requirements for the Major in Sociology**

**Prerequisites (State Mandated Common Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete two lower level introductory courses in Sociology prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade. Students are encouraged to take the following prerequisites, or major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education Gordon Rule courses.

**Specific Coursework in the Sociology Major**

The major consists of a minimum of 36 credit hours of Sociology coursework plus ISS STA 2122: “Social Science Statistics” or its equivalent. All university-wide regulations regarding transfer credits and credits needed for graduation apply, at least 27 of the 36 hours of coursework in Sociology must be USF credits. Only courses in which a grade of “C” or better is attained will count toward the minimum hours although lower grades are included in calculating the major GPA.

The minimum of 36 credit hours in Sociology must include the following four core courses (12 hours):

**SOW 3200**  Introduction to Sociology (May be replaced with an upper level sociology elective if a total of 12 or more hours of sociology coursework is completed before declaring a Sociology major)

**SYA 3010**  Classical Theory

**SYA 3300**  Research Methods (Prerequisite: STA 2122 Social Science Statistics or its equivalent)

**SYA 4935**  Senior Seminar (Students earning a grade less than “C” in this course must take an additional course in Sociology. In that event, the minimum number of Sociology credits is 39)

The remaining 24 hours of sociology coursework may be comprised of any of the courses offered by the Sociology department with the exception of SYG 2412 “Marriage.” This course counts toward the total number of hours needed to graduate but it does not count toward the minimum number of sociology hours needed for the major. No more than three hours of SYA 4910 Individual Research may count toward the 36 hour minimum.

Students are encouraged to make an appointment to talk with the Sociology Department Undergraduate Advisor when they have questions about major requirements or about which electives offered each semester would best meet their educational and career goals.

**Requirements for the Minor in Sociology**

A minor in Sociology consists of a minimum of 18 credit hours in Sociology, at least 12 of which must be USF credits. Minors must take SYG 2410 Introduction to Sociology and SYA 3010 Classical Theory. No more than three hours of SYA 4910 “Individual Research” may count toward the 18 hour minimum; SYG 2412 “Marriage” does not count toward the total number of minimum hours for the minor. Only courses in which a grade of “C” or better is attained will count toward the minimum hours.

While students do not declare a Sociology minor until application for graduation, they are encouraged to make an appointment with the Sociology Department Undergraduate Advisor if they wish to discuss which Sociology electives offered each semester would best meet their educational and career goals.
HONORS PROGRAM IN SOCIOLOGY

The purpose of the Honors Program in Sociology is to provide exceptional undergraduates with advanced, individualized training in research and writing, as well as more direct contact with faculty mentors. Students in the Honors Program can expect more intensive work and greater challenges than sociology students in the senior year ordinarily face; yet, a student is not admitted to the program without the confidence of faculty in his or her ability to complete the Program. The rewards upon successful completion of the program include advanced training in research design, data collection, analysis, and scholarly writing—all experiences beyond those normally given to sociology majors. Assuming the student is in good standing at the time of application to graduate school, a letter from the Honors Program director outlining the Program’s requirements and special features will be sent to each graduate program to which s/he applies. Upon successful completion of the Honors Program requirements, the student’s transcript will state that the student graduated with Honors in Sociology.

Requirements for Admission to the Honors Program

1. Completion of the following courses by the end of the Semester II of the junior year with a Grade point Average of at least 3.5:
   - SYG 2000 Introduction to Sociology
   - SYA 3010 Classical Theory
   - SYA 3300 Research Methods
   - An overall Grade Point Average of 3.2 or higher.
   - Completion of at least 72 semester hours by the start of the program in Semester I.
   - At least one course in the substantive area of the student’s preliminary research interests, by the time of or during Semester I of the program. If during Semester I, the student must have documentation that the course will be offered at the 3000, 4000, or 5000 level, and that s/he will be able to enroll in the class. If at all possible, this course should be in Sociology, although, in some instances, the director may approve a course outside the department.
   - Tentative agreement by a faculty member to serve as chair of the thesis committee. This faculty member should indicate her/his willingness in a letter of recommendation to the director of the Honors Program.

Successful completion of the Honors program requires completion of the Sociology program with a GPA of 3.5 or better, completion of Honors Seminar and Honors Colloquium, and completion of Honors Thesis. See Sociology Undergraduate Advisor for more information.

• WOMEN’S STUDIES (WST)

Women’s Studies at the University of South Florida offers an interdisciplinary field of study that features and critically examines women’s experiences, taking into consideration historical, cultural, racial, class, and other differences. The department offers a B.A., a minor in Women’s Studies, and a concentration in Women of Color Studies, as well as enhancing knowledge about feminisms and gender studies through teaching, emphasis on multiculturalism and diversity, the department focuses on critical thinking, collaborative learning, and personal empowerment.

Women’s Studies offers excellent undergraduate preparation as well for:
- Those who wish to apply to law school or to graduate study in a variety of fields, e.g., Urban or Medical Anthropology, counselor Education, Criminal Justice, Gerontology, History, Rehabilitation Counseling, Social Work, Women’s Studies
- Those who want to focus on women in specific disciplines or professions; and
- Those whose training would benefit from a close scrutiny of the major issues facing women today.

Requirements for the Major in Women’s Studies

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

No State Mandated Common Prerequisites are required for this degree program. However, during the program of study at the community college students should begin to satisfy General Education/Gordon Rule requirements, take WST 3015, “Introduction to Women’s Studies,” or other introductory courses in the Social Sciences and Liberal Arts. Courses to help students with reading and writing skills are helpful as well. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Upper-level Coursework for Women’s Studies Majors

Each major must complete 36 hours distributed as follows:

Required Core Courses (6 hours)

- WST 3311 Issues in Feminism (3)
- WST 4935 Seminar in Women’s Studies (3)
and at least 1 course from each of the following 6 areas of concentration (18 hours) and 12 hours of electives

1. Multicultural Issues

- WST 3412 Women in the Developing World (3)
- AFA 4335 Black Women in America (3)
- ANT 4302 Gender in Cross-Cultural Perspective (3)
- WST 4260 Research Issues on Women of Color (3)

2. History

- AMH 3561 American Women I (4)
- AMH 3562 American Women II (4)
- WST 3210 Women in Western Civilization I (3)
- WST 3220 Women in Western Civilization II (3)
- WST 2250 Female Experience in America (3)
- WST 4310 Feminism in America (3)

3. Humanities

- REL 3145 Women and Religion (3)
- WST 4335 Women and Film (4)
- AMS 3370 Southern Women-Myth and Reality (3)
- WST 4262 Literature by American Women of Color (3)
- WST 4410 Third World Women Writers (3)

4. Sciences

- SOP 3742 Psychology of Women (3)
- SYD 4800 Gender and Society (3)
- WST 2600 Human Sexual Behavior (3)
- WST 3225 Women, Environment and Gender (3)
- WST 4320 Woman’s Body/Woman’s Mind (3)
- WST 4350 Women and Science (3)

5. Theory/Philosophy

- WST 4522 Classics in Feminist Theory (3)
- PHI 4632 Feminist Ethics (3)
- PHM 5125 Topics in Feminist Philosophy (3)
- WST 5308 Feminist Spirituality (3)

6. Public Policy

- POS 4693 Women and Law I (3)
- POS 4694 Women and Law II (3)
- PUP 4323 Women and Politics (3)

The following courses, not included within the six areas of concentration, may be used to complete elective hours:

- WST 3015 Intro to Women’s Studies (3)
- WST 3440 Women and Social Action (3)
- WST 4900 Directed Readings (1-3)
- WST 4910 Directed Research (1-3)
Requirements for the Minor in Women's Studies

Minor in Women's Studies
A student wishing to minor in Women's Studies will be required to take six courses:
- WST 3015 or WST 3311
- Plus 5 electives chosen from the 6 areas of concentration with no more than 2 courses from any one area and with at least 2 courses at the 4000 level and above.
- Students who minor in Women's Studies must be certified by the Undergraduate Advisor.

Minor in "Women of Color"
Women's Studies offers a specific concentration in the area of Women of Color whose focus will be to examine the relationship between women of color and institutions of power.

The concentration prepares students for graduate work and/or professional careers in traditional and non-traditional areas such as health and education, international relations, the creative arts, law, medicine, social work, government and public policy, the social sciences, and community organization.

The requirements for the minor are 15 hours, which are to be selected from the following upper-level courses:
- AFA 4335 Black Women in America (3)
- WST 4260 Research Issues on Women of Color (3)
- WST 4930 Selected Topics (1-4)
- ANT 4302 Gender in Cross-Cultural Perspective (3)
- WST 4262 Literature by American Women of Color (3)
- WST 3412 Women in the Developing World (3)
- WST 4410 Third World Women Writers (3)

STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

Alpha Epsilon Delta (AED) - National Premedical Honor Society - Open to all USF students with an interest in health professions. Students must have 3.0 overall GPA and science GPA, with a minimum of 3 semesters of college work completed, including one semester at USF. Students do not need to be in the national honorary in order to participate in the chapter at USF. For further information please go to Science Advising Center, CHE 306.

Alpha Phi Sigma - To recognize and promote high scholastic achievement among students in the Criminal Justice major by supporting service projects, tutoring services, and other goal directed activities. For further information please call (813) 974-6217.

American Chemical Society Student Affiliate - To enhance the students' knowledge of chemistry and chemistry related fields. For further information please contact Dr. Stanko, (813) 974-2674, CHE 306.

American Criminal Justice Association - To offer students an organization that exposes them to career opportunities in fields related to criminology. We also provide interaction between students and professionals in the field of criminal justice. For further information please call (813) 974-6217.

American Medical Student Association (AMSA) - Open to all Pre-Medical students. AMSA sponsors student-run projects carried out at the local level that allows future physicians to work in their communities as teachers and advocates of health promotion and disease prevention. For further information please go to the Science Advising Center, CHE 306.

Anthropology Club - To promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and foster an informal and creative atmosphere for interaction. For further information please call the Department Office at 813-974-0783.

Arts and Sciences College Council - To represent the students of the College of Arts & Sciences in expressing their opinions, to help them participate in determining college policy, to provide services that may help in furthering their interests and education in the Arts and Sciences. For further information please go to SOC 102 or call 813-974-6957.

Arts and Sciences Honor Society - To recognize high academic achievement by students in the College of Arts and Sciences. Membership is by invitation. One induction is held each year during the fall semester. For further information, check the ASHS web site at http://nospheratus.usf.edu/~poonkasr or call 874-6957.

Association of Minority Communicators - To inform and help facilitate minority students interested in Communication about the profession and help them gain practical experience.

Blacks Organized for Social Science - This is a service club for students majoring or interested in the social science field who wish to enhance studies and broaden leadership skills. For further information please contact Project Thrust advisor in SOC 102.

Colloquia in Literature and Linguistics - Provides a stimulating environment in which graduate students in French, Spanish, and Linguistics can share and expand their scholarly endeavors. Sponsors guest lectures. For further information please go to CPR 419.

Communication Council - To encourage and promote extra-curricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.

Economics Club - To promote and develop the application of economic concepts within the student body and provide a social basis for interaction. For further information go to the club website at www.coba.usf.edu/departments/economics.

French Club - To promote the interest of the French language, Francophone culture and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

Greek Theta Upsilon (GTU) - An international honor society in geography. The purposes of GTU are: to further professional interest in geography by affording a common organization for those interested in the field; to strengthen student and professional training through academic experiences in addition to those of the classroom and laboratory; to encourage student research of high quality.

Geography Club - To foster understanding of and stimulate interest in the discipline of Geography and its subfields. For further information please go to SOC 305.
Geology Club - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary schools. For further information please contact Dr. Jeff Ryan, SCA 507; Undergraduate Advising Office, CHE 308; or Geology Web Page @ www.cas.usf.edu/geology/

German Club - To promote the interest of German language, culture, and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

HOSA - Health Occupations Students of America (HOSA) is a national organization which supplements the health education curriculum. HOSA develops the whole person, not just job-specific skills. HOSA's purpose is to foster leadership skills, communication skills and other occupational competencies and social skills that will lead to a successful career in the health field. For further information please go to Science Advising Center, CHE 306.

Humanities and American Studies Society - This organization's stated purpose according to its Constitution, is "to inspire a greater appreciation of our past and present through the study and enjoyment of various art forms." Activities range from gallery strolls to lectures, film series, and campus theatre performances.

International Studies Organization - To promote interaction between students and faculty. To enlighten the student populace of USF of the values of International Studies and to foster gender relations among international studies majors. For further information please go to SOC 373.

Italian Club - The purpose of the Circolo Culturale Italiano is to provide educational opportunities and experiences in the American Life to its members and help them to improve their knowledge of the Italian language and culture. It also sponsors lectures, social events and grants scholarships to deserving students of Italian. For further information please go to CPR 419.

Legal Brief - To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences. For further information please go to SOC 352.

Marine and Life Sciences Club - To foster student interests in the environment and ecological systems. Field trips and volunteer activities.

Microbiology Club - To enhance students' interests in microbiology and to provide opportunities to learn more about the certification processes necessary for professional careers in the field. Contact Dr. Valerie Harwood for more information.

Minority Preprofessional and Science Society - The objectives of the Society are to promote minority student interest in careers in the natural sciences and the health professions and to provide a support network to enable students to be academically successful. The Society meets twice monthly on Wednesdays afternoons. Membership is open to all students in the College of Arts and Sciences. For further information call the Health Professions Advising office, (813) 974-2674 or 974-3874.

NASW Sub Unit (National Assoc. of Social Workers) - To be a subunit of the National Association of Social Workers, aimed to provide a social/educational/philanthropic organization for the School of Social Work students. For further information please go to MGY 132.

National Student Speech Language Association - Association was created because of students' desire for a closer affiliation with professionals in the discipline of human communication sciences and disorders.

Phi Sigma Iota - International Honor Society for outstanding majors and minors in Classics, all Foreign Languages and Literatures, Bilingual Education, Foreign Language Education and Comparative Literature.

Pi Gamma Mu - International Honor Society for the Social Sciences.

Pi Mu Epsilon - The mathematics honor society to which the best scholars among our students are invited. Particular emphasis is given to performance in mathematics courses. For further information please go to PHY 342.

Pi Sigma Alpha - To function as an integral part of the political science department in the promotion of worthwhile extracurricular activities related to public affairs. For further information please go to SOC 352.

Pre-Dental Society - The Pre-Dental Society is open to all students with an interest in Dentistry. Through the Society students have an opportunity to not only get to know other Pre-Dental students, but to meet and hear presentations from dental school admissions' officers and practicing dentists. The Society also has organized an extensive mentor program through which students can arrange to observe dentists from each of the specialties as they work in their offices. For further information please go to Science Advising Center, CHE 306.

Preoptometry Society - This new society will provide students an opportunity to learn more about the profession of optometry and to meet other students interested in the profession. Any interested student is invited to join. For further information please go to Science Advising Center, CHE 306.

Preveterinary Society - USF Preveterinary Society provides fellowship and exchange among students interested in veterinary medicine, animal science and/or research. Membership is open to students from USF and other local colleges who wish to participate in a variety of activities which will enhance their knowledge in animal science. Activities have included tours at EPCOT - the Land of the Seas, Sea World, Lowry Park Zoo, an ostrich farm, and University of Florida College of Veterinary Medicine. Students meet a variety of specialists in the area. For further information please go to Science Advising Center, CHE 306.

Psi Chi - Psi Chi is the Nationa Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the American Psychological Society.

Sigma Gamma Epsilon - To recognize and promote academic and professional excellence in the Earth Sciences.

Student Broadcasting Association - To give students with an interest in television/radio journalism hands-on experience and the opportunity to produce a news program for public access television. For further information please go to CIS 3005.

Student Chapter of the Mathematical Association of America - A club for students who enjoy doing, discussing and learning mathematics. For further information please go to PHY 342.
Student Society for Technical Communication-SSTC - offers students scholarships, publication competitions, internship opportunities, resume and computer workshops and networking socials with local professionals who are established in the field. For further information please go to CTR 2419.

University Psychology Association - The purpose of this organization shall be to foster understanding and stimulate interest in the discipline of Psychology and its sub fields. University Psychology Association is open to all USF students interested in the field of Psychology.

Women’s Studies Student Association - To promote interest in women’s issues and provide an informative and social atmosphere for all interested Women’s Studies’ affiliates.

ARTS AND SCIENCES FACULTY

Africana Studies

Anthropology
Chairperson: L. Whiteford; Distinguished Service Professor: A. Wolfe; Professors: M. Angrosino, R. Baer, E. Bird, K. Borman, S. Greenbaum, J. Sokolovsky, N. White, L. Whiteford, C. Wienker; Associate Professors: L. Madrigal, T. Purcell, R. Tykot, J. Smith, B. Weisman, K. Yelvington; Assistant Professors: D. Himmelgreen, N. Romero-Daza; Visiting Professor: S. Hassan; Visiting Associate Professor: I. Godreau; Courtesy Faculty: C. Bryant, J. Corell, M. Hernandez, N. Henderson.

Bachelor of Independent Studies
Director: B. Cochrane; Associate Director: K. Archer; Area Coordinators: W. Heim (BIS Humanities), R. Wheeler (BIS Social & Behavioral Sciences), TBA (BIS Natural Sciences).

Biology

Chemistry

Communication
Chairperson: E. Eisenberg; Professors: A. P. Bochner, K. N. Cisso, E. M. Eisenberg, C. S. Ellis, L. S. Pettigrew; Associate Professors: E. E. Bell, B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier; Assistant Professors: M. Chvasta, S. Holman-Jones, J. Jorgenson, G. Rodman; Courtesy Faculty: M. Myerson.

Communication Sciences and Disorders

Community Experimental Learning
Coordinator: R. R. Jones.

Criminology

Economics

English

Environmental Science and Policy
Interim Chair: R. Brinkmann.

Geography
Geology

Gerontology

History

Humanities and American Studies

Interdisciplinary Social Sciences
Associate Director: S. E. Cahill; Coordinators: R. J. Gagan, M. Ostrenko, L. Wasson; Professors: S. E. Cahill, S. M. D. Stamps; Associate Professors: W. Cummings, J. Jones, L. Mayfield-Brown; Instructors: C. R. Kasee, M. Ostrenko, E. Schmidt, L. Wasson; Lecturer: R. J. Gagan.

Library and Information Science

Mass Communications

Mathematics

Medical Technology
Director: S. H. Grossman; Courtesy Professors: J. L. Browarsky (Tampa General Hospital), L. Davis (Bayfront Medical Center), N. M. Hardy (University Medical Center/Jacksonville), R. F. Holcomb (Florida Hospital), M. Patterson (St. Vincent’s Medical Center); Courtesy Lecturers: L. Chakkaphak (St. Vincent's Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schug (Bayfront Medical Center), J. Sigler (University Medical Center).

Philosophy

Physics

Political Science

Public Administration
Director: J. E. Pyne; Professors: J. E. Freisart, S. A. MacManus; Associate Professors: J. L. Daly, A. Njoh, J. E. Pyne; Assistant Professors: S. Calabrese, C. D. Pettijohn; Joint Appointments: Professors: J. C. Merrick; Associate Professors: J. E. Benton, P. N. Rigos.

Psychology
Rehabilitation and Mental Health Counseling
Chairperson: W. G. Emener; Distinguished Research Professor: W. G. Emener; Professors: J. D. Jasch; Associate Professors: C. Dixon, S. Kelley, T. J. Wright; Assistant Professors: M. Richard; Clinical Instructor: T. Evans, J. Ferrandino.

Religious Studies
Chairperson: D. Jorgensen; Professor: D. J. Fasching; D. Jorgensen, S. Mandell, M. G. Mitchell, J. F. Strange; Instructor: D. deChant; Other Faculty: M. Angrossino, J. S. Hatcher.

Social Work
Director: J. Amuso; Assistant Program Director: C. K. Bennett; Professors: W. S. Hutchison, C. S. Roberts; Associate Professors: G. J. Paveza, A. A. Smith, P. L. Smith, A. L. Strozler; Assistant Professors: D. Bassett, P. Ouellette, M. Rank; Instructors: C. K. Bennett, D. Ducett, S. Speer, C. Tate, R. Tilden; Courtesy Faculty: Instructors: M. L. Coulter; Visiting Faculty: J. Callan, J. Carpenter, M. Marley.

Sociology

Women’s Studies
Chairperson: O. Schutte; Professor Emeritus: L. L. McAlister; Associate Professors: I. Bartsch, G. Grewal, M. Myerson, K. Vaz; Assistant Professors: C. DiPalma, C. J. Eichner, I. Kwon.

World Language Education

ARTS AND SCIENCES COURSES

Africana Studies
AFS 2000 Introduction to the Black Experience [In Africa and Its Diaspora] 6A AF
AFS 4200 Slavery in the Americas and the Caribbean MW
AFS 4313 Black English MW
AFS 4333 Social Institutions and the African-American Community
AFS 4335 Black Women in America 6A MW
AFS 4350 African American Community Research MW
AFS 4502 Middle Passage MW AF HP
AFS 4900 Directed Readings
AFS 4931 Selected Topics in Africana Studies
AFS 5935 Issues in African Studies
AFS 2250 Culture and Society in Africa 6A AF
AFS 3253 African Literature Survey 6A LW
AFS 3251 Environmental - Cultural Study in Africa SS FA AF
AFS 4311 The African Diaspora: Blacks in the Construction of the Americas MV
AMH 3571 African American History to 1865 HP
AMH 3572 African American History since 1865 HP
AML 4303 Zora Neale Hurston: Major Works 6A MW LW
AML 4624 Black Women Writers 6A LW
CPO 4204 Government and Politics of Africa SS AF
ISS 5934 Selected Topics
PHM 4120 Major Black Thinkers MW (3)

American Studies (see Humanities and American Studies)

Anthropology
ANG 5901 Directed Reading
ANG 5910 Individual Research
ANG 5937 Seminar In Anthropology
ANT 1001 The Human Adventure
ANT 1149 Fantastic Archaeology: Mysteries of the Human Past
ANT 2000 Introduction to Anthropology SS AF
ANT 2410 Cultural Anthropology SS AF
ANT 2511 Biological Anthropology NS
ANT 3005 The Anthropological Perspective AF
ANT 3101 Archaeology SS
ANT 3610 Anthropological Linguistics SS
ANT 4034 Theories of Culture
ANT 4142 Old World Archaeology
ANT 4143 European Archaeology
ANT 4147 Environmental Archaeology
ANT 4153 North American Archaeology
ANT 4158 Florida Archaeology
ANT 4163 Mesoamerican Archaeology
ANT 4165 South American Archaeology
ANT 4172 Historical Archaeology 6A
ANT 4180 Laboratory Methods in Archaeology
ANT 4181 Museum Methods
ANT 4183C Archaeological Science
ANT 4231 Folklore 6A
ANT 4241 Magic and Religion 6A MW
ANT 4285 Oral History
ANT 4302 Gender in Cross-Cultural Perspective MW
ANT 4317 North American Indians
ANT 4316 Ethnic Diversity in the United States MW
ANT 4323 Mexico and Central America
ANT 4340 The Caribbean 6A MW
ANT 4390 Visual Anthropology
ANT 4401 Exploring Cross-Cultural Diversity MW
ANT 4432 The Individual and Culture 6A MW
ANT 4442 Urban Life and Culture
ANT 4462 Health, Illness, and Culture
ANT 4495 Methods in Cultural Research
ANT 4520 Forensic Anthropology
ANT 4586 Prehistoric Human Evolution NS
ANT 4591 Human Variation
ANT 4620 Language and Culture 6A
ANT 4701 Applied Anthropology
ANT 4750 Language and Social Interaction 6A
ANT 4824 Archaeological Field Methods
ANT 4901 Directed Reading
ANT 4905 Individual Research
ANT 4930 Special Topics in Anthropology
### Biology

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<td>ANT 4970</td>
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<td>ANT 5937a</td>
<td>Quantitative Methods in Applied Anthropology</td>
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### Astronomy

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### Bachelor of Independent Studies

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<td>IDS 4990 BIS</td>
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### Chemistry

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### Communication

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<td>ZOO 3203</td>
<td>Introduction to Communication Theory in Organizations</td>
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COM 3122 Interview Communication (3)
COM 3531 Advanced Research Lab (3)
COM 4020 Communicating Illness, Grief, and Loss 6A (3)
COM 4022 Health Communication (3)
COM 4030 Women and Communication 6A MW (3)
COM 4034 Communication and Organizational Change (3)
COM 4710 Writing Lives 6A (3)
COM 4942 Communication Intern Seminar (1-3)
COM 5930 Topics in Communication Studies (3)
ORI 2000 Introduction to Communication As Performance (3)
ORI 3950 Communication As Performance Laboratory (3)
ORI 4120 Performance of Poetry (3)
ORI 4130 Group Performance of Literature (3)
ORI 4931 Performance and Video (3)
ORI 5930 Topics in Performance Genres (3)
SPC 2541 Persuasion SS (3)
SPC 2600 Public Speaking SS (3)
SPC 3212 Communication Theory (3)
SPC 3230 Rhetorical Theory HP (3)
SPC 3301 Interpersonal Communication SS (3)
SPC 3425 Group Communication (3)
SPC 3513 Argumentation and Debate (3)
SPC 3602 Advanced Public Speaking (3)
SPC 3631 Rhetoric of the Sixties HP (3)
SPC 3653 Popular Forms of Public Communication (3)
SPC 3660 Rhetorical Analysis (3)
SPC 3710 Communication and Cultural Diversity SS (3)
SPC 4201 Oral Tradition MW (3)
SPC 4305 Communicating Emotions 6A (3)
SPC 4310 Relationships on Film (3)
SPC 4431 Family Communication (3)
SPC 4832 Rhetoric and Social Change 6A MW (3)
SPC 4883 Rhetorical Analysis of Mass Media (3)
SPC 4714 Communication, Culture and Community MW (3)
SPC 4900 Directed Readings (1-3)
SPC 4903 Honors Readings (3)
SPC 4905 Undergraduate Research (1-3)
SPC 4930 Selected Topics (1-3)
SPC 4932 Senior Seminar in Communication (3)
SPC 4970 Honors Thesis (3)
SPC 5238 Topics in Rhetorical Analysis (3)
SPC 5830 Topics in Discourse (3)

Communication Sciences and Disorders

SPA 3002 Introduction to Disorders of Speech and Language SS (3)
SPA 3004 Intro to Language Development and Disorders (3)
SPA 3111 Introduction to Speech Science (3)
SPA 3030 Introduction to Hearing Science (3)
SPA 3101 Anatomy and Physiology of the Speech and Hearing Mechanism (3)
SPA 3112 Applied Phonetics in Communication Disorders (3)
SPA 3310 Introduction to Disorders of Hearing (3)
SPA 3612C Basic American Sign Language (4)
SPA 3653 Overview of Language Learning in Deaf Children (3)
SPA 3653L Overview of Language Learning in Deaf Children Lab (1)
SPA 3660 Introduction to Interpreting in Public Schools (3)
SPA 3660L Introduction to Interpreting in Public Schools Lab (1)
SPA 3673 Introduction to Auditory Functions (3)
SPA 4000 Communication Disorders in the Public Schools (3)
SPA 4050 Introduction to the Clinical Process MW (3)
SPA 4201 Phonological Development and Disorders (3)
SPA 4210 Vocal Disorders (3)
SPA 4222 Fluency Disorders (3)
SPA 4331 Fundamentals of Fingerspelling (2)
SPA 4335 Sign Language Codes (3)
SPA 4355 Counseling of Communicatively Handicapped and Family (3)
SPA 4613C Intermediate American Sign Language (4)
SPA 4614C Advanced American Sign Language (4)
SPA 4851C American Sign Language Laboratory (1)
SPA 4617 Structure of Sign Language (3)
SPA 4662 Interpreting in Public Schools I (3)
SPA 4662L Interpreting in Public Schools I Lab (1)
SPA 4663 Interpreting in Public Schools II (1)
SPA 4663L Interpreting in Public Schools II Lab (1)
SPA 4685 Practicum: Interpreting in Schools (1-8)
SPA 4930 Selected Topics (1-5)
SPA 5132 Audiology Instrumentation (3)
SPA 5150 Advanced Speech Science (3)
SPA 5150L Speech Science Instrumentation (2)
SPA 5312 Advanced Human Science (3)
SPA 5312L Peripheral and Central Auditory Tests (4)
SPA 5328 Aural Rehabilitation: Adults (3)
SPA 5403 Communication Disorders: Language (3)
SPA 5408 Language-Learning in the School Age Years (3)
SPA 5506 Speech-Language Pathology and Audiology Practicum (1-8)
SPA 5552 Diagnostic Principles and Practices (2)

Community Experiential Learning

IDS 4910 Community Research (1-4)
IDS 4942 Community Internship (1-4)
IDS 4955 Internet Community Research (1-2)
IDS 4956 International Community Internship (1-4)

Criminology

CCJ 3003 Crime and Justice in America SS (4)
CCJ 3024 Survey of the Criminal Justice System SS (3)
CCJ 3204 Substantive Criminal Law (3)
CCJ 3610 Theories of Criminal Behavior (3)
CCJ 3621 Patterns of Criminal Behavior (3)
CCJ 373 Research Methods in Criminal Justice I (3)
CCJ 4109 Critical Issues in Policing (3)
CCJ 4110 American Law Enforcement Systems (3)
CCJ 4260 Environmental Law and Crime (3)
CCJ 4273 Criminal Rights and Procedures (3)
CCJ 4306 American Correctional Systems (3)
CCJ 4316 Correctional Administration (3)
CCJ 4331 Alternatives to Incarceration (3)
CCJ 4341 Intervention Techniques and Strategies (3)
CCJ 4450 Criminal Justice Administration (3)
CCJ 4501 Juvenile Justice System (3)
CCJ 4511 Police and Juvenile Delinquency (3)
CCJ 4513 Juveniles’ Rights and Procedures (3)
CCJ 4540 Juvenile Correctional Alternatives (3)
CCJ 4550 Developmental Aspects of Juvenile Delinquency (3)
CCJ 4604 Abnormal Behavior and Criminality (3)
CCJ 4652 Juvenile Substance Abuse (3)
CCJ 4700 Statistical Research Methods in Criminal Justice II (3)
CCJ 4801 Private Security Systems (3)
CCJ 4900 Directed Readings (1-3)
CCJ 4910 Directed Research (1-3)
CCJ 4933 Selected Topics in Criminology (3)
CCJ 4934 Seminar in Criminology 6A MW (3)
CCJ 4940 Internship For Criminal Justice Majors (3)
CCJ 4940 Internship For Criminal Justice Majors (3)

Economics

ECO 1000 Basic Economics SS (3)
ECO 2013 Economic Principles (Macroecomics) SS (3)
ECO 2023 Economic Principles (Microeconomics) SS (3)
ECO 2535 Selected Topics in Economics (1-3)
ECO 3100 Managerial Economics (3)
ECO 3101 Intermediate Price Theory (3)
ECO 3203 Intermediate Macroeconomics (3)
ECO 3622 American Economic History (3)
ECO 3703 International Economics MW (3)
ECO 4105 Advanced Price Theory (3)
ECO 4201 Advanced Macroeconomic Theory (3)
ECO 4233 History of Economic Thought (3)
ECO 4233 Radical Political Economy MW (3)
ECO 4401 Introduction to Mathematical Economics (3)
ECO 4421 Introduction to Econometrics (3)
ECO 4504 Public Finance (3)
ECO 4713 International Macroeconomics (3)
ECO 4723 International Trade and Policy (3)
ECO 4905 Independent Study (1-3)
ECO 4914 Independent Research (1-3)
ECO 4935 Selected Topics in Economics (1-3)
ECO 3201 Economics of Women and Work MW (3)
ECO 3203 Labor Economics (3)
ECO 3302 Environmental Economics MW (3)
ECO 3413 Economics of Regulation and Antitrust (3)
ECO 3530 Economics of Health (3)
ECO 3613 Economics of the Urban Environment MW (3)
ECO 3723 Collective Bargaining and Public Policy (3)
ECO 4451 Law and Economics (3)
ECO 4505 Economics of Crime (3)
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ECS 3013 Economic Development (3)
ECS 4003 Comparative Economic Systems MW (3)

English
AML 3031 American Literature From the Beginnings to 1860 (3)
AML 3032 American Literature From 1860 to 1912 (3)
AML 3051 American Literature From 1912-1945 (3)
AML 3453 Historical Perspectives in Early American Literature HP (3)
AML 3604 African American Literature 6A LW (3)
AML 4111 Nineteenth-Century American Novel (3)
AML 4112 Twentieth-Century American Novel (3)
AML 4261 Literature of the South (3)
AML 4330 Selected American Authors (3)
CRW 2100 Narration and Description 6A (3)
CRW 3111 Form and Technique of Fiction 6A (3)
CRW 3112 Fiction I 6A (3)
CRW 3121 Fiction II 6A (3)
CRW 3311 Form and Technique of Poetry (3)
CRW 3312 Poetry I (3)
CRW 3321 Poetry II (3)
CRW 4120 Fiction III (3)
CRW 4320 Poetry III (3)
CRW 4330 Selected Topics in Creative Writing (3)
ENC 1101 Composition I 6A EC (3)
ENC 1102 Composition II 6A EC (3)
ENC 1121 Composition I: Honors 6A EC (3)
ENC 1122 Composition II: Honors 6A EC (3)
ENC 2210 Technical Writing 6A (3)
ENC 3211 Communication for Engineers 6A (3)
ENC 3213 Professional Writing 6A (3)
ENC 4260 Advanced Technical Writing (3)
ENC 4311 Advanced Composition (3)
ENC 4931 Selected Topics in Professional and Technical Writing (3)
ENG 4013 Literary Criticism (3)
ENG 4060 History of the English Language (3)
ENG 4906 Individual Research (1-4)
ENG 4907 Directed Reading (3)
ENG 4935 Honors Seminar I (3)
ENG 4936 Honors Seminar II (3)
ENG 4970 Honors Thesis (3)
ENL 3015 British Literature to 1616 (3)
ENL 3230 British Literature 1616-1780 (3)
ENL 3231 British Literature 1780-1900 (3)
ENL 3273 British Literature 1900-1945 (3)
ENL 3323 Shakespearean Drama from a Historical Perspective HP (3)
ENL 3331 Early Shakespeare (3)
ENL 3332 Late Shakespeare (3)
ENL 4122 British Novel Through Hardy (3)
ENL 4132 British Novel: Conrad to the Present (3)
ENL 4303 Selected Authors (3)
ENL 4311 Chaucer (3)
ENL 4338 Advanced Studies in Shakespeare (3)
ENL 4341 Milton (3)
LIN 3670 English Grammar and Usage (3)
LIN 4671 Traditional English Grammar (3)
LIN 4690 Structure of American English (3)
LIT 2000 Introduction to Literature 6A HP (3)
LIT 2010 Introduction to Fiction 6A HP (3)
LIT 2030 Introduction to Poetry 6A HP (3)
LIT 2040 Introduction to Drama 6A HP (3)
LIT 3222 Modern Short Novel HP (3)
LIT 3043 Modern Drama (3)
LIT 3073 Contemporary Literature (3)
LIT 3101 Literature of the Western World Through the Renaissance 6A (3)
LIT 3102 Literature of the Western World Since the Renaissance 6A (3)
LIT 3103 Great Literature of the World 6A LW LW (3)
LIT 3144 Modern European Novel 6A HP (3)
LIT 3155 Modern Literature 6A LW (3)
LIT 3301 Cultural Studies and the Popular Arts 6A MW LW (3)
LIT 3374 The Bible As Literature MW (3)
LIT 3383 The Image of Women in Literature 6A MW LW (3)
LIT 3410 Religious and Existential Themes (3)
LIT 3451 Literature and the Occult 6A MW LW (3)
LIT 3700 Survey of Poetry (3)
LIT 4396 British and American Literature by Women 6A MW LW (3)
LIT 4804 Literature as Cultural Study MW (3)
LIT 4900 Selected Topics in English Studies (3)
REA 1105 Advanced Reading (3)

Environmental Science and Policy
EVR 2001 Introduction to Environmental Science NS (3)
EVR 2001L Environmental Science Lab (1)
EVR 2001L Introduction to Environmental Policy (3)
EVR 4027 Wetland Environments MW (3)
EVR 4900 Directed Readings (1-6)
EVR 4905 Independent Study (1-6)
EVR 4910 Environmental Science and Policy Project (1)
EVR 4921 Environmental Science and Policy Seminar (1)
EVR 4930 Selected Topics (1-4)
EVR 4940 Environmental Science Internship (3)

Geography
GEA 2000 World Regional Geography SS HP AF (4)
GEA 3194 Regional Geography (4)
GEA 3300 Geography of Middle America (4)
GEA 3405 Geography of Latin America 6A (4)
GEA 3500 Geography of Europe 6A (4)
GEA 3554 Geography of the USSR (4)
GEA 3600 Geography of Africa (4)
GEA 3703 Geography of Asia (4)
GEO 1930 Geography of Current Events SS (4)
GEO 2041C Map Interpretation (4)
GEO 2371 Introduction to Earth Systems Science NS (3)
GEO 3013 Introduction to Physical Geography NS (3)
GEO 3013L Introduction to Physical Geography Lab (1)
GEO 3164C Quantitative Methods (3)
GEO 3180 Digital Thematic Mapping (4)
GEO 3402 Human Geography (4)
GEO 3602 Urban Geography (4)
GEO 4114C Geographic Techniques and Methodology (4)
GEO 4131C Remote Sensing of the Environment (4)
GEO 4151C Geographic Information Systems (4)
GEO 4201C Advanced Physical Geography (4)
GEO 4210 Process Geomorphology (4)
GEO 4265 Soil Genesis and Classification (3)
GEO 4280C Hydrology (4)
GEO 4300 Biogeography (4)
GEO 4430 Natural Hazards (4)
GEO 4472 Global Conservation 6A MW (4)
GEO 4421 Cultural Geography (4)
GEO 4470 Political Geography MW (4)
GEO 4502 Economic Geography (4)
GEO 4604 Advanced Urban Geography MW (4)
GEO 4700 Transportation Geography (4)
GEO 4900 Directed Reading (1-4)
GEO 4910 Individual Research (3)
GEO 4933 Geography Colloquium (1)
GEO 5134C Advanced Remote Sensing (3)
GEO 5157 Advanced Geographic Information Systems (3)
GEO 5177 GIS for Non-Majors (3)
GEO 5215 Advances in Geomorphology (3)
GEO 5263 Advances in Soils (3)
GEO 5288 Hydrological Systems (3)
GEO 5347 Advances in Natural Hazards (3)
GEO 5475 Advanced Political Geography (3)
GEO 5545 Advanced Economic Geography (3)
GEO 5605 Contemporary Urban Issues (3)
GEO 5704 Advanced Transportation Geography (3)
MET 4002 Climatology (4)
MET 4010C Meteorology (4)
MET 4532C Tropical Meteorology (4)
URP 4052 Urban and Regional Planning (4)

Geology
GLY 2010 Dynamic Earth: Introduction to Physical Geology NS (3)
GLY 2010L Dynamic Earth Laboratory (1)
GLY 2015L Essentials of Geology Laboratory (1)
GLY 2030 Environmental Geology NS (3)
GLY 2038 Earth and Environmental Geology NS (3)
GLY 2040 Origins: From the Big Bang to the Ice Age NS (3)
GLY 2050 Science, Earth, and Life NS (3)
GLY 2100 History of the Earth and Life NS (3)
GLY 2100L Earth History Laboratory (1)
GLY 2930 Selected Topics in Geology (1-3)
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GLY 3104 Geologic Time
(4)
GLY 3200 Mineralogy
(4)
GLY 3311 The Solid Earth: Petrology and Geochemistry
(4)
GLY 3400C Structural Geology
(4)
GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure
(4)
GLY 3554C The Earth’s Surface
(4)
GLY 3610C Introduction to Invertebrate Paleontology
(4)
GLY 3720C The Fluid Earth
(4)
GLY 3850 Geology For Engineers
(3)
GLY 4045 Moons, Planets, and Meteors: An Introduction to Planetary Science XMW
(3)
GLY 4053 Theories and Arguments about the Earth MV
(3)
GLY 4150 Conceptual Geology
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GLY 4310 Petrology
(4)
GLY 4550 Depositional Systems
(4)
GLY 4552C Sedimentary Geology and Geochemistry
(4)
GLY 4700 Geomorphology
(4)
GLY 4734 Beaches and Coastal Environments MV
(3)
GLY 4780 Geological Field Studies (1-3)
GLY 4803 Geology and Development of Modern Africa MV
(3)
GLY 4822 Introduction to Hydrogeology
(4)
GLY 4905 Independent Study
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GLY 4915 Undergraduate Research
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GLY 4920 Geology Colloquium
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GLY 4921 Geocommunications
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GLY 4930 Selected Topics in Geology
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GLY 4947L Practical and Applied Geology
(1)
GLY 4970 Undergraduate Honors Thesis
(2)
GLY 5572 Geological Field Excursion
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GLY 5585 Statistical Models in Geology
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GLY 5592 Selected Topics in Geology
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Gerontology

DEP 2004 The Life Cycle
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GEY 2000 Introduction to Gerontology SS
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GEY 3323 Community Services for Older Adults
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GEY 3326 Aging in the 21st Century SS
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GEY 3501 Physical Changes and Aging
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GEY 3625 Sociocultural Aspects of Aging 6A SS AF
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GEY 4322 Gerontological Case Management
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GEY 4327 Long-Term Care Administration I
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GEY 4360 Gerontological Counseling
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GEY 4608 Alzheimer’s Disease Management
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GEY 4612 Psychology of Aging SS
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GEY 4628 Minority Aging SS
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GEY 4635 Business Management in an Aging Society XMW
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GEY 4641 Death and Dying SS
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GEY 4647 Ethical and Legal Issues of Aging SS MW
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GEY 4935 Special Topics in Gerontology
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GEY 4945 Field Placement
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GEY 5620 Sociological Aspects Of Aging
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GEY 5630 Economics and Aging
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GEY 5642 Perspectives on Death and Dying
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History

AFH 3100 African History to 1850 HP AF
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AFH 3200 African History since 1850 HP AF
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AMH 2010 American History I HP
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AMH 2020 American History II HP
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AMH 3091 American Revolutionary History to 1750
(3)
AMH 3130 The American Revolutionary Era
(4)
AMH 3140 The Age of Jefferson
(4)
AMH 3160 The Age of Jackson
(4)
AMH 3170 The Civil War and Reconstruction
(4)
AMH 3201 The United States, 1877-1914
(4)
AMH 3231 The United States, 1914-1945
(4)
AMH 3270 The United States Since 1945
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AMH 3420 The United States since 1865
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AMH 3421 Early Florida
(4)
AMH 3423 Modern Florida
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AMH 3500 American Labor History
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AMH 3510 U.S. Diplomatic History to 1898 6A
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AMH 3511 U.S. Diplomatic History in the 20th Century
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AMH 3530 Immigration History
(4)
AMH 3540 United States Military History
(4)
AMH 3545 War and American Empire
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AMH 3561 American Women I
(4)
AMH 3562 American Women II
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AMH 3563 History of Canada
(4)
ASH 3404 Modern China SS HP AF
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ASH 3501 History of India
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EIH 2011 Ancient History I HP
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EIH 2012 Ancient History II HP
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EIH 2021 Medieval History I HP
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EIH 2022 Medieval History II HP
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EIH 2030 Modern European History I HP
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EIH 2031 Modern European History II HP
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EIH 3181 Medieval Culture
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EIH 3185 Viking History
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EIH 3189 Medieval Society
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EIH 3189 Medieval Politics
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EIH 3202 History of 17th and 18th Century Europe
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EIH 3205 History of Nineteenth Century Europe
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EIH 3206 History of Twentieth Century Europe
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EIH 3402 Age of Alexander
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EIH 3413 Roman Empire
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EIH 3461 German History to 1870
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EIH 3462 German History 1870 to the Present
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EIH 3501 British History to 1688
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EIH 3502 British History 1688 to Present
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EIH 3574 History of Imperial Russia, 1689-1917
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HIS 3308 War and Society MV
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HIS 3474 Science and Civilization
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HIS 3930 Special Topics
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HIS 3938 Issues in History MV
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HIS 4104 Theory of History
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HIS 4900 Directed Reading
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HIS 4920 Colloquium in History
(2-4)
HIS 4935 Pre-Seminar in History 6A MV
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LAH 2020 Latin American Civilization HP AF
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LAH 2734 Latin American History in Film HP AF
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LAH 3130 Colonial Latin America
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LAH 3200 Modern Latin America
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LAH 3430 History of Mexico
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LAH 3470 History of the Caribbean
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LAH 3480 History of Cuba
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Humanities and American Studies

AMS 2030 Introduction to American Studies SS HP
(3)
AMS 2201 Colonial America SS HP
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AMS 2212 Nineteenth-century American Culture HP
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AMS 2270 Twentieth-century American Culture HP
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AMS 2363 Issues in American Civilization
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AMS 3001 American Culture 1880-1915 6A HP
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AMS 3210 Regions of America HP
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AMS 3230 America During the 20s and 30s
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AMS 3260 American Culture, 1830-1860 6A HP
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AMS 3370 Southern Women: Myth and Reality 6A HP
(3)
AMS 3601 Material Culture and American Society SS HP
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AMS 3700 Racism in American Society SS HP
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AMS 3930 Selected Topics in American Studies
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AMS 4152 Film in American Culture
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AMS 4804 Major Ideas in America MM
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AMS 4910 Individual Research
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AMS 4930 Selected Topics in American Studies
(1-4)
AMS 4940 Senior Seminar in American Studies
(4)
AMS 4940 Internship in American Studies
(1-4)
HUM 2024 The Arts FA
(3)
HUM 2211 Studies in Culture: The Classical Through Medieval Periods HP
(3)
HUM 2243 Studies in Culture: The Renaissance Through the Twentieth Century HP
(3)
HUM 2930 Selected Topics
(1-4)
HUM 3251 The South in Culture: The Twentieth Century HP
(3)
HUM 3271 Eastern and Western Culture from Antiquity to 1400 AF
(3)
HUM 3273 Eastern and Western Culture since 1400 AF
(3)
HUM 3350 Selected Topics in Humanities
(1-4)
HUM 4402 Humanities in India
(4)
COLLEGE OF ARTS AND SCIENCES

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HUM 4404 Humanities in China (4)
HUM 4405 Humanities in Japan (4)
HUM 4433 Ancient Greek Culture (4)
HUM 4435 Early Medieval Culture (4)
HUM 4437 Italian Renaissance Culture (4)
HUM 4938 Northern Renaissance Culture (4)
HUM 4440 Arts and Letters in the 17th and 18th Centuries (4)
HUM 4442 Arts and Letters of the Romantic Period (4)
HUM 4444 Nineteenth Century European Arts and Letters (4)
HUM 4945 Twentieth Century Arts and Letters I (4)
HUM 4446 Twentieth Century Arts and Letters II (4)
HUM 4452 Nineteenth Century American Culture (4)
HUM 4455 Twentieth Century American Culture (4)
HUM 4952 Ancient Latin American Culture (4)
HUM 4464 Latin American Culture Since 1492 (4)
HUM 4905 Directed Study (1-4)
HUM 4930 Selected Topics in Humanities (1-4)
HUM 4931 Seminar in Humanities 6A (4)
HUM 4938 Major Issues in the Humanities MW (3)
HUM 4940 Internship in Humanities (1-4)
HUM 4941 Study on Location (1-4)
PSC 3000 Photography in American Culture (3)

Interdisciplinary Social Sciences
ISS 1101 Knowledge and Society SS (3)
ISS 1102 Self and Society SS (3)
ISS 1103 Nature and Culture SS (3)
ISS 1105 Introduction to the Social Sciences (3)
ISS 3930 Selected Topics in the Social Sciences (1-4)
ISS 4151 Native American Women (3)
ISS 4162 The City and Urbanization (3)
ISS 4900 Directed Readings (1-3)
ISS 4910 Directed Research (1-3)
ISS 4935 Seminar in the Social Sciences MW (3)
STA 2122 Social Science Statistics 6A QM (3)

International Studies
AFA 4150 Africa and the United States 6A SS HP AF (3)
ASN 3012 Japan Today SS (3)
ASN 3014 China Today AF (3)
ASN 3030 The Middle East AF (3)
ASN 3105 The Pacific Century SS HP AF (3)
EUS 3000 Europe SS (3)
EUS 3022 Russia SS HP AF (3)
INR 1015 World Perspective SS AF (3)
INR 3003 Introduction to International Studies (3)
INR 3018 World Ideologies MW (3)
INR 3033 International Political Cultures MW (3)
INR 3038 International Wealth and Power SS (3)
INR 3081 International Issues and Actors (3)
INR 3094 International Terrorism SS AF (3)
INR 3141 Global Security Policy (3)
INR 3202 International Human Rights MW (3)
INR 3336 Intelligence and U.S. Foreign Policy (3)
INR 3955 Overseas Study (1-6)
INR 4089 Conflict In The World MV (3)
INR 4250 Political Economy of the Southern Nations SS AF (3)
INR 4900 Directed Readings (1-3)
INR 4910 Directed Research (1-3)
INR 4931 Selected Topics (1-4)
INR 4936 Senior Seminar MW (3)
INR 4943 Internship in International Studies (3-5)
LAS 3002 Latin America (3)
LAS 3004 The Americas - Latin and Caribbean (3)
LAS 3116 Latin America Through Film AF (3)

Languages and Linguistics
ARA 1120 Modern Arabic I (4)
ARA 1120L Modern Arabic I Laboratory (1)
ARA 1121 Modern Arabic II (4)
ARA 1121L Modern Arabic II Laboratory (1)
ARA 2200 Modern Arabic III (4)
ARA 2201 Modern Arabic IV (4)
ARA 4905 Directed Study (1-5)
ARA 4930 Selected Topics (1-5)
CHI 1120 Modern Chinese I (1)
CHI 1120L Modern Chinese I Laboratory (1)
CHI 1121 Modern Chinese II (4)
CHI 1121L Modern Chinese II Laboratory (1)
CHI 2200 Modern Chinese III (4)
CHI 2201 Modern Chinese IV (4)
CHI 4905 Directed Study (1-5)
CLA 3103 Greek Civilization HP (3)
CLA 3123 Roman Civilization HP (3)
CLT 3040 Scientific and Medical Terminology (3)
CLT 3101 Greek Literature in Translation 6A MW (3)
CLT 3102 Roman Literature in Translation 6A MW (3)
CLT 3370 Classical Mythology HP (3)
ENS 1483 English for Foreign Students I (3)
ENS 1484 English for Foreign Students II (3)
FOL 3100 General Foreign Language I (1-4)
FOL 4101 General Foreign Language II (1-4)
FOL 4905 Directed Study (1-3)
FOL 5906 Directed Study (1-3)
FRE 1040 French For Reading (3)
FRE 1120 Beginning French I (4)
FRE 1120L Beginning French I Laboratory (1)
FRE 1121 Beginning French II (4)
FRE 1121L Beginning French II Laboratory (1)
FRE 1170 Overseas Study-Elem. French (4)
FRE 2200 French III (3)
FRE 2201 French IV (3)
FRE 2240 Conversation II (3)
FRE 2241 Conversation I (3)
FRE 2270 Overseas Study Intro. French (1-6)
FRE 3230 Reading in French Literature and Culture (3)
FRE 3420 Composition I (3)
FRE 3440 French For Business (3)
FRE 3470 Overseas Study (1-6)
FRE 3500 French Civilization (3)
FRE 3502 The Francophone World (3)
FRE 4392 African Images in Francophone Film HP AF SS MW (3)
FRE 4421 Composition II (3)
FRE 4471 Advanced Overseas Study (1-6)
FRE 4700 French Linguistics (3)
FRE 4905 Directed Study (1-3)
FRE 4930 Selected Topics (1-3)
FRE 5425 Advanced Written Expression (3)
FRE 5566 Contemporary France (3)
FRT 3001 Great French Love Stories in Translation MW (3)
FRT 3140 French Literary Masterpieces in English (3)
FRW 4100 The French Novel 6A MW LW (3)
FRW 4101 Introduction to French Drama and Poetry 6A MW LW (3)
FRW 5222 World Literature Prose and Poetry (3)
FRW 5226 20th Century Poetry and Theatre (3)
FRW 5286 The 20th Century Novel (3)
FRW 5314 Classical Drama (3)
FRW 5315 Literature of the Middle Ages (3)
FRW 5425 Literature of the Renaissance (3)
FRW 5445 18th Century Literature (3)
FRW 5526 Pre-Romanticism (3)
FRW 5535 Romanticism and Early Realism (3)
FRW 5556 Naturalism and Realism (3)
FRW 5934 Selected Topics (1-3)
GER 1120 Beginning German I (4)
GER 1120L Beginning German I Laboratory (1)
GER 1121 Beginning German II (4)
GER 1121L Beginning German II Laboratory (1)
GER 2200 German III (3)
GER 2201 German IV (3)
GER 2240 Conversation I (3)
GER 3420 Composition II (3)
GER 3440 German for Business and International Trade (3)
GER 3500 German Civilization (3)
GER 4410 Conversation II (3)
GER 4421 Composition II (3)
GER 5505 Goethe (3)
GER 5545 History of the German Language (3)
GET 3100 German Literature in English Translation MW (3)
GEW 4100 Survey of German Literature I (4)
GEW 4101 Survey of German Literature II (4)
GEW 4905 Directed Study (1-5)
GEW 4930 Selected Topics (1-3)
GEW 5475 20th Century Literature to 1945 (3)
GEW 5489 20th Century Literature: 1945 to Present (3)
GEW 5515 The Enlightenment (3)
GEW 5545 Romanticism (3)
GEW5555 Realism (3)  RUS1121 Beginning Russian II (4)
GEW 5605 Faust (3)  RUS1201L Beginning Russian II Laboratory (4)
GEW 5615 Schiller (3)  RUS2200 Russian III (4)
GEW 5934 Selected Topics (1-3)  RUS2201 Russian IV (4)
GRE 1120 Beginning Classical Greek I (4)  RUS2270 Overseas Study (1-6)
GRE 1121 Beginning Classical Greek II (4)  RUS2421 Conversation II (4)
GRE 2200 Intermediate Classical Greek (4)  RUS3470 Overseas Study (1-6)
GRK 1120 Beginning Modern Greek I (4)  RUS3500 Russian Civilization 6A MW (3)
GRK 1120L Beginning Modern Greek I Laboratory (1)  RUS4241 Conversation Ill (4)
GRK 1121 Beginning Modern Greek II (4)  RUS4403 Advanced Russian Conversation & Composition I (4)
GRK 1121L Modern Greek II Laboratory (1)  RUS4403 Advanced Russian Conversation & Composition II (4)
GRK 2200 Modern Greek III (4)  RUS4471 Advanced Overseas Study (1-6)
GRK 2201 Modern Greek IV (4)  RUS4900 Selected Topics (1-3)
GRK 4905 Directed Study (1-5)  RUS4905 Directed Study (1-3)
GRK 4930 Selected Topics (1-5)  RUT3110 Russian Classics in English 6A MW LW (3)
GRW 4905 Directed Reading (1-4)  RUT3111 Twentieth-Century Russian Literature in English 6A MW
GRW 5934 Selected Topics (4)  SPN1120 Beginning Spanish I (3)
HBR 1120 Modern Hebrew I (4)  SPN1120L Beginning Spanish I Laboratory (1)
HBR 1120L Modern Hebrew I Laboratory (1)  SPN1121 Beginning Spanish II (4)
HBR 1121 Modern Hebrew II (4)  SPN1121L Beginning Spanish II Laboratory (1)
HBR 2200 Modern Hebrew III (4)  SPN1130 Accelerated Spanish For Near-Native Speakers and Others (1-6)
HBR 4905 Directed Study (1-5)  SPN2200 Spanish III (3)
ITA 1120 Beginning Italian I (4)  SPN2201 Spanish IV (3)
ITA 1120L Beginning Italian Laboratory (1)  SPN2241 Conversation I (3)
ITA 1121 Beginning Italian II (4)  SPN2241 Conversation II (3)
ITA 1121L Beginning Italian II Laboratory (1)  SPN2270 Overseas Study (1-6)
ITA 2200 Intermediate Italian I (3)  SPN3300 Compositions (3)
ITA 2200L Italian Conversation I (4)  SPN3341 Advanced Spanish for Native Speakers I (3)
ITA 2241 Italian Conversation II (4)  SPN3341 Advanced Spanish for Native Speakers II (3)
ITA 3420 Composition (3)  SPN3440 Spanish For Business (3)
ITA 3470 Overseas Study (1-6)  SPN3441 Advanced Spanish for Business Writing (3)
ITW 4100 Survey of Italian Literature I (4)  SPN3500 Spanish Civilization (3)
ITW 4101 Survey of Italian Literature II (4)  SPN3520 Spanish American Civilization (3)
ITW 4905 Directed Study (1-3)  SPN4301 Expository Writing (3)
JPN 1120 Modern Japanese I (4)  SPN4410 Advanced Conversation (3)
JPN 1120L Modern Japanese I Laboratory (1)  SPN4470 Advanced Overseas Study (1-6)
JPN 1121 Modern Japanese II (4)  SPN4700 Spanish Linguistics (3)
JPN 1121L Modern Japanese II Laboratory (1)  SPN5525 Modern Spanish American Civilization (3)
JPN 2200 Modern Japanese III (4)  SPN5567 Modern Spanish Civilization (3)
JPN 2201 Modern Japanese IV (3)  SPT2524 Women Writers of Latin America AF
JPN 4905 Directed Study (1-5)  SPW3030 Introduction to Hispanic Literature (3)
JPN 4930 Selected Topics (1-5)  SPW4100 Survey of Spanish Literature I (3)
LAT 1120 Beginning Latin I (4)  SPW4101 Survey of Spanish Literature II (3)
LAT 1121 Beginning Latin II (4)  SPW4131 Survey of Spanish-American Literature (3)
LAT 2200 Intermediate Latin (4)  SPW4900 Directed Study (1-3)
LIN 3010 Introduction to Linguistics (3)  SPW4930 Selected Topics (1-3)
LIN 3011 Language and Meaning 6A (3)  SPW5135 Colonial Spanish American Literature (3)
LIN 4040 Descriptive Linguistics (3)  SPW5335 Spanish American Drama and Poetry (3)
LIN 4575 Language Types of the World (1)  SPW5387 Spanish American Prose (3)
LIN 4600 Language and Society (3)  SPW5388 Golden Age Poetry and Drama (3)
LIN 4710 Language and Communication: Acquisition and Development (3)  SPW5405 Medieval Literature
LIN 4903 Directed Reading (1-3)  SPW5465 19th Century Literature (3)
LIN 4930 Selected Topics (1-3)  SPW5605 Cervantes
LIN 5700 Applied Linguistics (3)  SPW5725 Generation of 1898 (3)
LNW 2660 Vergil (4)  SPW5726 Vanguard Literature 1918 and 1936
LNW 4381 Livy (4)  SPW5934 Selected Topics (3)
LNW 4500 Cicero and Roman Philosophy (4)  TSL4374 Methodology of Teaching English Overseas (3)
LNW 4501 Seneque and Roman Philosophy (4)  TSL5321 ESOL Strategies for Content Area Teachers (3)
LNW 4634 Catullus (4)  TSL5371 Methods of Teaching English As A Second Language (3)
LNW 4644 Cicero (4)  TSL5372 ESOL Curriculum and Instruction (3)
LNW 4654 Horace (4)  TSL5471 Language Testing (3)
LNW 4670 Ovid (4)  TSL5475 Cross-Cultural Issues in ESL (5)
LNW 4900 Directed Reading (1-4)  YOR1200 Youba I (4)
LNW 4930 Selected Topics (4)  Library and Information Science
LNW 5900 Directed Reading (1-4)  LIS2001 Library and Information Skills (3)
LNW 5934 Selected Topics (1-4)  LIS2002 Introduction to the Internet (3)
POL 1120 Beginning Polish I (4)  LIS2937 Selected Topics in Library/Information Science (1-3)
POL 1120L Beginning Polish I Laboratory (1)  LIS3351 World Wide Web Design and Management
POL 1121 Beginning Polish II (4)  LIS4390 Selected Topics in Information Studies (3)
POL 2200 Intermediate Polish II Laboratory (1-5)  LIS5288 Microcomputer Applications Library and Information Centers (3)
POL 4905 Directed Study (1-5)  LIS5315 Instructional Graphics (3)
POR 1120 Beginning Portuguese I (4)  LIS5333 TV in Schools and Libraries (3)
POR 1121 Beginning Portuguese II (4)  LIS5404 Foundations of Library and Information Science (3)
POR 1121L Beginning Portuguese II Laboratory (1)  LIS5937 Selected Topics in Library Studies (1-4)
POR 2200 Intermediate Portuguese I (3)  RUS1120 Beginning Russian I
POR 2201 Intermediate Portuguese II (3)  RUS1120 Beginning Russian II
Mass Communications
ADV 3000 Introduction to Advertising (3)
ADV 3101 Advertising Copywriting (3)
ADV 3103 Radio-Television Advertising (3)
ADV 3200 Advertising Design (3)
ADV 3300 Advertising Media Strategy (3)
ADV 3501 Advertising Research (3)
ADV 3700 Retail Advertising Planning and Execution (3)
ADV 4600 Advertising Management (3)
ADV 4800 Advertising Campaigns (3)
ADV 4940 Advertising Pracitcum (1)
FIL 3300 The Film as Mass Communication I: Syntax (3)
FIL 3400 The Film as Mass Communication II: Rhetoric and Stylistics (3)
FIL 4040 Social History of the Film, 1945 to the Present (3)
JOU 2100 Beginning Reporting (3)
JOU 3101 Advanced Reporting (3)
JOU 3300 Magazine Article and Feature Writing (3)
JOU 3306 Critical Writing: Editorials, Reviews, Columns (3)
JOU 3940 Reporting Practicum (1)
JOU 4104 Public Affairs Reporting (3)
JOU 4200 News Writing I (3)
JOU 4206 Newspaper Publicaiton Design (3)
JOU 4212 Magazine Design and Production (3)
JOU 4941 Editing Practicum (1)
JOU 4944 Magazine Practicum (3)
JOU 5105 Newswriting and Editing (3)
JOU 5305 Explorations in Newwriting (3)
MMC 2100 Writing for the Mass Media (3)
MMC 3602 Mass Communications and Society SS HP (3)
MMC 4123 Media Script Writing (3)
MMC 4201 History and Principles of Communications Law (3)
MMC 4203 Communication Ethics (3)
MMC 4420 Research Methods in Mass Communications (3)
MMC 4900 Directed Reading in Mass Communications (1-3)
MMC 5101 Individual Research in Mass Communications (1-3)
MMC 4936 Selected Topics in Mass Communications Studies (1-3)
MMC 4945 Media Internship-Seminar (3)
PGY 2110 Color Photography (3)
PGY 2810 Photographic I (3)
PGY 3620 Photographic II (3)
PUR 3000 Principles of Public Relations (3)
PUR 3500 Public Relations Research (3)
PUR 4100 Writing For Public Relations (3)
PUR 4103 Public Relations Design and Production (3)
PUR 4401 Public Relations: Issues, Practices and Problems (3)
PUR 4700 Public Relations Practicum (1)
PUR 4801 Advanced Public Relations (3)
RTV 2100 Writing For Radio and TV (3)
RTV 3000 Introduction to Telecommunications (3)
RTV 3301 Broadcast News (4)
RTV 3341 Radio Practicum (3)
RTV 4220 TV Production and Direction (3)
RTV 4204 TV News (3)
RTV 4320 Electronic Field Production (3)
RTV 4500 Telecommunications Programming Management (3)
RTV 4700 Telecommunications Law and Policy (3)
RTV 4942 TV Practicum (1)
VIC 3001 Introduction to Visual Communications (3)
VIC 3943 Visual Communication Practicum (1)

Mathematics
CGS 3414 Problem Solving Using Pascal or C 6A (3)
COP 4313 Symbolic Computations in Mathematics 6A (3)
MAA 2211 Intermediate Analysis I 6A (4)
MAA 2212 Intermediate Analysis II 6A (4)
MAA 4402 Complex Variables 6A (3)
MAA 5306 Real Analysis I (3)
MMA 5307 Real Analysis II (3)
MAA 5405 Applied Complex Analysis (3)
MAC 1105 College Algebra 6A QM (4)
MAC 1114 Precalculus Trigonometry 6A (2)
MAC 1140 Precalculus Algebra 6A QM (3)
MAC 1147 Precalculus Algebra and Trigonometry 6A QM (4)
MAC 2230 Business Calculus 6A QM (4)
MAC 2233 Life Sciences Calculus I 6A QM (4)
MAC 2234 Life Sciences Calculus II 6A QM (4)
MAC 2280 Engineering Calculus I 6A QM (4)
MAC 2282 Engineering Calculus II 6A QM (4)
MAC 2283 Engineering Calculus III 6A QM (4)
MAC 2311 Calculus I 6A QM (4)
MAC 2312 Calculus II 6A QM (4)
MAC 2313 Calculus III 6A (4)
MAC 2314 Discrete Mathematics 6A (3)
MAC 4401 Numerical Analysis 6A (3)
MAC 4504 Theory of Computation 6A (3)
MAC 5101 Discrete Mathematics 6A (4)
MAC 5305 Graph Theory (3)
MAE 5875 Abstract Algebra for Teachers (3)
MAE 5877 Mathematical Analysis For Teachers (3)
MAP 5302 Differential Equations 6A (3)
MAP 5316 Ordinary Differential Equations I (3)
MAP 5317 Ordinary Differential Equations II (3)
MAP 5345 Applied Partial Differential Equations (3)
MAP 5407 Methods of Applied Mathematics (3)
MAS 1100 Consecutive Number Theory and Linear Algebra 6A (3)
MAS 3105 Linear Algebra 6A (4)
MAS 4124 Numerical Linear Algebra 6A (3)
MAS 4156 Vector Calculus 6A (4)
MAS 4214 Elementary Number Theory 6A (3)
MAS 4301 Elementary Abstract Algebra 6A (3)
MAS 5107 Advanced Linear Algebra (3)
MAS 5215 Number Theory (3)
MAS 5311 Algebra I (3)
MAS 5312 Algebra II (3)
MAT 2930 Selected Topics in Mathematics 6A (1-4)
MAT 2938 Technology Seminar 6A (1)
MAT 4906 Independent Study 6A (1-4)
MAT 4930 Selected Topics in Mathematics 6A (1-4)
MAT 4937 Mathematics for Teachers Seminar 6A (3)
MAT 4970 Mathematics Senior Thesis 6A (3)
MAT 5932 Selected Topics (1-4)
MGF 1106 Finite Mathematics 6A QM (3)
MGF 1107 Mathematics for Liberal Arts 6A QM (3)
MGF 1116 Mathematical Experience 6A (3)
MGF 1131 Chaos and Fractals 6A QM (3)
MGF 3301 Bridge to Abstract Mathematics 6A QM (4)
MHF 4403 The Early History of Mathematics 6A MW (3)
MHF 5306 Mathematical Logic and Foundations I (3)
MHF 5405 History of Modern Mathematics (3)
MTG 3212 Geometry 6A (3)
MTG 3610 Modern Geometry 6A (3)
MTG 4214 Introduction to Topology 6A (3)
MTG 5256 Differential Geometry (3)
MTG 5316 Topology I (3)
MTG 5317 Topology II (3)
STA 1022 Basic Statistics 6A QM (3)
STA 2023 Introductory Statistics I 6A QM (4)
STA 3024 Introductory Statistics II 6A MW (3)
STA 4321 Introduction to Statistics 6A (3)
STA 4442 Introduction to Probability 6A (3)
STA 5166 Computational Statistics I (3)
STA 5228 Sampling Techniques (3)
STA 5326 Mathematical Statistics (3)
STA 5446 Probability Theory I (3)
STA 5526 Non-Parametric Statistics (3)

Medical Technology
MLS 4031 Introduction to Medical Technology (2)
MLS 4860 Clinical Urinalysis and Body Fluids (2)
MLS 4861 Clinical Immunology (2)
MLS 4862 Clinical Hematology (6)
MLS 4863 Clinical Microbiology (6)
MLS 4864 Clinical Chemistry (6)
MLS 4865 Clinical Immunohematology (6)
MLS 4866 Clinical Laboratory Management and Education (1)

Philosophy
PHH 2000 Introduction to Philosophy 6A HP (3)
PHH 3062 History of Philosophy: Ancient and Medieval (3)
PHH 3420 History of Philosophy: Modern (3)
PHH 3440 Continental Philosophy (3)
PHH 4600 Contemporary Philosophy 6A MW (3)
PHH 4700 American Philosophy 6A MW (3)
PHH 5120 Chinese Philosophy (3)
PHI 1103 Critical Thinking (3)
PHI 2100 Introduction to Formal Logic 6A QM (3)
PHI 2600 Ethical Theory (3)
PHI 3611 Ethics and Business SS (3)
PHI 3404 Scientific Method (3)
PHI 3630 Contemporary Moral Issues SS (3)
PHI 3633 Biomedical Ethics (3)
PHI 3635 Professional Ethics (3)
PHI 3640 Environmental Ethics SS (3)
PHI 3700 Philosophy of Religion 6A SS (3)
PHI 3905 Directed Study (1-4)
PHI 3910 Selected Topics (1-4)
PHI 4073 African Philosophy MW (3)
PHI 4300 Theory of Knowledge 6A MW (3)
PHI 4320 Philosophy of Mind 6A MW (3)
PHI 4632 Feminist Ethics MW (3)
PHI 4670 Contemporary Ethical Theory (3)
PHI 4800 Aesthetics 6A MW (3)
PHI 4905 Directed Study (1-4)
PHI 4930 Selected Topics (1-3)
PHI 5135 Symbolic Logic (3)
PHI 5225 Philosophy of Language (3)
PHI 5639 Social Issues in Biomedical Ethics (3)
PHI 5913 Research (1-4)
PHM 3100 Social Philosophy 6A SS HP (3)
PHM 3400 Introduction to Philosophy of Law (3)
PHM 4322 Ancient and Medieval Political Philosophy MW (3)
PHM 4331 Modern Political Philosophy 6A MW (3)
PHM 4340 Contemporary Political Philosophy 6A MW (3)
PHM 5125 Topics in Feminist Philosophy (3)
PHM 5126 Social Issues in Biomedical Ethics (3)
PHM 370 Existentialism 6A HP (3)
PHP 4000 Plato 6A MW (3)
PHP 4010 Aristotle 6A MW (3)
PHP 4410 Kant (3)
PHP 4740 The Rationalists 6A (3)
PHP 4745 The Empiricists 6A (3)
PHP 4784 Analytical Philosophy 6A (3)
PHP 4788 Philosophy of Marxism 6A MW (3)

Physics

PHY 2020 Conceptual Physics NS (3)
PHY 2038 Energy and Humanity NS (3)
PHY 2048 General Physics I NS (3)
PHY 2048L General Physics I Laboratory (1)
PHY 2049 General Physics NS (3)
PHY 2049L General Physics Laboratory (1)
PHY 2053 General Physics NS (3)
PHY 2053L General Physics Laboratory (1)
PHY 2054 General Physics NS (3)
PHY 2054L General Physics Laboratory (1)
PHY 3101 Modern Physics (3)
PHY 3221 Mechanics I (3)
PHY 3323C Electricity and Magnetism I (3)
PHY 3424 Optics (4)
PHY 3822 Intermediate Laboratory (2)
PHY 4031 Great Themes in Physics 6A MW (3)
PHY 4151 Computational Physics (3)
PHY 4151 Computer Physics (3)
PHY 4222 Mechanics II (3)
PHY 4324C Electricity and Magnetism II (4)
PHY 4523 Statistical Physics (3)
PHY 4604 Introduction to Quantum Mechanics (3)
PHY 4744C Introduction to Electronics and Test Instrumentation (4)
PHY 4823L Advanced Laboratory (2)
PHY 4905 Independent Study (1-3)
PHY 4910 Undergraduate Research (1-4)
PHY 4930 Undergraduate Seminar (1)
PHY 4936 Selected Topics in Physics (1-4)
PHY 5597 Selected Topics in Physics (1-4)
PHZ 2101 Mathematical Analysis of Problems in Mechanics and Electricity (2)
PHZ 2102 Problems in General Physics I (1)
PHZ 2103 Problems in General Physics II (1)
PHZ 5115 Methods of Theoretical Physics I (3)
PHZ 5116 Methods of Theoretical Physics II (3)
PHZ 5156C Computational Physics I (3)
PHZ 5304 Nuclear Physics (3)
PHZ 5405 Solid State Physics I (3)
PHZ 5505 Plasma Physics I (3)

Political Science

CPO 2002 Introduction to Comparative Politics SS (3)
CPO 4034 Politics of the Developing Areas SS AF (3)
CPO 4035 Comparative Government and Politics of Selected Countries or Areas (3)
CPO 5934 Selected Topics in Comparative Politics (3)
INR 2002 Introduction to International Relations (3)
INR 3164 American Foreign Policy (3)
INR 4035 International Political Economy (3)
INR 4254 Africa in World Affairs MW (3)
INR 4334 Defense Policy (3)
INR 4505 International Law SS (3)
INR 4502 International Organizations SS AF (3)
INR 5086 Issues in International Relations (3)
POS 2041 American National Government (3)
POS 2042 The American Political Tradition SS HP (3)
POS 2112 State and Local Government and Politics (3)
POS 3142 Introduction to Urban Politics and Government (3)
POS 3145 Governing Metropolitan Areas (3)
POS 5155 Symbolic Logic (3)
POS 3182 Florida Politics and Government (3)
POS 3273 Practical Politics (3)
POS 3283 Judicial Process and Politics (3)
POS 3453 Political Parties and Interest Groups (3)
POS 3691 Introduction to Law and Politics (3)
POS 3697 Environmental Law (3)
POS 3713 Empirical Political Analysis (3)
POS 3931 Selected Topics (3)
POS 4204 Political Behavior, Public Opinion, and Elections (3)
POS 4413 The American Presidency 6A (3)
POS 4424 The American Congress (3)
POS 4614 Constitutional Law (3)
POS 4624 Constitutional Law II (3)
POS 4905 Independent Study (1-3)
POS 4910 Individual Research (1-3)
POS 4936 Senior Seminar (3)
POS 4941 Field Work (3-15)
POS 4970 Honor Thesis (3)
POS 5094 Issues in American National and State Government (3)
POS 5155 Issues in Urban Government and Politics (3)
POT 3003 Introduction to Political Theory (3)
POT 3013 Classical Political Theory (3)
POT 4054 Modern Political Theory (3)
POT 4064 Contemporary Political Thought (3)
POT 4109 Politics and Literature 6A LW (3)
POT 4204 American Political Thought (3)
POT 4601 The Politics of Identity, Difference and Inequality MW (3)
POT 4936 Selected Topics in Political Theory (3)
POT 5626 Issues in Political Philosophy and Law (3)
PUP 4002 Public Policy (3)
PUP 4203 Environmental Politics and Policy (3)
PUP 5607 Public Policy and Health Care (3)
URP 4010 City Planning and Community Development (3)

Psychology

CBH 4004 Comparative Psychology (3)
CLP 3003 Psychology of Adjustment SS (3)
CLP 4151 Abnormal Psychology (3)
CLP 4414 Behavior Modification (3)
CLP 4433 Psychological Tests and Measurement (3)
DEP 3103 Child Psychology SS (3)
DEP 4005 Developmental Psychology (3)
DEP 4135 Psychology of Language Development (3)
EAB 4715 Supervised Practicum and Field Experience in Applied Behavior Analysis (1-6)
EXP 4104 Sensory Processes (3)
EXP 4204C Perception (3)
EXP 4304 Motivation (3)
EXP 4404 Psychology of Learning (3)
EXP 4533C Cognitive Psychology (3)
EXP 4640 Psychology of Language (3)
INP 2101 Applied Psychology SS (3)
INP 4004 Industrial Psychology (3)
PPE 4031 Personality (3)
PSB 4013C Psychological Psychology (3)
PSY 2012 Psychology I SS (3)
PSY 3022 Contemporary Problems in Psychology SS (3)
PSY 4022C Psychological Psychology II SS (3)
PSY 3213 Research Methods in Psychology (4)
PSY 4205 Experimental Design and Analysis (3)
PSY 4604 History and Systems of Psychology (3)
PSY 4913 Directed Study (1-3)
PSY 4931 Selected Topics: Seminar (3)
PSY 4932 Honors Seminar (3)
PSY 4933 Advanced Topics in Applied Behavior Analysis (4)
PSY 4970 Honors Thesis (1-3)
SOP 4004 Social Psychology (3)
Public Administration

PAD 3003 Introduction to Public Administration SS (3)
PAD 4144 Nonprofit Organizations and Public Policy (3)
PAD 4204 Public Financial Administration (3)
PAD 4419 Personnel and Supervision in Today's Diverse Organizations (3)
PAD 4707 Managing Information Resources in the Public Sector (3)
PAD 4930 Selected Topics in Public Administration and Public Policy (3)
PAD 5035 Issues in Public Administration and Public Policy (3)
PAD 5044 Environment of Public Administration (3)
PAD 5533 Concepts and Issues in Public Planning (3)
PAD 5605 Administrative Law (3)
PAD 5700 Research Methods in Public Administration (3)
PAD 5807 Administration of Urban Affairs (3)
PAD 5836 Comparative Public Administration (3)
POS 5159 Urban Policy Analysis (3)

Rehabilitation and Mental Health Counseling

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions (3)
RCS 5035 Rehabilitation Counseling: Concepts and Applications (3)
RCS 5080 Medical Aspects of Disability (3)
RCS 5404 Foundations of Mental Health Counseling (3)
RCS 5406 Human Growth and Development (3)
RCS 5450 Substance Abuse (3)
RCS 5700 Legal, Ethical, Professional Standards and Issues in Counseling (3)
RCS 5802 Practicum I (3)
RCS 5905 Directed Studies (1-4)

Religious Studies

GRE 2040 New Testament Greek I (4)
GRE 2041 New Testament Greek II (4)
HEB 1120 Basic Hebrew I (4)
HEB 1121 Basic Hebrew II (4)
REL 2210 Hebrew Bible/Old Testament (4)
REL 2240 Introduction to the New Testament (4)
REL 2300 Introduction to World Religions 6A (4)
REL 2306 Contemporary World Religions 6P (4)
REL 3000 Ancient Religions in Context (4)
REL 3003 Introduction to Religion (3)
REL 3111 The Religious Quest in Contemporary Films 6A SS HP (4)
REL 3114 Comedy, Tragedy, and Religion 6A MW (3)
REL 3120 Religion in America (3)
REL 3131 New Religions in America (3)
REL 3132 Witchcraft and Paganism in America (3)
REL 3140 Religion, Culture, and Society (3)
REL 3145 Women and Religion 6A (3)
REL 3146 Womanist Vision in Religion MW (3)
REL 3155 Life After Death 6A MW (3)
REL 3170 Religion, Ethics and Society Through Film 6A SS HP (3)
REL 3280 Biblical Archaeology MW (3)
REL 3303 Comparative Religion: Judaism and Islam MW (3)
REL 3310 World Religions (3)
REL 3330 The Religions of India AF (3)
REL 3362 Introduction to Islam 6A HP AF (3)
REL 3367 Islam in the Modern World 6A HP AF (3)
REL 3375 Issues in Caribbean Religions MW (3)
REL 3380 Native American Religions (3)
REL 3420 Contemporary Religious Thought (3)
REL 3465 Religion and the Meaning of Life 6A MW (3)
REL 3501 History of Christianity 6A HP (4)
REL 3561 Roman Catholicism 6A MW (3)
REL 3600 Introduction to Judaism 6A SS HP AF (3)
REL 3602 Classics of Judaism 6A MW (3)
REL 3611 History of Judaism (3)
REL 3613 Modern Judaism 6A MW LW (3)
REL 3801 History of Writing (3)
REL 3900 Directed Readings (1-4)
REL 3936 Selected Topics (1-4)
REL 4133 Mormonism in America MW (3)
REL 4161 Religion, Technology and Society (3)

Social Work

SOW 3101 Human Behavior and the Social Environment I (4)
SOW 3102 Human Behavior And The Social Environment II (4)
SOW 3203 The American Social Welfare System SS (3)
SOW 3203 Introduction to Social Work (3)
SOW 3401 Research and Statistics For Social Work (4)
SOW 4233 Social Welfare: Policy & Program (4)
SOW 4341 Multi-Methods of Social Work Practice I: Micro-System Intervention (5)
SOW 4343 Multi-Methods of Social Work Practice II: Macro-System Intervention (5)
SOW 4510 Integrative Seminar (3)
SOW 4510L Field Placement (3)
SOW 4522 Senior Seminar: Multicultural America (3)
SOW 4900 Directed Readings (1-9)
SOW 4910 Directed Research (1-6)
SOW 5830 Variable Topics in Social Work (1-3)
SOW 5930C Selected Topics in Social Work (1-4)

Sociology

SYA 3010 Classical Theory (3)
SYA 3015 Contemporary Theory (3)
SYA 3202 Constructing Social Problems (3)
SYA 3300 Research Methods (3)
SYA 3310 Qualitative Inquiry 6A LW (4)
SYA 4910 Individual Research (1-3)
SYA 4930 Topics in Sociology (3)
SYA 4955 Senior Seminar MW (3)
SYA 4949 Sociological Internship (1-6)
SYD 3441 Peasant Perspectives AF (3)
SYD 3700 Racial and Ethnic Relations SS HP (3)
SYD 4410 Urban Sociology (3)
SYD 4800 Gender and Society (3)
SYG 2000 Introduction to Sociology SS (3)
SYG 2010 Contemporary Social Problems SS (3)
SYG 2412 Marriage (3)
SYG 3235 Latina Lives (3)
SYO 3120 Sociology of Families (3)
SYO 3200 Sociology of Religion (3)
SYO 3300 Social Organization (3)
SYO 3530 Poverty, Inequality, and Stratification (3)
SYO 4300 Political Sociology (3)
SYO 4370 Occupations and Professions (3)
SYO 4400 Medical Sociology (3)
SYO 4430 Disability and Society MW (3)
SYO 5000 Social Psychology SS (3)
SYP 3060 Sociology of Sexualities (3)
SYP 3542 Family Violence (3)
SYP 4420 Consumer Culture 6A MW LW (3)
SYP 4510 Sociological Aspects of Deviance (3)
SYP 4530 Sociology of Juvenile Delinquency (3)
SYP 4540 Leisure in Society (3)
SYP 4650 Sport in Society (3)

Women's Studies

POS 4693 Women and Law I (3)
POS 4694 Women and Law II 6A MW (3)
PUP 4333 The Hero and Politics 6A MW (3)
SOP 3742 Psychology of Women SS (3)
WST 2250 Female Experience in America HP (3)
WST 2600 Human Sexual Behavior SS (3)
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<td>Women in Western Civilization I 6A HP</td>
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The College of Business Administration offers courses of study leading to both undergraduate and graduate degrees. All degree programs in the College of Business Administration are fully accredited by the International Association for Management Education (AACSB).

The undergraduate curriculum that leads to a Bachelor of Arts or Bachelor of Science degree is composed of several segments: (1) broad general education in the arts, humanities and sciences; (2) the common body of knowledge for management responsibilities; and (3) specialized areas of concentration in Accounting, Economics, Finance, Management, Marketing, General Business, and Management Information Systems. Through flexibility in its requirements, the College is able to satisfy the different interests and career objectives of students with diverse backgrounds. Graduate programs in the College are described in the USF Graduate Catalog.

The College of Business Administration (COBA) is located near the corner of Maple Street and Alumni Drive on the south-central area of the University campus. To access information about the College of Business online, use the following web address: http://www.coba.usf.edu.

Mission

The USF College of Business Administration will provide high quality programs preparing students to contribute to, and take leading positions in, business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the community.

Undergraduate Admission to the College of Business

Admission to the College of Business Administration is based upon availability of faculty and space within each discipline. The College of Business Administration is an upper level limited access college, which means that it has admission requirements in addition to those of the University in general. Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program. Students interested in pursuing a degree in the areas offered by the College of Business must complete the required prerequisites for entering the college in addition to other related criteria (listed in 1-4 below).

Requirements for Entering the College of Business

1. Before declaring a major in the College of Business, students must satisfy the following criteria:
   a. Minimum of 60 semester hours of college credit earned.
   b. Minimum of 2.5 cumulative grade point average on all college-level work and minimum 2.0 on all credit attempted at USF including any prior to renewal.
   c. Completion of the following State Mandated Common Prerequisites (or equivalents) with a grade of C or higher:
      - ACG X021 Financial Accounting
      - (or ACG X001 & ACG X011)
      - ACG X071 Managerial Accounting
      - (Accounting majors are not required to take ACG 2071 and may enroll in ACG 3103 upon completion of ACG 2021 and admission to the College of Business Administration)
      - CGS X100 Computers in Business (or acceptable substitute)
      - ECO X013 Principles of Macroeconomics
      - ECO X023 Principles of Microeconomics
      - MAC X233 Elementary Calculus or MAC 2230
      - STA X023 Introductory Statistics or QMB X100
   d. In computing entry grade point average all business and economics courses taken for S or U grades will be converted to C or F, respectively.

2. Students working toward meeting the limited access criteria will be permitted to enroll in all foundation courses in Business (listed below) except GEB 4890, provided they have completed 60 semester hours and have met course prerequisites.

3. A minimum score of 550 on paper & pencil or 213 on computerized TOEFL is required, when applicable.

4. Students must be admitted to the College of Business Administration at least one term before their anticipated graduation date.

Transfer Students

Transfer credits will be accepted from accredited institutions; however, all hours earned may not be applied toward USF business degree requirements. Individual courses will be evaluated by an academic advisor and appropriately credited toward requirements in the student's program at USF. Florida public junior/community college students enrolled in an associate of arts (AA) program should normally complete the general education requirements and the State Mandated Common Prerequisites at the junior/community college. As a rule, students should avoid taking any business courses at the junior/community college that are listed as 3000 and 4000 level courses at USF. Normally, courses in finance, marketing, management, and accounting, as well as other business administration and economics courses, taken at the lower division level that are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of CLEP or other written examinations prepared and administered by the College of Business Administration or by successfully completing specified advanced courses in the discipline.

Florida public junior/community college students pursuing an associate of science (AS) program must be aware that some courses taken at the junior/community college may not be acceptable for credit in the baccalaureate programs. Students pursuing an AS program should see an advisor to determine the transferability of course work.

BACCALAUREATE LEVEL DEGREE PROGRAMS

General Requirements for B.A./B.S. Degree in Business Administration

Students must satisfactorily complete a minimum of 120 semester hours. Of the minimum 120, at least 60 hours must be business courses, and a minimum of 54 hours must be non-business courses (i.e. all courses not normally offered in the College of Business Administration). Additional electives may be required to reach a minimum of 120 hours and may be either business or non-business.

As a part of the 120-hour requirements for the B.A. or B.S. degree, the following criteria also apply:

1. A minimum grade point average of 2.0 must be achieved in the major and/or minor field, as well as in all college work and in all USF work, for students to be certified for graduation.

   CLAST and Gordon Rule: Students must have satisfactorily completed CLAST and the writing and computation course requirements of 6A-10.30 (“Gordon Rule”)

   Foreign Language: For a Bachelor of Arts degree, students must demonstrate competency in a foreign language (refer to the Academic Policies and Procedures section of this catalog). The College of Business does not approve American Sign Language for the Foreign Language Exit Requirement.

Residency: Note that College of Business Administration residency requirements for graduation exceed the minimum requirements established for USF. Students are required to complete satisfactorily at USF a minimum of 50 percent (30-33 semester hours depending on major) of required business courses, including 12-18 semester hours in the major field.
ELECTIVES IN BUSINESS OR NON-BUSINESS
Sufficient elective courses to reach a minimum of 120 hours (ranges from 0-6 credit hours if above requirements are met)
Minimum total hours 120

USF Campuses and Teaching Sites
Due to limited enrollment and faculty, only the following majors are regularly offered at the regional campuses:
St. Petersburg: Accounting, Finance General Business Administration, Management Information Systems, Management, and Marketing
Sarasota: Accounting and General Business Administration
Lakeland: General Business Administration
North Pinellas Teaching Site (at St. Petersburg Junior College, Clearwater): offers a full General Business Administration program with evening courses.

Students may need to travel from one USF campus to another in order to finish their particular program within a shorter time period.

Student Advising and Records
The Office of Undergraduate Advising and Programs (located in Ferguson Hall) provides the following services for College of Business Administration students:
1. Processing of student admission applications for the College of Business.
2. Academic advising and program information.
3. Orientation for undergraduate pre-business students.
4. Evaluation of undergraduate transcripts of transfer students.
5. Maintenance of academic advising records for all admitted students.

Advising Offices
Tampa Campus: Students who have under 30 credit hours should contact the Center for Academic Advising, SVC 2011, (813) 974-2645. Potential majors with more than 30 credit hours should visit BSN 1406, (813) 974-4290 or schedule an advising appointment on-line: http://www.coba.usf.edu/services/ugrad/index.html.
St. Petersburg Campus: DAV 134, (727) 553-1511
Sarasota Campus: PMC 101, (941) 359-4331/4330
Lakeland Campus: LLC 2100, (863) 667-7063

Office Hours
Tampa Campus: 8am-5pm Monday-Thursday. 8am-4pm on Fridays.
St. Pete Campus: 8am-5pm Monday-Thursday. 8am-5pm on Fridays.
Sarasota Campus: 8am-6pm Monday-Thursday. 8am-5pm on Fridays.
Lakeland Campus: 9am-5pm Monday-Thursday. 8am-5pm on Fridays.

While the University provides advising services to assist students with academic planning, the responsibility for seeing that all graduation requirements are met ultimately rests solely with the student.

Academic Dismissal
Students who have been dismissed twice from the University for academic reasons will not be readmitted to the College of Business Administration.

DEPARTMENTS AND PROGRAMS
• GENERAL BUSINESS (GBA)
The General Business major is a program of study that will allow the student to take additional upper-level course work in several business disciplines.
Requirements for the B.A./B.S. Degree: Within the 120 semester hour program as listed in the General Requirement section, students must complete two minors from the following business disciplines: accounting, economics, information systems, finance, management, marketing, and international business. A minimum of 24 hours of upper level course work must be earned with a GPA of at least 2.0 in each minor. The requirements for each minor are listed with the description of the major. Minors applied to the General Business major will be referred to as concentrations. Concentrations used as part of the General Business Major will also not be subsequently listed as independent minors on the transcript.

*One exception: A minor in economics must consist of four upper level economics courses, excluding QMB 3200, ECO 3100 and ECO 3101.

The General Business major provides students with substantial preparation in two functional areas of business and prepares them for positions in a business world that is increasingly interdisciplinary and values cross-functional abilities.

Requirements for a Minor in Business Administration (Non-Business Majors Only): Students are required to process an application for the minor in the College of Business. Students must complete an introductory computer course (with a content similar to CGS 2100 Computers in Business) or obtain a waiver for this requirement from the College of Business Administration by demonstrating competence in the use of computers.

1. The course requirements are as follows:
   
   - **ACG 3074** Managerial Accounting for Non-Business Majors* 3
   - **ECO 1000** Basic Economics** 3
   - **FIN 3403** Principles of Finance 3
   - **MGT 3025** Principles of Management 3
   - **MAN 4XXX** Managerial Applications (see advisor) 3
   - **MKT 3023** Basic Marketing 3

   Total 18

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.

3. At least 12 hours of the required 18 credit hours must be taken in residence at USF.

*ACG 2021 & ACG 2071 may be substituted for ACG 3074.

**ECO 2013 & ECO 2023 may be substituted for ECO 1000.

**ACCOUNTING (ACC)**

The objectives of the baccalaureate degree program in accountancy are to provide students with accounting and business knowledge that will serve as a basis for careers in industry, government, non-profit organizations and public accountancy.

The baccalaureate program also prepares students for entry into the Master of Accountancy (M.Acc.) professional degree program.

The State of Florida, like most states, requires a fifth year of education in order to sit for the CPA examination. Any further questions concerning the CPA examination should be directed to the faculty of the School of Accountancy.

Requirements for the B.A./B.S. Degree: In addition to the non-business and business foundation courses listed in the General Requirement section, students must complete a minimum of 27 hours of upper-level accounting courses, of which 18 credit hours must be taken in residence at USF.

Required Accounting Courses:

- **ACG 3103** Intermediate Financial Accounting I 3
- **ACG 3113** Intermediate Financial Accounting II 3
- **ACG 3341** Cost Accounting and Control I 3
- **ACG 3401** Accounting Information Systems 3
- **ACG 4632** Auditing I 3
- **TAX 4001** Concepts of Federal Income Taxation 3

Electives (9 hours selected from):

- **ACG 2233** Intermediate Financial Accounting III 3
- **ACG 4351** Cost Accounting and Control II 3
- **ACG 4642** Auditing II 3
- **ACG 4931** Selected Topics 3
- **ACG 4932** Honors Accounting Seminar 3
- **ACG 5201** Advanced Financial Accounting 3
- **ACG 5501** Governmental/Not-for-Profit Accounting 3
- **ACG 5575** Internal and Operational Auditing 3
- **TAX 5015** Federal Taxation of Business Entities 3

Total 27

The student's program must also include course work taken in behavioral sciences and humanities, such as psychology, anthropology, and sociology, and the political environment of business and society, such as political science, public administration, and ethics. College of Business Administration advisors will recommend courses that will satisfy the program requirements.

Accounting majors may use the forgiveness policy only once in upper-level accounting courses. Accounting courses taken by accounting majors on an AU basis will not be counted toward the 120-hour graduation requirement. Independent Research, ACG 4911, will not be accepted as credit toward the minimum degree requirements in the accounting concentration.

Accounting majors must earn a "C" (not C-) grade in each of the sequential upper-level accounting courses before being allowed to go on to the next course: i.e., ACG 3103, ACG 3113, ACG 3341, ACG 4632, TAX 4001.

Requirements for a Minor in Accounting (For Business Majors Only): Students majoring in Business Administration may minor in Accounting. The requirements are:

1. **ACG 3103** Intermediate Financial Accounting I 3

   Three other upper level Accounting Electives with an ACG or TAX prefix 9

   Total Upper Level Accounting Hours 12

2. A grade of "C" or better must be earned in each of the four upper level accounting courses taken. In addition, a grade point average of 2.0 or higher must be achieved in all minor course work.

3. All 12 credit hours must be taken in residence at USF.

**ECONOMICS (ECN)**

Economics offers a clear and logical approach to business decision-making. The department offers broad course choices allowing students to tailor their programs to provide training for careers in business as well as teaching, government, and law. Students interested in majoring or minoring in economics should contact the Undergraduate Advisor in the Economics Department for more information.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program as listed in the General Requirement section, students must complete a minimum of 18 hours of upper-level economics beyond the foundation courses for business.

Required Economics Courses:

- **ECO 3203** Intermediate Macroeconomics 3
- At least 9 hours of upper-level economics courses 15
- At least 9 hours must be in courses for which ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.

Total 18

Students must obtain a grade of "C" or higher in ECO 3100 Managerial Economics or ECO 3101 Intermediate Price Theory to enroll in any course for which ECO 3100 or ECO 3101 is a prerequisite. Students may not take both ECO 3100 and ECO 3101 for credit. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF.
Requirements for a Minor in Economics: Students throughout the University may earn a minor in Economics by satisfactorily completing 18 hours in Economics. The requirements are:

1. ECO 2013 Economic Principles: Macroeconomics 3
2. ECO 2023 Economic Principles: Microeconomics 3
3. Upper-level economics electives (including QMB 3200) 12
4. Total Economics Hours 18

Business majors may obtain a minor with only 6 additional upper-level hours in economics beyond the foundation requirements for business.

1. Before being recognized as a minor in economics, a student must obtain program approval by the Economics Department Undergraduate Advisor.
2. A grade point average of 2.0 or higher must be achieved in minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor.
3. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum

Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.

Beyond ECO 2013 Economic Principles: Macroeconomics and ECO 2023 Economic Principles: Microeconomics, students should elect ECP 4451 Law and Economics. ECP 3413 Economics of Regulation and Antitrust and ECP 4505 Economics of Crime are strongly recommended. Additional courses of interest are ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, ECP 3201 Economics of Women and Work.

The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test or applying for admission to law schools.

Five-year Bachelor/Master Degree Program

This program allows superior students with strong analytical skills and the ability to handle a fast paced, challenging program the opportunity to complete both the Bachelor and Master degrees in economics in five years.

The program meets all the requirements for the Bachelor’s degree but requires the students to take two graduate level courses required for the MA degree during the last year in the program. These 6 hours are counted as general electives (not major electives) in the undergraduate program and are also used to satisfy the requirements for the MA in economics.

To be eligible for the program, a student must have completed at least 6 hours of 3000 level or above economics courses, have an overall grade point average of 3.0 or above, and have a minimum of 3.25 cumulative grade point average in all economics courses (including statistics).

To apply for admission, send a letter to the Graduate Program Director in the Department of Economics stating your qualifications and desire to enter the program. To plan your program, or for additional information, see the Undergraduate Advisor in Economics.

• FINANCE (FIN)

The Finance major provides a broad-based, analytical program for students anticipating a career in the management of both large and small organizations. Finance provides a good background for students seeking general careers in business. Finance majors can elect to follow tracks that prepare them for entry and advanced careers in:

- the financial management of corporations
- the management of financial institutions
- investments
- financial services, insurance, and real estate.

In addition, the program in Finance is designed to provide the skills required by students earning degrees in other business disciplines and by students who seek professional degrees in areas such as law and public administration.

The Finance program offers applied and theoretical courses to enable the graduate to identify and solve problems in the acquisition and allocation of funds by organizations in the public and private sectors in domestic and international settings. It provides the background necessary for managing wealth in a risky environment. Finance relies on an interdisciplinary approach that draws on economic theory, accounting, information systems, and the quantitative decision frameworks of statistics and mathematics.

The major is designed to insure that graduates are familiar with the tools of financial decision-making and that they possess the skills to stay abreast of the developments in the field. Finance graduates will understand the functions and operations of financial markets, will become familiar with computer applications in finance, and will know how to access and utilize financial information. Course content is designed to provide majors with an appreciation of cooperative work skills and to enhance their verbal and written communication skills.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program as listed in the General Requirements section, students must complete a minimum of 18 hours of upper-level finance courses beyond FIN 3403.

Required Finance Courses:

- FIN 4303 Financial Institutions and Markets 3
- FIN 4414 Advanced Corporation Finance 3
- FIN 4504 Principles of Investments 3
- Additional upper-level Finance electives 9-15
- Total 18-24

Finance electives can be selected from among those 3000 and 4000 level classes that have FIN, REE, and RMI prefixes. At least two electives must have an FIN prefix. Independent Study (FIN 4905) and Independent Research (FIN 4915) will not be accepted as credit toward the minimum degree requirements for a major in Finance. The following Finance tracks are recommended for students with specific interest in the following career areas:

Corporate Financial Management

- FIN 3604 International Finance
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

Management of Financial Institutions

- FIN 3233 Money and Banking
- FIN 3604 International Finance
- FIN 4324 Bank Management
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

Investments

- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 4303 Real Estate Investment Analysis

Financial Services

- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 3043 Real Estate Decision-Making
- REE 4303 Real Estate Investment Analysis
- RMI 3011 Principles of Insurance

Requirements for a Minor in Finance (for Business Majors only): Students majoring in Business Administration can minor in Finance. The requirements are:

1. FIN 4504 Principles of Investments 3
2. FIN 4303 Financial Institutions and Markets 3
3. FIN 4414 Advanced Corporation Finance 3
4. Another upper-level Finance Elective with an FIN, REE, or RMI prefix 3
5. Total Finance Hours 12
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 9 of the required 12 credit hours must be taken in residence at USF.

- INFORMATION SYSTEMS AND DECISION SCIENCES (ISM)

The Management Information Systems (MIS) major provides the skills and knowledge necessary for information systems development and support positions in both business and non-business organizations.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program listed in the General Requirements section, students must complete a set of six MIS courses and two approved MIS electives. MIS majors must earn a "C" or better in all required MIS courses; they can use grade forgiveness for only one upper-level MIS course.

Required MIS Courses:
- ISM 3232 Business Application Development* 3
- ISM 3113 Systems Analysis and Design* 3
- ISM 4212 Database Administration 3
- ISM 4220 Business Data Communications 3
- ISM 4300 Managing Information Resources 3

One of the following:
- ISM 4234 Object Oriented Design (C++) 3
- ISM 4XXX Web Application Development/Java 3
- Plus Approved MIS Electives** 6

Total 24

*ISM 3232 (Business Application Development) is to be taken before, or concurrently with, ISM 3113 (Systems Analysis and Design) which is a prerequisite for all other required MIS courses. Normally ISM 3113 should be completed by the end of the first semester of the junior year.
**No more than three hours of ISM 4950 may be counted as MIS electives. ISM 4950 will not count as an MIS elective.

Requirements for a Minor in MIS (for Business majors only): Students majoring in Business Administration may minor in MIS. The requirements are:
1. ISM 3232 Business Application Development 3
2. ISM 3113 Systems Analysis and Design (PR/CR ISM 3322) 3
3. ISM 4212 Database Administration 3
4. Approved MIS Elective 3

Total MIS hours 12
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 9 of the required 12 credit hours must be taken in residence at USF.

- MANAGEMENT (MAN)

The undergraduate degree in the Department of Management prepares students for entry level positions in human resource management, industrial relations, and small business management. It also prepares students for entry into graduate programs, such as the Master of Science in Management and the Master of Business Administration.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program as listed in the General Requirements section, students must complete 18 hours of management beyond MAN 3025.

Required Management Courses:
- MAN 3240 Organizational Behavior Analysis 3
- Additional upper-level management courses 15-21

Total 18-24

MAN 4504 and MAN 4507 do not count toward the management major.

Students are encouraged to seek additional curriculum advice from the Management Department.

Requirements for a Minor in Management (for Business Majors Only): Students majoring in Business Administration may minor in Management.

The requirements are:
1. MAN 3240 Organizational Behavior Analysis 3
2. Management electives approved by department chair 9
   Total Management hours 12
3. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
4. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

- MARKETING (MKT)

Marketing is a dynamic field with many dimensions, including product selection and planning, product distribution, pricing and promotion. Marketing poses many challenges and yields generous rewards for those meeting these challenges. Marketing operations are carried out domestically and internationally in virtually all business organizations offering a product or service. Many marketing concepts are applicable to the operations of non-profit organizations such as governmental, educational, and health care institutions as well as charitable and political campaigns.

Marketing operations provide the most visible links between the firm or institution and its many publics. Marketing in the end deals with people, who are constantly changing in their needs, wants and desires; and coupled with these changing tastes is a fiercely competitive environment sustained by all the resources of a rapidly evolving technology. These forces lead to much of the challenge and to much of the dynamic nature of marketing.

The marketing program at USF prepares students for initial entry and management positions in many areas of marketing with a curriculum that is concerned with:
1. Understanding how to attract and retain customers;
2. Having the ability to find and analyze information;
3. Being able to design, collect, and analyze marketing information to be used in managerial decision making;
4. Using electronic and traditional media to create satisfied loyal customers;
5. Having personal communication skills that businesses demand;
6. Being capable of writing a winning marketing plan;
7. Understanding and being able to apply the latest marketing concepts, including marketing automation.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program as listed in the General Requirements section, students must complete a minimum of 18 hours in marketing beyond MAR 3023.

Required Marketing Courses:
- MAR 3823 Marketing Management 3
- MAR 3613 Marketing Research 3
- MAR 3400 Professional Selling 3
- MAR 4333 Electronic/Promotion Management 3
- MAR 4824 Marketing Management Problems 3
- Additional upper-level marketing courses 3-9

Total 18-24

It is strongly recommended that marketing majors take an internship course as part of their plan of study. It is also recommended that courses in information technology, finance, management, and international business be included in business electives. In addition, it is recommended that students include courses in speech, social sciences, and communication as part of general electives.

Undergraduate students in the College of Business not majoring in Marketing can greatly enhance their attractiveness to employers by taking a minor in Marketing or taking selected courses from the Marketing curriculum to broaden their backgrounds. Marketing is particularly complimentary for College of Business students majoring in Information Technology, Finance, and Mangement. For non-business majors, Marketing
is very complimentary with degrees such as communications, liberal arts, and engineering.

Requirements for a Minor in Marketing (For Business Majors Only): The requirements are:
1. MAR 3823 Marketing Management 3
   Any 3 upper level Marketing courses with a MAR prefix (excluding MAR 4824)
   Total Marketing Hours 9
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

INTERNATIONAL PROGRAMS

Certificate in International Business
The Certificate in International Business provides students with the perspectives, knowledge, skills and experience necessary for successful careers in today’s global environment. A statement recognizing the completion of the Certificate in International Business will appear on the student’s official transcript.

To qualify for the Certificate in International Business, students must satisfy the requirements for one of the undergraduate major degree programs in Business Administration, and also complete sufficient additional course work to attain a minimum of 18 semester credit hours of upper-level international business or approved related course work. With approval, international courses taken to meet degree requirements may also be used to meet the 18 semester credit hour certificate requirement. At least 12 of the 18 semester credit hours of international courses must be selected from a set of approved international business courses (see below). Up to 6 of the 18 semester credit hours in the certificate may be selected from approved area studies courses, or other courses taken outside the College which are relevant to the student’s international area of interest. At least 12 semester credit hours of the course work in the Certificate in International Business program must be taken at USF. A grade point average of 2.0 or higher must be achieved in certificate course work taken at USF, as well as in any transfer work applicable to the certificate program. In addition to the specified course requirements, competency to effectively communicate in a foreign language must be demonstrated. The USF Division of Languages will normally evaluate language competency. Students are required to choose a specific region of the world as the focal point for the area studies and language aspects of their programs.

Minor in International Business

Students Majoring in Business Administration
To qualify for the minor in International Business, students with a major in one of the undergraduate degree programs in Business Administration must successfully complete a minimum of 12 hours of international business or related course work. At least nine semester credit hours in the minor must be selected from a set of approved upper-level international business courses (see below). One of the courses in the minor, relevant to the student’s international area of interest, may be an approved area studies course, or other course, taken outside the College. A minimum of nine semester credit hours of the minor course work must be taken at USF. A grade point average of 2.0 or higher must be achieved in minor course work taken at USF, as well as in any transfer work applicable to the minor. Competency to effectively communicate in a foreign language is strongly advised.

Non-Business Administration Majors
To qualify for the International Business minor, non-business majors must complete the requirements for the minor in Business Administration (see previous Requirements for a Minor in Business Administration) and, in addition, complete at USF a minimum of nine semester credit hours selected from a set of approved upper-level international business courses (see below). A grade point average of 2.0 or better must be achieved in the minor course work taken at USF, as well as in any transfer work applicable to the minor program. Competency to communicate in a foreign language is strongly advised.
A statement attesting to the completion of the Minor in International Business will appear on the student’s official transcript.

Courses Approved for the Certificate in International Business and the Minor in International Business
The following courses are currently approved for the International Business major and minor:
- ECO 3703 International Economics
- ECO 4713 International Macroeconomics
- ECO XXXX Economics of Latin America
- FIN 3604 International Finance
- MAN 4600 International Management
- MAR 4156 International Marketing

Other courses will be added as they are developed and approved. In addition, the College frequently offers Selected Topics courses that qualify for the International Business certificate and minors. Students should consult with an advisor for additional approved courses.

Recommendations for Students Interested in International Business
To increase the quality and number of initial job opportunities and to enhance longer-term career objectives students are strongly advised to:
- Include an international internship and/or overseas study experience in the program. With careful planning, a student can complete an area studies course, an international business course, and language training in a single term of relatively inexpensive study abroad. More information is available from the Business Undergraduate Programs Office and the Center for International Business.
- Maintain a portfolio of international academic and professional activity. Information on the content of such a portfolio is available from the International Business Programs Office.

Student Organizations within the College of Business
All students are encouraged to participate in extracurricular activities. The following organizations provide a means for students to develop both professionally and socially while attending the College of Business Administration.

Alpha Kappa Psi - Provides a forum for leadership development in preparation for careers in all areas of business. Alpha Kappa Psi is a progressive, coed, professional business fraternity.

Association of Marketing Students – As a collegiate chapter of the American Marketing Association, this organization will help to further the growth of business oriented individuals within the field of marketing.

Beta Alpha Psi - The national professional accounting fraternity devoted to the promotion of the profession, inspiring professional ideals, and recognizing academic achievement.

Beta Gamma Sigma – An honor society that encourages and rewards outstanding scholarship among business students.

Business College Council - Representatives from each of the major fields advise the dean of the College and the faculty on student attitudes and goals. Also, the Council acts as a liaison between the Student Government Association and the College of Business Administration.

Delta Sigma Pi - Fosters the study of business and a close association between students and the business world.
Economics Club - To promote and develop the applications of economic concepts within the student body and provide a social basis for interaction.

International Business Board - Promotes interest in international business, provides professional and cultural programs, and encourages dialogue regarding opportunities for study and work abroad.

Management Information Systems Society - Student chapter of the Data Processing Management Association, career oriented and interested in all areas of business data management.

Minority Business Association - Encourages and supports students in their efforts to achieve success in a demanding academic setting.

National Association of Black Accountants - Develops, encourages, and serves as a resource for greater participation by African-Americans and other minorities in the accounting and finance professions.

Omicron Delta Epsilon - The international economics society promoting outstanding achievements in economics and the establishment of closer ties between students and faculty.

Pi Sigma Epsilon - A professional society interested in marketing, sales, management, and selling.

Student Accounting and Business Organization - Promotes professionalism in accounting and other business disciplines. (St. Petersburg Campus)

Student Finance Association - An organization for finance majors and other business-oriented students that provides exposure to the many facets and opportunities in the field of finance.

BUSINESS ADMINISTRATION FACULTY

ACCOUNTING/LAW


ECONOMICS


FINANCE

Chairperson: S. Besley; Lykes Professor of Banking & Finance: J. L. Pappas; Professor Emeritus-Dean Emeritus: R. G. Cox; Professors: S. E. Bolten, S. Kaplin, R. L. Meyer, J. L. Pappas, A. Schwartz, K. F. Wieand; Associate Professors: S. Besley, S. B. Bulmash, B. Francis, D. A. Johnson, P. Kares, J. Qi, R. J. Rivard; Assistant Professors: N. Kohers, C. Pantzalis, G. Patterson; Instructor: M. Antia; Other Faculty: J. Rader.

INFORMATION SYSTEMS & DECISION SCIENCES


MANAGEMENT


MARKETING


BUSINESS ADMINISTRATION COURSES

GENERAL BUSINESS ADMINISTRATION

BUL 3320 Law and Business I (3)
BUL 3321 Law and Business II (3)
BUL 5331 Law and the Accountant (3)
GEB 2590 Doing Business Around the World SS (3)
GEB 2935 Selected Topics in Business (1-3)
GEB 4980 Strategic Management and Decision Making MW (3)
GEB 4905 Independent Study (1-3)
GEB 4915 Independent Research (1-4)
GEB 4935 Selected Topics in Business Administration (1-4)

ACCOUNTING/LAW

ACG 2021 Principles of Financial Accounting (3)
ACG 2071 Principles of Managerial Accounting (3)
ACG 3074 Managerial Accounting for Non-Business Majors (3)
ACG 4103 Intermediate Financial Accounting I (4)
ACG 3113 Intermediate Financial Accounting II (3)
ACG 3341 Cost Accounting and Control I (3)
ACG 3311 Accounting Information Systems (3)
ACG 4123 Intermediate Financial Accounting III (3)
ACG 4351 Cost Accounting and Control II (3)
ACG 4621 Computer Control and Audit (3)
ACG 4632 Auditing I (3)
ACG 4642 Auditing II (3)
ACG 4901 Independent Study (1-3)
ACG 4911 Independent Research (1-4)
AGC 4031 Selected Topics in Accounting (1-4)
AGC 5201 Advanced Financial Accounting IV (3)
AGC 5501 Governmental/Not-For-Profit Accounting (3)
AGC 5675 Internal and Operational Auditing (3)
AGC 5935 Selected Topics in Accounting (1-4)
TAX 4001 Concepts of Federal Income Taxation (3)
TAX 5015 Federal Taxation of Business Entities (3)

ECONOMICS

ECO 1000 Basic Economics SS (3)
ECO 2013 Economic Principles (Macroeconomics) SS (3)
ECO 2023 Economic Principles (Microeconomics) SS (3)
ECO 2935 Selected Topics in Economics (1-3)
ECO 3100 Managerial Economics (3)
ECO 3101 Intermediate Price Theory (3)
ECO 3203 Intermediate Macroeconomics (3)
ECO 3622 American Economic History (3)
ECO 3703 International Economics MW (3)
ECO 4105 Advanced Price Theory (3)
ECO 4201 Advanced Macroeconomic Theory (3)
ECO 4303 History of Economic Thought (3)
ECO 4305 Radical Political Economy MW (3)
ECO 4401 Introduction to Mathematical Economics (3)
ECO 4421 Introduction to Econometrics (3)
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<td>ECO 4723</td>
<td>International Trade and Policy</td>
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<td>ECO 4905</td>
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<td>ECO 4914</td>
<td>Independent Research</td>
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<tr>
<td>ECO 4935</td>
<td>Selected Topics in Economics</td>
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<td>ECP 3201</td>
<td>Economics of Women and Work MV</td>
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<td>ECP 3203</td>
<td>Labor Economics</td>
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<td>ECP 3302</td>
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<td>Economics of the Urban Environment MV</td>
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<td>Collective Bargaining and Public Policy</td>
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<td>ECP 4451</td>
<td>Law and Economics</td>
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<td>ECP 4505</td>
<td>Economics of Crime</td>
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**FINANCE**

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<td>FIN 2106</td>
<td>Introduction to Investments</td>
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<td>FIN 2935</td>
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<td>FIN 3233</td>
<td>Money and Banking</td>
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<td>FIN 3403</td>
<td>Principles of Finance</td>
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<td>FIN 3804</td>
<td>International Finance</td>
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<td>FIN 4245</td>
<td>Federal Reserve System and Monetary Policy</td>
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<td>FIN 4303</td>
<td>Financial Institutions and Markets</td>
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<td>FIN 4342</td>
<td>Bank Management</td>
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<td>Working Capital Management</td>
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<td>Advanced Corporation Finance</td>
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<td>FIN 4461</td>
<td>Financial Statement Analysis</td>
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<td>FIN 4514</td>
<td>Advanced Investment Analysis and Management</td>
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<td>FIN 4934</td>
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<td>REE 3043</td>
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<td>RMI 3011</td>
<td>Principles of Insurance</td>
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<td>RMI 4115</td>
<td>Life, Health, And Disability Insurance</td>
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<td>RMI 4210</td>
<td>Property Insurance</td>
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<td>RMI 4220</td>
<td>Casualty Insurance</td>
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**INFORMATION SYSTEMS AND DECISION SCIENCES**

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<td>ISM 3011</td>
<td>Information Systems in Organizations</td>
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<td>ISM 3113</td>
<td>Systems Analysis and Design</td>
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<td>ISM 3232</td>
<td>Business Application Development</td>
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<td>ISM 3431</td>
<td>Management Science Production/Operations Management</td>
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<td>ISM 4133</td>
<td>Advanced Systems Analysis and Design</td>
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<td>ISM 4212</td>
<td>Database Design and Administration</td>
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<td>Business Data Communications</td>
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<td>Information System Interface Design</td>
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<td>Object-Oriented Design and Development</td>
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<td>ISM 4240</td>
<td>Distributed Operating Systems</td>
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<td>ISM 4290</td>
<td>Senior Seminar in Information Systems</td>
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<td>Managing Information Resources</td>
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<td>Decision Support Systems Applications-Computer</td>
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<td>MAN 4504</td>
<td>Operations Management: A Systems Approach</td>
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<td>Operation Production Systems</td>
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**MANAGEMENT**

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<td>Principles of Management</td>
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<td>MAN 3240</td>
<td>Organizational Behavior Analysis</td>
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<td>MAN 3301</td>
<td>Human Resource Management</td>
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<td>MAN 3401</td>
<td>Industrial Relations</td>
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<td>MAN 4120</td>
<td>Managerial Behavioral Laboratory</td>
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<td>MAN 4129</td>
<td>Theory and Practice of Management Skills</td>
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<td>MAN 4620</td>
<td>Organizational Development and Change</td>
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<td>Organization Assessment</td>
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<td>MAN 4402</td>
<td>Employment Laws</td>
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<td>MAN 4430</td>
<td>Seminar in Negotiations and Administration of Labor Agreements</td>
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<td>MAN 4600</td>
<td>International Management</td>
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<td>MAN 4802</td>
<td>Entrepreneurship and Small Business Management</td>
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<td>MAN 4931</td>
<td>Independent Research</td>
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**MARKETING**

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<td>Basic Marketing</td>
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<td>MAR 3400</td>
<td>Professional Selling</td>
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<td>MAR 3613</td>
<td>Marketing Research</td>
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<td>Marketing Management</td>
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<td>MAR 4156</td>
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<td>MAR 4213</td>
<td>Logistics and Physical Distribution Management</td>
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<td>MAR 4333</td>
<td>Promotion Management</td>
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<td>MAR 4403</td>
<td>Sales Management</td>
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<td>MAR 4453</td>
<td>Business to Business Marketing</td>
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<td>MAR 4503</td>
<td>Buyer Behavior</td>
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<tr>
<td>MAR 4504</td>
<td>Marketing Management Problems</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4903</td>
<td>Independent Research</td>
<td>(1-3)</td>
</tr>
<tr>
<td>MAR 4905</td>
<td>Independent Study</td>
<td>(1-3)</td>
</tr>
<tr>
<td>MAR 4933</td>
<td>Selected Topics In Marketing</td>
<td>(1-3)</td>
</tr>
</tbody>
</table>
The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). All Teacher education programs must meet the requirements of Chapter 6A-5, Rules of the State Board of Education of Florida, and have "Approved Program" status.

The Mission of the College is to "improve the preparation of teachers, other professional educators, and professional support personnel and to discover improved teaching, learning, and leadership techniques through research and practice." The College emphasizes student learning outcomes relevant for the world of the 21st century. Program goals focus on graduating highly competent teachers who reflect on their own professional practice, who have a deep interest in intellectual inquiry and who continue their professional development.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Each subdivision of the college maintains professional standards by participating in nationally-certified program reviews and also through ongoing departmental appraisals of learning outcomes.

The University follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent cooperative effort in planning and practice by faculties in appropriate academic areas. Liberal Arts courses and courses in the content areas are offered through the College of Arts and Sciences. Courses primarily designed for teacher candidates are taught by the College of Education faculty.

For information concerning required courses in each major, students should consult the following "Departments and Programs" section or view the most recent on-line Community College Counseling Manual, accessible from the Undergraduate Studies site: http://www.ugs.usf.edu/catalogs.htm. Other important information is available from the College of Education website at http://www.coedu.usf.edu/.

Preliminary Requirements for Students Entering Teacher Education Programs

Students who wish to teach in a particular subject area or field should begin preliminary coursework during their first year in college. However, students cannot be admitted to the College of Education (and into a teacher education program) until they finish the university’s liberal arts freshman and sophomore requirements and the state-mandated common prerequisites for education.

After students finish prerequisite courses, they may apply for entrance into one of the upper-level teacher education programs offered by the College of Education. All students who plan to teach must apply for admission to a teacher education program through the Student Academic Services Office of the College of Education.

Admission to an upper-level teacher education program is contingent upon meeting the following preliminary college requirements:

1. Completion of a College of Education application form.
2. Completion of the University’s General Education requirements (36 cr. hrs.). (See "Liberal Arts Requirements" section of the catalog.) Note: Changes in Teacher Preparation Programs under consideration by the State Board of Education at the time of printing of this catalog may mandate major changes in the general education requirements, subject matter preparation and education courses for students entering as freshmen effective Fall 2001. Such changes would supersede the information provided in this section of the catalog. Students should contact an academic advisor to make certain they are enrolled in courses appropriate to their intended major.
3. Completion of all portions of the CLAST with passing scores. No exemptions or waivers accepted.
4. Although no longer required for admission to the College of Education, students are still encouraged to take the ACT or SAT. Many existing scholarships still require these scores.
5. Completion of State Mandated Common Prerequisites

Note: The following prerequisites are required for all education majors who enter as freshmen in Fall 2001, but students should consult their intended majors (listed under "Departments and Programs," below) for a list of other specific course prerequisites and requirements beyond these listed below:

- EDF 005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- Nine (9) semester hours in English to include writing, literature, and speech
- Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
- Nine (9) semester hours in mathematics to include college algebra or above and geometry
- Twelve (12) semester hours in social sciences to include American history and general psychology
- Six (6) semester hours of courses with an international and/or diversity focus (in addition to EDG 2701). If these courses are taken elsewhere, the institution transferring credit to USF must certify that the course content satisfies the international diversity focus requirement. Refer to the list below for courses which satisfy both the General Education and the international and/or diversity course requirements. (Consult an education advisor for approved, upper-level courses in Africana Studies, Geography, International Studies, Political Science, and Business Administration that meet the requirement but are not included below.)

International/Diversity Courses Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience in Africa and Its Diaspora</td>
<td>3</td>
</tr>
<tr>
<td>APS 2250</td>
<td>Culture and Society in Africa</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>3</td>
</tr>
<tr>
<td>AMS 2030</td>
<td>Introduction to American Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>History of Visual Arts I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Visual Arts II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2025</td>
<td>Food: Personal and Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>COM 2000</td>
<td>Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>EGN 2031</td>
<td>History of Technology</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2011</td>
<td>Ancient History I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2021</td>
<td>Medieval History I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2022</td>
<td>Medieval History II</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2031</td>
<td>Modern European History II</td>
<td>3</td>
</tr>
<tr>
<td>FIL 2001</td>
<td>Film: Language of Vision</td>
<td>4</td>
</tr>
<tr>
<td>GEO 1930</td>
<td>Geography of Current Events</td>
<td>4</td>
</tr>
<tr>
<td>GEO 2371</td>
<td>Introduction to Earth Systems Science</td>
<td>3</td>
</tr>
<tr>
<td>INR 1015</td>
<td>World Perspective</td>
<td>3</td>
</tr>
<tr>
<td>LAH 2734</td>
<td>Latin American History in Film</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2010</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2011</td>
<td>The Enjoyment of Music</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2051</td>
<td>Folk and Traditional Music of World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2632</td>
<td>Music in the United States</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2111</td>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>POS 2080</td>
<td>The American Political Tradition</td>
<td>3</td>
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<tr>
<td>REL 2300</td>
<td>Introduction to World Religions</td>
<td>4</td>
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<tr>
<td>REL 2306</td>
<td>Contemporary World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL 2500</td>
<td>History of Christianity</td>
<td>4</td>
</tr>
<tr>
<td>SPT 2524</td>
<td>Women Writers of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Minimum GPA: An overall minimum GPA of 2.5 on all attempted hours.
7. Additional criteria as may be established by each program. Credit requirements in each major include courses in the following categories: Professional Education Core (25-30
cr. hrs.), Teaching Specialization Preparation (27-49 cr. hrs.), and Liberal Arts Exit Requirements (9 credit hours).

For questions concerning General Education and Liberal Arts Exit Requirements, refer to the Liberal Arts Requirements section of the catalog. See specific requirements for each major listed in “Departments and Programs” below.

Additional Selection Criteria

Admission to some programs is based on additional selection criteria beyond the College requirements stated above. Some programs accept a limited number of students. Additionally, certain programs admit students only in a specified semester. Students should refer to the specific program descriptions in this catalog for additional admissions information and prerequisites. Information regarding admission requirements for programs may also be obtained from the Student Academic Services, College of Education (EDU 106).

Education Advising

Student Academic Services (SAS) is responsible for many of the processes and procedures that support the academic pursuits of students in the College. The department’s major areas of responsibility include Undergraduate Advising, Graduate Studies, Teacher Certification, and Internship. SAS is committed to serving the University community, and particularly students in the College of Education.

Students are ultimately responsible for knowing and fulfilling all university college, and degree program requirements for graduation. Students are encouraged to make an appointment with an academic advisor each semester. For additional contact information, please call our office or visit our web site at http://www.coedu.usf.edu/sas.

Advising Offices

Tampa Campus: EDU 106, (813) 974-1804
St. Petersburg Campus: DAV 134, (727) 553-1511
Sarasota Campus: PMC 101, (941) 359-4331 or 4330.
Lakeland Campus: LLC 2100, (800) USF-5636 (in state only), or (863) 667-7023

Office Hours: 9 a.m. – 5 p.m. Monday through Friday. The Tampa office is closed on Wednesdays until noon. Some offices are open before 9 a.m. or until 6 p.m. Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

Application Information:

(Only admitted USF students are eligible.) At USF-Tampa, the College of Education is located slightly east of the center of campus. For general information, call (813) 974-1804. USF-Tampa Campus students must first register and attend Orientation for the College of Education. During the College's Orientation, students will complete the C.O.E. application, receive information about their degree program, and register for courses for their first semester. Regional campus students should call their appropriate campus for orientation and advising appointments.

Time Limitations

The College of Education may accept professional education and specialization coursework completed at this University or at other accredited institutions as follows:

1. Courses completed within the last five years may be accepted.
2. Courses completed over five years but less than ten years ago must have the approval of the chairperson from the department in which the equivalent course is taught.
3. Courses completed ten years ago or longer will count as elective credit only.

Qualifications for Internship Experience

The final internship experience involves observing and teaching in an early childhood, elementary, secondary, or exceptional classroom. In most programs internship sites include the entire spectrum of sites available in the various counties served by USF. Special vocational sites are arranged through the Adult and Vocational Education Department. Other than Senior Seminar and EEX 4070, students may not enroll in additional courses during the semester in which the final internship occurs unless an exemption is granted through a petition.

Special requirements for enrollment in the final internship and seminar courses are:

1. Admission to the College of Education.
2. Completion of General Education, “Gordon Rule,” and all other program prerequisites (includes passing all sections of the CLAST).
3. Completion of an application for the final internship by the deadlines noted. Applications for internship may be obtained by attending a workshop sponsored by the Office of Student Academic Services. Applications for Fall Semester are due the preceding January 15. Applications for Spring Semester are due the preceding June 15.
4. Elementary, Early Childhood and Physical Education programs require completion of all professional education and specialization coursework except for EEX 4070. Special Education programs require completion of all professional education and specialization coursework. Secondary and Vocational Education Programs require completion of the professional course sequence except for EEX 4070/EDF 4430 and a minimum of two thirds of the specialization coursework.
5. Elementary, Early Childhood, and Physical Education programs require a combined grade point average of 2.5 in professional education and specialization coursework as well as an overall USF GPA of 2.5. Special Education programs require an overall USF GPA of 2.5. Secondary and Vocational Education programs require a minimum GPA of 2.5 in professional education and specialization coursework or an overall USF GPA of 2.5.
6. Students must earn a “C-” grade or higher in their required major courses. S/U grades will not apply toward qualifying for internship.

College Requirements for Graduation

To be certified by the College of Education for graduation, a student must have earned a minimum of 120 semester hours credit, a minimum overall USF GPA of 2.5 or a minimum GPA of 2.5 in teaching specialization courses and a minimum GPA of 2.5 in the Professional Education sequence is required. The Physical Education, Elementary and Early Childhood programs require a combined grade point average of 2.5 in professional education and specialization as well as an overall USF GPA of 2.5. Satisfactory completion of the internship is also required. In order to graduate, prior to completion of the internship, the student must pass both the Subject Area (SAE) for the appropriate area and the Professional Education (PED) sections of the Florida State Teacher Certification Examination (FTCE). A student must also have completed the major requirements in a state-approved teacher education program (which includes general preparation, teaching specialization, and professional preparation). A minimum of 8 credits in professional courses in addition to internship and 12 credits in specialization courses must have been earned at USF. The student must complete a minimum of 30 hours after admittance to an upper-level program and must meet all University requirements.

Normally, the college will recommend the granting of a Bachelor of Science (BS) degree which includes a minimum of 6 credit hours of exit courses. To obtain a Bachelor of Arts (BA) degree, the student must meet the Foreign Language Competency (see graduation requirements in front of catalog) and complete 9 hours of exit courses, 3 of which must be in Literature and Writing and 3 of which must be offered outside the College of Education.
SunCoast Area Teacher Training Program (SCATT)

SCATT is an award-winning teacher training program designed to enhance the already outstanding teacher preparation programs currently offered within the College of Education. The Suncoast Area Teacher Training Program celebrates excellence in teaching while emphasizing professionalism in a diverse society. SCATT offers students a variety of activities, workshops, seminars and field trips to enrich their knowledge base as educators. The SCATT program offerings are based on the research on effective teaching strategies, and encourage reflective practice.

The entrance requirements for the program help identify those students who have demonstrated high levels of academic achievement, leadership potential and those who have a commitment to aspire to the highest standards of the teaching profession. To graduate as a SCATT student, individuals participate in activities each semester prior to final internship which extend “above and beyond” the requirements of their academic curricula. In addition, they are offered the opportunity to network with majors from programs other than their own. During final internship, SCATT students participate in management and professionalism. SCATT also helps prospective employers within the University’s service area fill teaching positions with highly qualified graduates.

To apply to the SCATT program, students must be admitted to the College of Education in a program that requires a full-time internship experience, complete an application available from the SCATT office (located on the second floor of the David T. Anchin Center, just off the rotunda), and attend a scheduled Interview Orientation to become familiar with the expectations of SCATT graduates. For further information come to the SCATT office, call (813) 974-2061, or visit our website at www.coedu.usf.edu/SCATT

BACCALAUREATE-LEVEL DEGREE PROGRAMS

The College of Education has programs leading to the Bachelor of Science degree in the following fields:

<table>
<thead>
<tr>
<th>Program</th>
<th>Department</th>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business and Office Education</td>
<td>Leadership Development</td>
<td>(BCE)</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Childhood/Language Arts/Reading Education</td>
<td>(BEC)</td>
<td></td>
</tr>
<tr>
<td>Elementary Education</td>
<td>Childhood/Language Arts/Reading Education</td>
<td>(BEE)</td>
<td></td>
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<tr>
<td>English Education</td>
<td>Secondary Education</td>
<td>(BEN)</td>
<td></td>
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<tr>
<td>Foreign Language Education</td>
<td>Secondary Education</td>
<td>(BFL)</td>
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<tr>
<td>French</td>
<td>Leadership Development</td>
<td>(BFF)</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>Secondary Education</td>
<td>(BFG)</td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td>Leadership Development</td>
<td>(BFL)</td>
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<td>Latin</td>
<td>Leadership Development</td>
<td>(BFL)</td>
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<tr>
<td>Russian</td>
<td>Leadership Development</td>
<td>(BFR)</td>
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<td>Spanish</td>
<td>Leadership Development</td>
<td>(BFS)</td>
<td></td>
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<tr>
<td>Industrial-Technical Education</td>
<td>Leadership Development</td>
<td>(BIT)</td>
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<td>Mathematics</td>
<td>Secondary Education</td>
<td>(BMA)</td>
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<tr>
<td>Education</td>
<td>Physical Education</td>
<td>(BPE)</td>
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<td>Physical Education</td>
<td>Physical Education</td>
<td>(BPS)</td>
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<tr>
<td>K-8 Athletic Training</td>
<td>Wellness Leadership</td>
<td>(BPA)</td>
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<tr>
<td>6-12 Athletic Training</td>
<td>Wellness Leadership</td>
<td>(BPS)</td>
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<td>Science Education</td>
<td>Secondary Education</td>
<td>(BSB)</td>
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<td>Biology</td>
<td>Chemistry</td>
<td>(BSB)</td>
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<td>Chemistry</td>
<td>Physics</td>
<td>(BSB)</td>
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<td>Physics</td>
<td>Social Science</td>
<td>(BSS)</td>
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<td>Social Science</td>
<td>Education</td>
<td>(BSS)</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>Varying Exceptionalities</td>
<td>(BEX)</td>
<td></td>
</tr>
</tbody>
</table>

Art, Dance, Drama, and Music Education are offered in the College of Fine Arts. See Departmental Section for specific program requirements.

*A Bachelor of Arts degree may be awarded when competency in a foreign language is demonstrated and a student has met the nine hour Liberal Arts Exit requirements.

DEPARTMENTS AND PROGRAMS

The College of Education is organized into 7 departments. Each department has one or more programs listed alphabetically in the following section.

Department of Leadership Development


• BUSINESS AND OFFICE EDUCATION

The Business and Office Education curriculum is designed to serve students who wish to focus on the needs of today’s workplace and combine teaching with business experience while achieving initial teaching certification for grades 6-12.

Requirements for the B.S. Degree (BBE): In addition to the courses listed below, students must complete ’Preliminary Requirements for Students entering Teacher Education Programs.’

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF 3005 Introduction to Education 3
- EDF 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology (equivalent course or demonstrated competency may be substituted) 3
- ACG 2021 Financial Accounting 3
- or
- ACG X001 Financial and Managerial Acctg. I* 3
- ACG X011 Financial and Managerial Acctg. II* 3
- ECO X013 Economic Principles (Macroecon.) 3
- ECO X023 Economic Principles (Microecon.) 3
- XXXXXX Electives in Business Administration 3

*Course not available at USF

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

Common prerequisites and total program length for state-approved teacher preparation programs are subject to revision based on changes in State Board of Education Rule 6A-5.066 Approval of Preservice Teacher preparation Programs, as amended August 7, 2000.

In addition to EDF 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Preliminary Requirements for Students Entering Teacher Education Programs” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core (29 hours)

- EDF 3214 Human Development and Learning (3)
- EDF 3604 Social Foundations (Exit) (3)
**INDUSTRIAL-TECHNICAL EDUCATION**

Requirements for the B.S. Degree (BIT): In addition to the courses listed below, students must complete "Preliminary Requirements for Students Entering Teacher Education Programs."

**Prerequisites (State Mandated Common Prerequisites) for both Tracks:** These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

- EDF 4400 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology 3

**X** **XX** Courses in an area of technological specialization

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international and/or diversity focus (See list of approved courses under “Preliminary Requirements for Students Entering Teacher Education Programs” on the first page of the College of Education section.) Professional education courses taken at the community college will transfer as general electives.

**Areas of Specialization**

(Divided into 2 Tracks Below)

**Industrial-Technical Education**

Enrollment in the Industrial-Technical Education program is restricted to persons with employment experiences qualifying them to teach in Industrial-Technical, Health Occupations, or Public Service areas.

Special provision is made for students to satisfy four (4) of the required six (6) years of work experience in a specific occupation by completing an Associate of Science degree program in a technological specialty or successfully completing an appropriate occupational competency exam.

Acceptability of work experience will be determined by the program advisor.

Students must successfully pass all sections of the CLAST within 1st semester after admission to the program.

**Specialization and Professional Education Core (36-48 cr. hrs.):**

- ADE 4384 Working With Adult Learners 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EV 4360 Special Teaching Methods: Industrial-Technical Education 4
- EVT 4065 History & Principles of Vocational Education 4
- EVT 4084 Professional Development in Industrial Technical Education 3
- EVT 4165 Curriculum Construction: Industrial-Technical Education 4
- EVT 4365 Basic Teaching Methods in Vocational Education 4
- EVT 4367 Assessing Student Skill in Industrial-Technical Education 4
- EVT 4562 Vocational Education for Special Needs Students 4
- EVT 4651 Equity in Schools & Workplace (Exit) 3
- EVT 4936* Senior Seminar in Education 2
- EVT 4940* Internship 10

*EVT 4940 and 4936 waved for those with certification and teaching experience

**Technology Education**

Within the EVT program, students can pursue state certification in Technology Education. In general, students enrolling in the Technology Education program are expected to have successfully completed, at a community college, most of the technical laboratory courses required for Florida Teacher Certification. Teacher certification requires students to have 30 semester hours, with three (3) semester hours in each of the following areas: (a) materials and processes, (b) drafting and design, (c) energy, (d) graphics, (e) electronics, (f) construction, and (g) industrial systems.

Students entering this program will have their transcripts evaluated to determine if all technical course requirements have been met. If the student has not completed the technical course requirements, the deficiencies may be corrected by enrolling in the required course(s) at a community college. Since this evaluation procedure is unique to the Technology Education Program, the application for admission should clearly indicate the desired major field as Technology Education.

The program of studies includes both course work and extensive field experience in school settings. This is to enable students to integrate theory with teaching practice.

Technology Education students must complete the General Education Requirements of 36 semester hours, Prerequisites of 24 semester hours, the Professional Education Core Requirements of 25-30 semester hours, the Technical Course Requirements of 30 semester hours, and 19 semester hours in Adult and Vocational Education.

**Specialization and Professional Education Core (19 cr. hrs.):**

- EIA 3192 Technology Education and Society 4
- EIA 4360 Special Teaching Methods: Technology Education 3
- EV 4210 Program Management: Industrial-Technical Education 4
- EVT 4165 Curriculum Construction: Industrial-Technical Education 4
- EVT 4365 Basic Teaching Methods in Vocational Education 4

Plus electives selected with advisor approval.
Department of Childhood/Language Arts/Reading Education

The Childhood Education/Language Arts/Reading Education Department has the responsibility for the development and supervision of programs leading to the Bachelor of Science Degree in Early Childhood Education and Elementary Education.

Admission is limited to fall and spring semesters.

EARLY CHILDHOOD PROGRAM

Students may complete a state-approved program to be eligible for licensure in Early Childhood Education Pre-Kindergarten/Primary (age 3 - Grade 3). The current program of studies includes both coursework and extensive field experiences in early childhood settings to enable students to integrate theory with teaching practice. Upon successful completion of the required courses and the associated internships, Early Childhood majors will be eligible for certification in Pre-Kindergarten/Primary (age 3 - Grade 3).

ELEMENTARY EDUCATION PROGRAM

Students may complete a state-approved program to be eligible for certification in Elementary Education (Grades 1-6). Degree and certification requirements are subject to change. The current program of studies includes both coursework and extensive field experience in elementary school settings to enable students to integrate theory with teaching practice.

EARLY CHILDHOOD AND ELEMENTARY EDUCATION PROGRAMS

Early Childhood and Elementary majors will be assigned to a specified sequence of courses to be followed throughout the program enrollment. All internships and field experiences must be successfully completed as a member of an internship team under the supervision of a faculty team leader. Students who withdraw from or who have unsatisfactory grades in the field experiences or internships must petition the department Professional Standards Committee before they will be allowed to repeat the internships.

Students must have an overall USF GPA of 2.5 and a GPA of 2.5 in the combined Professional Core and Teaching Specialization prior to final internship and graduation.

Part-time students in Elementary Education (those planning to take 9 hours or less per semester) must meet program and internship requirements associated with the programs. These requirements include being available to participate in the internships during regular school hours.

Part-time students in Early Childhood Education are not accepted on the Tampa campus and should seek admission to the programs on the Sarasota and St. Petersburg campuses. These students also must meet program and internship requirements associated with the programs. The requirements include being available to participate in internships during regular school hours.

- EARLY CHILDHOOD EDUCATION: PRE-KINDERGARTEN/PRIMARY

Requirements for the B.S. Degree (BEC): In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3

*Equivalent course or demonstrated competency may be substituted

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Preliminary Requirements for Students Entering Teacher Education Programs” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Students entering as freshman in Fall 2001 must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

- Nine (9) semester hours in English to include writing, literature, and speech
- Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
- Nine (9) semester hours in mathematics to include college algebra or above and geometry
- Twelve (12) semester hours in social sciences to include American history and general psychology
- Six (6) semester hours in the humanities, including philosophy and fine arts

Professional Education Core (33 cr. hrs.):

EDF 4111 Child Growth and Learning 3
EED 4940 Senior Internship and Seminar 10-12
EED 4936 Senior Seminar 2
EED 4941 Field Experience I 3
EED 4942 Field Experience II 3
EED 4943 Field Experience III 3
EEX 4200 Young Children With Special Needs 3
EEX 4230 Assess., Eval., Reporting Progress 3
FLE 4315 Teaching LEP Students K-12 3
FLE 4316 Language Principles and Acquisition 2

Specialization (30 cr. hrs.):

EED 4008 Literature in Early Childhood Education (Exit) 3
EED 4203 Programs for Young Children 3
EED 4211 Integrated Curriculum: Science and Mathematics 3
EED 4212 Integrated Curriculum: Social Sciences/Humanities & Art 3
EED 4300 Cognitive Experiences for Young Children 3
EED 4303 Creative and Affective Experiences for Young Children 3
EED 4408 Child, Family & Teacher Relations 3
EED 4706 Language and Emerging Literacy 3
HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child 3
RED 4310 Early Literacy Learning 3

The order in which these courses are to be taken is spelled out in the program of study.

- ELEMENTARY EDUCATION

Requirements for the B.S. Degree (BEE): In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3

*Equivalent course or demonstrated competency may be substituted

- Nine (9) semester hours in English to include writing, literature, and speech
- Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
- Nine (9) semester hours in mathematics to include college algebra or above and geometry
- Twelve (12) semester hours in social sciences to include American history and general psychology
- Six (6) semester hours in the humanities, including philosophy and fine arts

Professional Education Core (29 cr. hours):
The required courses in the professional education core are as follows:
- EDF 3122 Learning and the Developing Child 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 2
- EDE 4940 Internship 10

Specialization (44 cr. hrs.):
- ARE 4313 Art For The Child and You 3
- EDE 4301 Teaching Methods in the Elementary School 3
- EDE 4942 Childhood Education Internship Level II 6
- HLP 4722 Health and Physical Education for the Child 2
- LAE 4416 Teaching Literature and Writing in the Elementary Grades (Exit) 3
- MAE 4310 Teaching Elementary School Mathematics I 3
- MAE 4326 Teaching Elementary School Mathematics II 2
- MUE 4210 Music For The Child 3
- RED 4310 Early Literacy Learning 3
- RED 4511 Literacy in the Intermediate and Middle Grades 3
- SCE 4310 Teaching Elementary School Science 3
- SSE 4313 Teaching Elementary School Social Studies 3

Students are advised that the Elementary Education specialization will require an enrollment of more than the traditional four semesters of the junior and senior years in order to complete the program specialization courses and the required sequence of internship.

The order in which these courses are to be taken is spelled out in the program of study.

Department of Secondary Education

The following programs are housed in the Department of Secondary Education:
- English Education
- Foreign Language Education
- Mathematics Education
- Science Education
- Social Science Education

The undergraduate programs offered by the department are designed to prepare students to meet Florida teacher certification requirements and to become highly competent secondary teachers. Specialized courses in the teaching of mathematics, science, and social science are also offered for students majoring in elementary, early childhood, and special education.

- ENGLISH EDUCATION

Requirements for the B.S. Degree (BEN): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3
  *equivalent course or demonstrated competency may be substituted

SPC X600 Public Speaking 3
- Literature Course 3
- Electives in English 9

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.
In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under 'Undergraduate Admission to the College' on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core (31 cr. hrs.):
The required courses in the professional education core are as follows:
- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 2
- LAE 4936 Senior Seminar in English Education 2
- LAE 4940 Internship: English Education 10

USF degree requirements for English Education are under revision. Please see your academic advisor for updated requirements.

Program Requirements (33 cr. hrs.):
1. English Specialization (21 cr. hrs.):
   - ENC 3310 Expository Writing 3
   One of the following:
   - LIT 3103 Great Literature of the World (Exit) 3
   - WST 4263 Third World Women Writers (Exit) 3

Two of the following:
   - AML 3031 American Literature to 1860 3
   - AML 3032 American Literature 1860-1912 3
   - AML 3051 American Literature 1912-1946 3
   - AML 3054 African-American Literature (Exit) 3
   - AML 4111 Nineteenth-Century American Novel 3
   - AML 4121 Twentieth-Century American Novel 3
   - LIT 4386 British and American Literature by Women (Exit) 3

One of the following:
   - ENL 3315 British Literature to 1616 3
   - ENL 3230 British Literature 1616-1780 3
   - ENL 3251 British Literature 1780-1900 3
   - ENL 3273 British Literature 1900-1945 3

One of the following:
   - ENL 3331 Early Shakespeare 3
   - ENL 3332 Late Shakespeare 3

One of the following:
   - ENG 4060 History of the English Language 3
   - LIN 3010 Introduction to Linguistics 3
   - LIN 3670 English Grammar and Usage 3
### FOREIGN LANGUAGE EDUCATION

**Requirements for the B.S. Degree (BFS/BFF/BFI/BFG/BFR):** In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

A minimum of 27 credit hours beyond intermediate course requirements must be earned in the foreign language. Programs are available for Spanish (BFS), French (BFF), Italian (BFI), German (BFG) and Russian (BFR).

**Prerequisites (State Mandated Common Prerequisites):** These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3
  *Equivalent course or demonstrated competency may be substituted

In addition, fifteen semester hours must come from the following areas: courses in elementary and intermediate grammar, composition and advanced conversation: culture and civilization in the target language (3 hours which can come from the ALAMEA area).

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Preliminary Requirements for Students Entering Teacher Education Programs” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

### Professional Education Core (29 cr. hrs.):

The required courses in the professional education core are as follows:

- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDG 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4316 Language Principles and Acquisition 2
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4936 Senior Seminar in Foreign Language Education 2
- FLE 4940 Internship: Foreign Language Education 10

### Specialization (39 cr. hrs.):

1. **Foreign Language (27 cr. hrs.):**
   - Grammar, conversation, composition 9
   - Culture and civilization 6
   - Linguistics 3
   - Exit requirement language course 3

2. **Foreign Language Education**
   - 12 credit hours in methods of teaching a language at the elementary and secondary levels, including a practicum.
   - **Fall Term:** FLE 4314 (elementary)
   - **Spring Term:** FLE 4333 (secondary) and FLE 4370 (practicum)
   - **Summer Term:** EDG 4909 Technology in the Foreign Language Classroom

### MATHEMATICS EDUCATION

**Requirements for the B.S. Degree (BMA):** In addition to the courses below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs (see statement under main college heading).”

**Prerequisites (State Mandated Common Prerequisites):** These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3
  *Equivalent course or demonstrated competency may be substituted
- Calculus and Analytic Geometry I*
- Calculus and Analytic Geometry II*
- Elective in Mathematics 4

(Both MAC 2313 Calculus III and STA 2023 Elementary Statistics are required at USF for native students and are strongly recommended for transfer students.)

**Computer Programming Language 3**

*May be part of General Education Requirements

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Preliminary Requirements for Students Entering Teacher Education Programs” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

### Professional Education Core (29 cr. hrs.):

The required courses in the professional education core are as follows:

- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDG 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4365 ESOL Competencies and Strategies 3
- MAE 4940 Internship: Mathematics Education 10
- MAE 4936 Senior Seminar in Mathematics Education 2

### Specialization (29 cr. hrs.):

- MAC 2313 Calculus III 4
- MAD 3100 Discrete Mathematics 3
- MAS 3105 Linear Algebra 3
- MAS 4214 Elementary Number Theory 3
- MAS 4301 Elementary Abstract Algebra 3
- MGF 3301 Bridge to Abstract Mathematics 3
- MTH 4403 Early History of Math (Exit) 3
- MTG 4212 Geometry 4
- STA 2023 Elementary Statistics 4

### Mathematics Education (14 cr. hrs.):

- MAE 4320 Middle School Methods 3
- MAE 4330 Senior High School Methods 3
- MAE 4551 Reading the Language of Mathematics 2
- MAE 4652 Technology for Teaching 3
- Secondary School Mathematics I 3
- MAE 4653 Technology for Teaching 3
- Secondary School Mathematics II 3
• SCIENCE EDUCATION

Requirements for the B.S. Degree (BSS, BSC, BSY): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites) for all Tracks: These prerequisites must be met by transfer students as well as USF students. A grade of "C-" is the minimum acceptable grade.

- EDF 2005 Introduction to Education 3
- EDF 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3

*equivalent course or demonstrated competency may be substituted

For Biology Teacher Education -
- Biology with Lab 8
- Chemistry with Lab or Physics with Lab 8
- Electives in Science 6

For Chemistry/Teacher Education -
- Chemistry with Lab 8
- Biology with Lab or Physics with Lab 8
- Electives in Science 6

For Physics Teacher Education -
- Physics with Lab 8
- Biology with Lab or Chemistry with Lab 8
- Electives in Science 6

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core for all Tracks (29 cr. hrs.):
The required courses in the professional education core are as follows:

- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4365 ESOL Competencies and Strategies 3
- SSE 4940 Internship: Science Education 10
- SSE 4936 Senior Seminar in Science Education 1-2

Required Courses for All Science Education Majors (15 cr. hrs.):
As a minimum, satisfactory completion of the following courses:

- SCE 4237 Science, Technology, Society (Exit) 4
- SCE 4305 Communication Skills in Science 3
- SCE 4320 Teaching Middle Grade Science 3
- SCE 4330 Teaching Methods in Secondary School Science 3

Areas of Specialization
(Divided into 3 Tracks Below)

Biology Education
Prerequisites (19 cr. hrs.):
- BSC 2010* Biology I with lab 4
- BSC 2011* Biology II with lab 4
- CHM 2045 General Chemistry I with lab 4
- PHY 2053 General Physics I with lab 4

One of the following:
- BSC 2095 Human Anatomy Physiology 3
- CHM 2046 General Chemistry II w/Lab or 4
- PHY 2054 General Physics II w/Lab

Specialization (29 cr. hrs.):
- PCB 3063 General Genetics 3
- PCB 3023C Cell Biology 4
- PCB 3043C Principles of Ecology 3
- PCB 3043L Principles of Ecology Lab 1
- PCB 4674 Organic Evolution 3
- MCB 3030C Introduction to Microbiology 4
- RES 4057 Environmental Issues (Exit) 3
- MAC 2281 Engineering Calculus I 3

Chemistry Education
Prerequisites (20 cr. hrs.):
- BSC 2010* Biology I with lab 4
- CHM 2045 General Chemistry I with lab 4
- CHM 2046 General Chemistry II with lab 4
- PHY 2053 General Physics I with lab 4
- PHY 2054 General Physics II with lab or 4
- BSC 2011*. Biology II with lab 4

Specialization (28 cr. hrs.):
- CHM 2046 General Chemistry I w/Lab 4
- CHM 2210 Organic Chemistry I 4
- CHM 2210L Organic Chemistry I Lab 1
- CHM 3120C Elementary Analytical Chemistry 4
- CHM 3400 Elementary Physical Chemistry I 3
- CHM 3610C Intermediate Inorganic Chemistry 4
- CHM 4070 Historical Perspectives in Chemistry (Exit) 3
- BCH 3023 Biochemistry 3
- MAC 2281 Engineering Calculus I 3

Physics Education
Prerequisites (20 cr. hrs.):
- BSC 2010* Biology I with lab 4
- CHM 2045 General Chemistry I with lab 4
- CHM 2046 General Chemistry II with lab or 4
- BSC 2011* Biology II with lab 4
- PHY 2048 General Physics with lab and 4
- PHY 2049 General Physics with lab 4
- PHY 2053 General Physics with lab and 4
- PHY 2054 General Physics with lab 4

Specialization (31 cr. hrs.):
- MAC 2281 Engineering Calculus I 3
- MAC 2282 Engineering Calculus II 3
- MAC 2283 Engineering Calculus III 3
- PHY 2020 Conceptual Physics 3
- PHY 3101 Modern Physics 3
- PHY 3221 Mechanics I 3
- PHY 3323C Electricity & Magnetism I 4
- PHY 4031 Great Themes in Physics (Exit) 3
- Elective in Physics 6

A Physics Education major will need a three credit hour course in computer applications in physics.

*May be part of General Education Requirements

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

• SOCIAL SCIENCE EDUCATION

Requirements for the B.S. Degree (BSS): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs." It is recommended that students pursue a double major in Social Science Education with History or one of the Social Sciences.
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF X005 Introduction to Education: 3
- EDF 2701 Teaching Diverse Populations: 3
- EME 2040 Introduction to Educational Technology*: 3

*Equivalent course or demonstrated competency may be substituted

Additional prerequisites needed are:
- American Government: 3
- Anthropology: 3
- Cultural Geography: 3
- Economics: 3
- History: 3
- Psychology: 3
- Sociology: 3

One Natural Science course which includes a laboratory.

In addition to EDF 2701, lower division courses must include 6 credits with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core (29 cr. hrs.):
The required courses in the professional education core are as follows:
- EDF 3214 Human Development and Learning: 3
- EDF 3604 Social Foundations of Education (Exit): 3
- EDF 4620 Curriculum and Instruction: 3
- EDF 4430 Measurement for Teachers: 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom: 2
- FLE 4365 ESOL Competencies and Strategies: 3
- SSE 4936 Senior Seminar in Social Science Education: 2
- SSE 4940* Internship: Social Science Education: 10

*Only SSE 4936 can be taken at the same time as SSE 4940

Social Sciences Specialization (48 cr. hrs.):
- AMH 2010 American History I*: 3
- AMH 2020 American History II*: 3
- GEA 2000 Global Geography: 3
- HUM 2211 Studies in Culture: World History I*: 3
- HUM 2243 Studies in Culture: World History II*: 3
- POS 2112 State and Local Government: 3
- POS 2080 American Political Thought: 3
- HIS 4104 Theory of History: 4
- Any course from African History, American History or Latin American History**: 3
- AMH 3421 Early Florida History: 4
- AMH 3423 Modern Florida History I: 4

One of the following:
- ANT 2000 Introduction to Anthropology: 3
- ANT 2410 Cultural Anthropology: 3

One of the following:
- ECO 1000 Basic Economics or ECO 2013 Microeconomics: 3

One of the following:
- SYG 2000 Introduction to Sociology or SYG 2010 Contemporary Problems: 3

One of the following:
- POT 4054 Modern Political Thought or INR 3018 World Ideologies: 3
- POT 4054 Contemporary Political Thought or INR 3018 World Ideologies: 3

*May meet General Education Requirements
**Also meets General Education A/L/A requirement

Social Science Education (11 cr. hrs.):
- SSE 4333* Teaching Middle Grades Social Science: 3
- SSE 4334 Teaching Secondary Grades Social Science: 3

SSE 4335** Teaching Social Science Themes: 3
SSE 4640 Communications Skills in the Social Sciences: 2

*Must be completed prior to SSE 4334 and SSE 4640.
**Can only be taken after SSE 4640.

Department of Educational Measurement and Research
The Department of Educational Measurement and Research offers EDF 4430, Measurement for Teachers, which is required of all students enrolled in teacher education programs. The objectives of this course include designing and applying classroom tests and other assessment devices, including alternative assessments, monitoring student progress and communicating student achievement. Emphasis is placed on assessment and instruction as integrated activities. The course is offered through a web-based or a classroom-based format.

School of Physical Education, Wellness and Sports Studies
The School of Physical Education, Wellness, and Sports Studies teaches a variety of Elective Physical Education courses and conducts Professional Physical Education Teacher Preparation K-8 and 6-12 Programs, Wellness Leadership Program, and an Athletic Training Program.

• ELECTIVE PHYSICAL EDUCATION PROGRAM

Elective Physical Education offerings in the School of Physical Education, Wellness and Sports Studies are designed to provide opportunities for all students in the University to acquire knowledge and movement skills related to an active healthy lifestyle. Laboratory experiences in over twenty-five different exercise and sports activities allow students to select and develop proficiency appropriate for leisure pursuit and personal development. Special competency courses provide for in-depth study in such areas as personal wellness, current issues in sports, and first aid.

• PHYSICAL EDUCATION, WELLNESS LEADERSHIP AND ATHLETIC TRAINING

Students must choose one of the following programs: a) Physical Education Grades K-8 (Florida Teacher Certification); b) Physical Education Grades 6-12 (Florida Teacher Certification); c) Wellness Leadership (Non-certification); or d) Athletic Training.

Requirements for the B.S. Degree (BPE/BPS/BPW): The two-year programs are offered beginning in the junior year and includes mandatory attendance during the summer session between the junior and senior years. Students can only enter during Fall Semester of each year.
In addition to applying to the University, all students must apply directly to the School. Requests for admission to the Program should be directed to:

Director
School of Physical Education, Wellness, & Sport Studies
College of Education
University of South Florida
4202 E. Fowler, PED 214
Tampa, Florida 33620-8600

For K-8 Physical Education Track (BPE):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
EDF  X005  Introduction to Education  3
EDG 2701  Teaching Diverse Populations  3
EME 2040  Introduction to Educational Technology*  3

*equivalent course or demonstrated competency may be substituted

In addition to EDG 2701, the student must take 6 additional hours with an international or diversity focus. The eligible course will be determined by the institution where the student is currently earning his/her AA or Baccalaureate degree.

Human Anatomy and Physiology I with lab  3-4
Care & Prevention of Athletic Injuries  3-4
or
Anatomy and Physiology II with lab  3-4
Skill Development Courses in Physical Activities  4-5
Conditioning, Fitness & Wellness Courses in Physical Activities  3

At least one course taken to meet the natural science requirements in General Education and/or General Program Prerequisites must include a laboratory component

Professional Education Core:
PET 2010  Personal/Professional Development Seminar  3
PET 3310  Kinesiology  3
PET 3351  Exercise Physiology I  3

Additional Required Courses for K-8 Track:
EDF 3122  Learning & The Developing Child  3
EDF 4430  Measurement for Teachers  3
EDF 3604  Social Foundations of Education (Exit)  3
FLE 4365  ESOL Competencies and Strategies  3
PET 3031  Motor Development & Assessment  3
PET 3252  Issues in Sports (Exit)  3
PET 3421  Curriculum and Instruction in Physical Education  3
PET 3422  Instructional Design & Content: Movement Experiences  3
PET 3441  Instructional Design & Content: Middle School Physical Education  3
PET 3640  Adapted Physical Education  3
PET 3943  Physical Education Internship: Middle School  4
PET 4401  Organization and Administration of Physical Education Programs  3
PET 4432  Instructional Design & Content: Physical Education Elementary  3
PET 4433  Instructional Design & Content: Physical Education Elementary II  3
PET 4942  Physical Education Pre-Internship: Elementary  4
PET 4946  Internship in Teaching Physical Education: Elementary  12

6-12 Physical Education Track (BPS):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
EDF X005  Introduction to Education  3
EDG 2701  Teaching Diverse Populations  3
EME 2040  Introduction to Educational Technology*  3

**equivalent course or demonstrated competency may be substituted

In addition to EDG 2701, the student must take 6 additional hours with an international or diversity focus. The eligible course will be determined by the institution where the student is currently earning his/her AA or Baccalaureate degree.

Anatomy and Physiology I with lab  3-4
Care & Prevention of Athletic Injuries  3-4
or
Anatomy and Physiology II with lab  3-4
Skill Development Courses in Physical Activities  4-5
Conditioning, Fitness & Wellness Courses in Physical Activities  3

At least one course taken to meet the natural science requirements in General Education and/or General Program Prerequisites must include a laboratory component

Professional Education Core (for All Tracks):
PET 2010  Personal/Professional Development Seminar  3
PET 3310  Kinesiology  3
PET 3351  Exercise Physiology I  3

Additional Required Courses For 6-12 Track:
EDF 3604  Social Foundations of Education (Exit)  3
EDF 4430  Measurement for Teachers  3
EDF 4131  Learning and the Developing Adolescent  3
EDG 4365  ESOL Competencies and Strategies  3
PET 3031  Motor Development & Assessment  3
PET 3252  Issues in Sports (Exit)  3
PET 3421  Curriculum and Instruction in Physical Education  3
PET 3422  Instructional Design & Content: Movement Experiences  3
PET 3441  Instructional Design & Content: Middle School Physical Education  3
PET 3640  Adapted Physical Education  3
PET 3943  Physical Education Internship: Middle School  4
PET 4304  Principles & Issues in Coaching  3
PET 4401  Organization & Administration of Physical Education Programs  3
PET 4442  Instructional Design & Content: Physical Education Secondary  3
PET 4443  Instructional Design & Content: Physical Education Secondary II  3
PET 4944  Physical Education Pre-Internship: Secondary  4
PET 4947  Internship in Teaching Physical Education: Secondary  12

For Wellness Leadership Track (BPW):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

Human Anatomy and Physiology I and lab  4
or
Human Anatomy and lab  4
Human Anatomy II and Physio II and lab  4
or
Human Physiology and lab  4
College Algebra or higher  3
Statistics or Pre-Calculus  3
General Psychology  3
General Nutrition  3
Survey of Chemistry or higher  3
Survey of Chemistry or higher lab  1

Students must pass all sections of the CLAST within 1st semester after admission to the program.

Professional Education Core (for Wellness Tracks):
PET 2010  Personal/Professional Development Seminar  3
PET 3310  Kinesiology  3
PET 3351  Exercise Physiology I  3

Additional Courses Required For Wellness Leadership Track:
ADE 4384  Working with the Adult Learner  3
GEY 3601  Behavior Change in Later Life  3
HLP 4941  Wellness Internship  12
For Athletic Training Track (BPA):
The undergraduate Athletic Training Program Track is a limited access program designed to prepare students for a successful career as a qualified allied health care professional educated and experienced in the management of health care problems associated with sports participation. Selected admissions to the track is gained through completion of required criteria (2.0 GPA, physical education, wellness & sport studies, in addition to the regular university application process. Successful completion of the track qualifies students to take the NATABOC Certification Examination and the State of Florida Athletic Trainer Licensure Examination. Interested students should visit our web site (http://pe.usf.edu/) and attend an organizational meeting held on the first Thursday of each semester. The web site offers students a proposed four year course sequence, a description of our program, a listing of approved clinical sites, on-line application forms and more.

Athletic Training Program Track Requirements:
In order to be admitted to the Athletic Training Program Track, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during the Fall Semester of each academic year. Students must have completed at least 60 semester credit hours prior to the fall of their track entrance. In addition to being admitted to the University of South Florida, students must also apply directly to the School of Physical Education, Wellness, and Sport Studies before March 1st for priority admission consideration into the Athletic Training Program Track. Students applying after March 1st and before August 1st will be accepted only on a space available basis.

1. Admission Criteria: Students must:
   a. submit academic transcripts from all previously attended colleges.
   b. meet the criteria for admission to the College of Education. (exemption from the three common course prerequisites: EDUC 2005, EDUC 2010, and EDUC 2040)
   c. successfully pass the CLAST examination within the first semester after admission to the program.
   d. submit a completed Athletic Training Application by March 1st.
   e. meet the technical standards for admission or show potential for accomplished tasks.
   f. complete an interview by invitation.
   g. achieve a cumulative GPA of 2.5.
   h. achieve a prerequisite GPA of 2.8.
   i. complete the General Education Requirements of the University (36 cr. hrs.) See the University General Education Requirements section of the catalog.
   j. complete the following prerequisites or an equivalent with at least a "C" average. (33 credit hours)
      BSC 2010* Biology I - Cellular Processes 3
      BSC 2010L Biology I Laboratory 1
      BSC 2093 Human Anatomy & Physiology I 3
      BSC 2094 Human Anatomy & Physiology II 3
      CHM 2045* General Chemistry I 3
      CHM 2045L General Chemistry I Laboratory 1
      HSC 2400 First Aid & CPR 2

2. Professional Education Core:
   PET 3310 Kinesiology 3
   PET 3351 Exercise Physiology I 3

3. Additional required Courses for Athletic Training Track:
   HUN 3201 Nutrition 3
   PET 3617C Orthopedic Physical Assessment I (Upper Extremity) 3
   PET 3618C Orthopedic Physical Assessment II (Lower Extremity) 3
   PET 3621C Prevention of Athletic Injuries 3
   PET 3624C Emergency Management of Athletic Trauma 3
   PET 3630C Techniques in Therapeutic Exercise 3
   PET 3660 Athletic Training Administration & Policy 3
   PET 3670L Clinical Instruction in Athletic Training I 3
   PET 3671L Clinical Instruction in Athletic Training II 3
   PET 4353 Exercise Physiology II 3
   PET 4384 Health-Fitness Appraisal & Exercise Prescription 3
   PET 4627 Management of Athletic Injuries 3
   PET 4632C Therapeutic Modalities 3
   PET 4633C Therapeutic Rehabilitation 3
   PET 4672L Clinical Practice in Athletic Training I 3
   PET 4673L Clinical Practice in Athletic Training II 3
   PET 4933 Seminar in Sports Medicine 2
   PET 4935 Case Studies in Athletic Health Care 3

Department of Psychological and Social Foundations of Education
The Department of Psychological and Social Foundations of Education does not offer a specific major or degree program, but provides courses for all students majoring in the wide array of undergraduate programs available in the College of Education. These courses contribute to the students understanding of the general education enterprises and are considered foundational to later professional specialization. Consequently, these courses should be taken early in the professional program, typically in the junior year.

Professional Education Core (34-39 cr. hrs.):
   EDF 3122 Learning and the Developing Child 3
   EDF 3214 Human Development and Learning 3
   EDF 3604 Social Foundations of Education 3
   EDF 4111 Child Growth and Learning 3
   EDF 4131 Learning and the Developing Adolescent 3

In addition the department offers:
   EDF 3228 Human Behavior and Environmental Selection 3
   EDF 3542 Philosophy of Education 4
   EDF 4905 Independent Study: Educational Foundations 1-3
   EDF 4909 Directed Study: Educational Foundations 1-3
   EDF 5136 Adolescence 4
   EDF 5285 Programmed Instruction and Teaching Machines 3
   EDF 5672 American Democracy and Public Education 3
   IDS 3115 Values and Choices 3

The Counselor Education program offers undergraduate courses focusing on human services skill development, decision-making and personal growth. Course content contributes to student success in academic and personal endeavors and...
may serve to orient students to post-graduate work in human services fields.

- MHS 4001 Introduction to Guidance Processes 3
- MHS 4052 Human Relations Skills in Counseling 4
- MHS 4905 Independent Study: Guidance and Counseling Education 1-4
- SDS 4040 Introduction to Student Personnel Work in Higher Education 2
- SLS 1101 The University Experience 2

**Department of Special Education**

The Department of Special Education prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a state-approved program that leads to certification in Varying Exceptionalities. Students are required to meet University and College of Education entrance requirements prior to enrollment in the Department. Upon admission, students affiliate with the campus on which they wish to take their program of studies. Students may not register for courses on other campuses without permission. On the Tampa Campus, students are assigned to teams. All courses are taken with the assigned team. Since no teams start in the summer, there are no summer admissions. The program sequence includes three semesters of part-time field experience and one semester of full-day internship. All part-time field experiences must be successfully completed as a member of a team concurrently enrolled in a specified course in designated local schools. Final internships are assigned only to designated school districts where partnerships exist. Field experiences begin during the first semester of a student’s enrollment with increasing involvement throughout the program. Students are responsible for providing transportation to their experience sites.

In some instances students may pursue a part-time program (9 hours or less a semester). This requires that students be available to participate in field experiences and concurrent classes during regular school hours.

**Prerequisites (State Mandated Common Prerequisites):**

These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3

*Equivalent course or demonstrated competency may be substituted.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

- Nine (9) semester hours in English to include writing, literature, and speech
- Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
- Nine (9) semester hours in mathematics to include college algebra or above and geometry
- Twelve (12) semester hours in social sciences to include American history and general psychology
- Six (6) semester hours in the humanities, including philosophy and fine arts

**Professional Education Core (29 cr. hrs.):**

The required courses in the professional education core are as follows:

- EDF 3122 Learning and the Developing Child 3
- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 2
- EEX 4940 Internship: Exceptional Student Education 9
- EEX 4936 Senior Seminar in Exceptional Student Education 2

**Area of Specialization**

**Varying Exceptionalities (BPX)**

Students seeking the B.S. degree with certification in Varying Exceptionalities are required to take the following courses:

- EEX 4941 Undergraduate Supervised Practicum 1-6
- EEX 4011 Foundations of Special Education 3
- EEX 4054 Perspectives on Learning and Behavioral Disorders 3
- EEX 4221 Educational Assessment of Exceptional Students 3
- EEX 4243 Education of the Exceptional Adolescent and Adult 3
- EEX 4604 Behavior Management for Special Needs and at Risk Students 3
- EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethnic Issues (Exit) 3
- EEX 4846 Clinical Teaching in Special Education 3
- EMR 4011 Mental Retardation and Developmental Disabilities 3
- LAE 4416 Teaching Literature and Writing in the Elementary Grades 3
- MAE 4310 Teaching Elementary School Mathematics I 3
- RED 4310 Early Literacy Learning 3
- RED 4511 Literacy in the Intermediate and Middle Grades 3

**Student Organizations and Activities**

**COLLEGE OF EDUCATION STUDENT COUNCIL**

The College of Education Student Council represents the interests of education majors in regard to policies and needs of the college. The Council leadership team consists of five officers (President, Vice-President, Secretary, Treasurer, and Historian) and seven Student Government Senators. Elections are held annually, all pre-education and education majors are eligible to vote for all officers. C.E.S.C. activities enhance members’ professional growth, provide opportunities for professional and community service, and serve as a forum for socialization. Any student majoring in education with a minimum GPA of 2.0 is eligible to participate in C.E.S.C.

**CHILDHOOD EDUCATION ORGANIZATION**

The Association for Childhood Education International is a non-profit professional organization concerned with the education and well-being of children birth to early adolescence. Members are located throughout the United States.

The USF chapter works directly with children through observation, projects, and programs. In addition, it provides opportunities for students to attend study conferences throughout the state of Florida which allows the student an opportunity for professional growth and exchange of professional ideas. Membership is open to all students, including freshmen, concerned with children from birth to early adolescence.
STUDENT ATHLETIC TRAINERS’ ASSOCIATION (SATA)

The role of this organization shall be to provide students an opportunity for professional growth and exchange of professional ideas in the field of sports medicine. Activities of SATA include opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

STUDENT COUNCIL FOR EXCEPTIONAL CHILDREN

The Student Council for Exceptional Children (SCEC) is an organization of those members of the University interested in the education of children who are gifted, emotionally disturbed, physically handicapped, mentally retarded, or have specific learning disabilities.

Activities of the USF Chapter include field trips to various special educational facilities, opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

NATIONAL EDUCATION ASSOCIATION STUDENT PROGRAM (NEASP)

The National Education Association extends its usual member benefits to student teachers, providing opportunities for professional growth, leadership training, and also $1 million liability insurance coverage while interns are engaged in student teaching. Membership is open to all students.

KAPPA DELTA Pi

Kappa Delta Pi is an international co-educational honor society in Education. The society was founded to recognize and encourage excellence in scholarship, high personal standards, improvement in teacher preparation, and distinction in achievement.

ASSOCIATION OF PHYSICAL EDUCATION COLLEGE STUDENTS (APECS)

The Physical Education and Wellness Association (PEWA) is open to all students enrolled in the Physical Education and Wellness Programs. Social and professional meetings are conducted throughout the year. Professional service to the community is also provided by the association.

MATHEMATICS EDUCATION CLUB

The role of this organization shall be to provide an informative and supportive environment for all members, encourage scholarship, and provide a helpful atmosphere for students progressing through the Mathematics Education program.

Membership shall be available to any student in good standing who expresses interest in the Mathematics Education program at USF.

MINORITY ORGANIZATION OF STUDENTS IN EDUCATION (MOSE)

The Minority Organization of Students in Education is organized to provide students with experiences that will facilitate the educational and professional growth of its members. This is achieved by enriching the students’ experiences, informing them of various opportunities and involving them in activities. Guest speakers are invited to meetings to discuss topics of interest to the members. Resource people are used to inform students of employment and graduate school opportunities. Members of M.O.S.E. sponsor and participate in community service programs.

SCIENCE EDUCATION ASSOCIATION (SEA)

The Science Education Association provides a supportive environment for students majoring in science education, although membership is open to anyone interested in science. SEA plans field trips, guest speakers, and the compiling of a classroom science activities file for education majors.

EDUCATION FACULTY

CHILDHOOD/LANGUAGE ARTS/READING EDUCATION


LEADERSHIP DEVELOPMENT


EDUCATIONAL MEASUREMENT AND RESEARCH


PHYSICAL EDUCATION, WELLNESS, AND SPORTS STUDIES


PSYCHOLOGICAL AND SOCIAL FOUNDATIONS


SECONDARY EDUCATION


SPECIAL EDUCATION

EDUCATION COURSES

ADULT EDUCATION

ADE 4384 Working With the Adult Learner (3)

BUSINESS AND OFFICE EDUCATION

BTE 4401 Special Teaching Methods: Business Education (4)
BTE 4909 Directed Study: Business Education (1-3)
BTE 4936 Senior Seminar in Business and Office Education (2)
BTE 4940 Internship: Business Education (1-12)
BTE 4948 Field-Based Seminar in Business Education (3)
BTE 4717 Curriculum Construction: Business Education (3)
BTE 4161 Program Management of Distributive and Marketing Education (3)

COMPUTERS IN EDUCATION

EME 2040 Introduction to Computers in Education (3)
EME 5403 Microcomputers in Education (3)

CURRICULUM AND INSTRUCTION

EDF 2005 Introduction to Education and Field Experience (3)
EDG 4200 Teaching Diverse Populations and Field Experience (3)
EDG 4620 Curriculum and Instruction (3)
EDG 4909 Directed Studies (1-4)

EARLY CHILDHOOD EDUCATION

EEC 2000 Introduction to Early Childhood Education (3)
EEC 4008 Literature in Early Childhood Education 6A LW (3)
EEC 4203 Programs for Young Children (3)
EEC 4211 Integrated Curriculum: Science and Mathematics (3)
EEC 4212 Integrated Curriculum: Social Sciences/Humanities (3)
EEC 4300 Cognitive Experiences for Young Children (3)
EEC 4303 Creative and Affective Experiences for Young Children (3)
EEC 4439 Child, Family & Teacher Relations (3)
EEC 4706 Language and Emerging Literacy (3)
EEC 4905 Independent Study: Early Childhood Education (1-4)
EEC 4909 Directed Study: Early Childhood Education (1-3)
EEC 4938 Senior Seminar in Elementary Early Childhood Education (2)
EEC 4940 Internship: Early Childhood (10-12)
EEC 4941 Field Experience I (3)
EEC 4942 Field Experience II (3)
EEC 4943 Field Experience III (3)

ELEMENTARY EDUCATION

EDE 4301 Teaching Methods in the Elementary School (3)
EDE 4905 Independent Study: Elementary Education (1-4)
EDE 4909 Directed Study: Elementary Education (1-4)
EDE 4940 Internship: Elementary Education (10-12)
EDE 4941 Childhood Education Internship Level I (3)
EDE 4942 Childhood Education Internship Level II (3)
EDE 4943 Childhood Education Internship III (2)
HLP 4722 Health and Physical Education for the Child (2)
LAE 4314 Language Arts in Childhood Education (3)
LAE 4414 Literature in Childhood Education 6A LW (3)
LAE 4416 Teaching Literature and Writing in the Elementary Grades 6A LW (3)
MAE 4310 Teaching Elementary School Mathematics I (3)
MAE 4326 Teaching Elementary School Mathematics II (2)
RED 4310 Early Literacy Learning (3)
SCE 4310 Teaching Elementary School Science (3)
SSE 4313 Teaching Elementary Grades Social Studies (3)

ENGLISH EDUCATION

LAE 4323 Methods of Teaching English: Middle School (3)
LAE 4464 Adolescent Literature for Middle and Secondary Students 6A LW (3)
LAE 4530 Methods of Teaching English: Practicum (3)
LAE 4642 Methods of Teaching English: High School (3)
LAE 4936 Senior Seminar in English Education (3)
LAE 4940 Internship: English Education (1-12)
LAE 5932 Selected Topics in the Teaching of English (3)

FOREIGN LANGUAGE EDUCATION

FLE 4290 Technology in the Foreign and Second Language Classroom (3)
FLE 4314 Foreign Language Teaching in the Elementary School (3)
FLE 4315 Teaching Students with Limited English Proficiency (3)
FLE 4316 Language Principles and Acquisition (3-2)
FLE 4333 Foreign Language Teaching in the Secondary School (3)
FLE 4365 ESOL Competencies and Strategies (1-3)
FLE 4370 Practicum in Foreign Language Teaching in the Secondary School (3)
FLE 4936 Senior Seminar in Foreign Language Education (2)
FLE 4940 Internship: Foreign Language Education (1-12)

INDUSTRIAL-TECHNICAL EDUCATION

EIA 3192 Technology Education and Society (4)
EIA 4360 Special Teaching Methods: Technology Education (3)
EIV 4210 Program Management: Industrial-Technical Education (4)
EIV 4360 Special Teaching Methods: Industrial-Technical Education (4)
EIV 5315 Program Management: Diversified Cooperative Training (3)
EVT 4065 History and Principles of Vocational Education (4)
EVT 4084C Professional Development in Industrial Technical Education (1-3)
EVT 4165 Curriculum Construction: Industrial-Technical Education (4)
EVT 4365 Basic Teaching Methods in Vocational Education (3)
EVT 4367 Assessing Student Skill in Industrial Technical Education (3)
EVT 4562 Vocational Education for Special Needs Students (3)
EVT 4651 Equity in Schools and the Workplace 6A MW (3)
EVT 4905 Independent Study: Industrial-Technical Education (1-4)
EVT 4909 Directed Study: Industrial-Technical Education (1-3)
EVT 4936 Senior Seminar in Industrial-Technical Education (3)
EVT 4940 Internship: Industrial-Technical Education (1-12)
EVT 4946 Supervised Field Experience: Industrial-Technical Education (1-6)
EVT 5369 Preparation and Development for Teaching (4)
EVT 5644 School Community Development (4)

MATHEMATICS EDUCATION

MAE 4320 Teaching Mathematics in the Middle Grades (3)
MAE 4330 Teaching Senior High School Mathematics (3)
MAE 4581 Reading the Language of Mathematics (2)
MAE 4652 Technology for Teaching Secondary School Mathematics I (3)
MAE 4653 Technology for Teaching Secondary School Mathematics II (3)
MAE 4909 Directed Study: Mathematics Education (1-3)
MAE 4936 Senior Seminar in Mathematics Education (2)
MAE 4940 Internship: Mathematics Education (1-12)

MEASUREMENT AND RESEARCH

EDF 4430 Measurement For Teachers (3)
RED 4511 Literacy in the Intermediate and Middle Grades (3)

PHYSICAL EDUCATION—ELECTIVE

HLP 2081 Personal Wellness: A Lifetime Commitment (3)
PFL 1121 Golf I (2)
PFL 1341 Tennis I (2)
PFL 2122 Golf II (2)
PFL 2342 Tennis II (2)
PFL 2441 Racquetball (2)
PEM 2131 Weight Training (2)
PEM 2441 Karate (2)
PEM 2530 Selected Topics (1-2)
PEM 1121 Swimming I (2)
PEM 2133 Lifeguard Training (2)
PEM 2122 Swimming II (2)
PEM 2136 Skin & Scuba Diving (2)
PET 3931 Selected Topics (1-3)

PHYSICAL EDUCATION—PROFESSIONAL

HLP 4941 Wellness Internship (12)
HSC 2400 First Aid (2)
HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child (3)
PEP 3940 Practicum in Health Promotion/Wellness (4)
PEP 3951 Communication Skills For Wellness Leaders (3)
PEQ 3170 Aquatic Exercise (2)
PET 2622C Care and Prevention of Physical Injuries (3)
PET 3031 Motor Development and Assessment (3)
PET 3080 Survey of Wellness Program (3)
PET 3252 Issues in Sport MW (3)
PET 3310 Kinesiology (3)
PET 3351 Exercise Physiology I (3)
PET 3421 Curriculum and Instruction in Physical Education (3)
PET 3422 Instructional Design and Content: Movement Experiences (3)
PET 3441 Instructional Design and Content: Middle School Physical Education (3)
PET 3617C Orthopaedic Physical Assessment I (Upper Extremity) (3)
PET 3618C Orthopaedic Physical Assessment II (Lower Extremity) (3)
PET 3621C Prevention of Athletic Injuries (3)
PET 3624C Emergency Management of Athletic Trauma & Illness (3)
PET 3830C Techniques in Therapeutic Exercise (3)
PET 3840A Adapted Physical Education (3)
PET 3660 Athletic Training Administration and Policy (3)
PET 3670L Clinical Instruction in Athletic Training I (3)
PET 3671L Clinical Instruction in Athletic Training II (3)
PET 3984L Physical Education Internship: Middle School (4)
PET 4141 Trends and Tasks- Elementary Physical Education (3)
PET 4142 Trends and Tasks - Secondary Physical Education (1)
PET 4304 Principles and Issues in Coaching (3)
PET 4333 Exercise Physiology II (3)
PET 4384 Health-Fitness Appraisal & Exercise Prescription (3)
PET 4401 Organization & Administration of Physical Education Programs (3)
PET 4404 Organization & Administration of Wellness Programs (3)
PET 4432 Instructional Design and Content: Physical Education Elementary (3)
PET 4433 Instructional Design and Content: Physical Education Elementary II (3)
PET 4442 Instructional Design and Content: Physical Education Secondary (3)
PET 4443 Instructional Design and Content: Physical Education Secondary II (3)
PET 4627 Management of Athletic Injuries (3)
PET 4632C Therapeutic Modalities (3)
PET 4633G Therapeutic Rehabilitation (3)
PET 4672L Clinical Practice in Athletic Training (3)
PET 4673L Clinical Practice in Athletic Training II (3)
PET 4905 Independent Study: Professional Physical Education (1-4)
PET 4933 Seminar in Sports Medicine (2)
PET 4935 Seminar in Studies in Physical Health Care (3)
PET 4942 Physical Education Pre-Internship: Elementary (4)
PET 4944 Physical Education Pre-Internship: Secondary (4)
PET 4946 Associate Teaching Physical Education: Elementary (12)
PET 4947 Associate Teaching Physical Education: Secondary (12)

PSYCHOLOGICAL AND SOCIAL FOUNDATIONS

EDF 3122 Learning and the Developing Child (3)
EDF 3214 Human Development And Learning (3)
EDF 3228 Human Behavior and Environmental Selection 6A MW (3)
EDF 3542 Philosophy of Education MW (4)
EDF 3604 Social Foundations of Education MW (3)
EDF 4111 Child Growth and Learning (3)
EDF 4131 Learning and The Developing Adolescent (3)
EDF 4905 Independent Study: Educational Foundations (1-4)
EDF 4909 Directed Study: Educational Foundations (1-3)
EDF 5106 Adolescence (4)
EDF 5285 Programmed Instruction and Teaching Machines (3)
EDF 5507 Trends in the Social Political Foundations of Schooling in the US (3)

EDF 5672 American Democracy and Public Education (1)
IDS 3115 Values and Choices 6A MW (3)
MHS 4052 Human Relations Skills in Counseling MW (4)
MHS 4905 Independent Study: Guidance and Counseling Education (1-4)
SDS 4040 Introduction to Student Personnel Work in Higher Education (2)
SLS 1101 The University Experience (2)

SCIENCE EDUCATION

SCE 4236 Science, Technology, Society Interaction 6A MW (4)
SCE 4305 Communication Skills in the Science Classroom (3)
SCE 4320 Teaching Methods in Middle Grade Science (3)
SCE 4330 Teaching Methods in the Secondary School-Sciences (3)
SCE 4936 Senior Seminar in Science Education (1-2)
SCE 4940 Internship: Science Education (1-12)
SCE 5937 Selected Topics in Science Education (1-4)

SOCIAL SCIENCE EDUCATION

SSE 4333 Teaching Middle Grades Social Science (3)
SSE 4334 Teaching Secondary Grades Social Science (3)
SSE 4380 Global And Multicultural Perspectives in Education MW (3)
SSE 4640 Communication Skills in the Social Sciences (2)
SSE 4670 Economics USA: Principles of Economics for Teachers (3)
SSE 4693E Senior Seminar in Social Science Education (3)
SSE 4940 Internship: Social Science Education (1-12)
SSE 5644 Economic Decision-Making for Teachers (3)

SPECIAL EDUCATION

EED 4011 Introduction to Behavior Disorders (3)
EED 4090 Directed Study: Behavior Disorders (1-3)
EED 4941 Undergraduate Supervised Practicum in Behavior Disorders (1-6)
EEX 4011 Foundations of Special Education (3)
EEX 4064 Perspectives on Learning and Behavioral Differences (3)
EEX 4070 Integrating Exceptional Students in the Regular Classroom (2-3)
EEX 4221 Educational Assessment of Exceptional Students (3)
EEX 4243 Education of the Exceptional Adolescent and Adult (3)
EEX 4604 Behavior Management for Special Needs and at Risk Students (3)
EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues 6A LW (3)
EEX 4846 Clinical Teaching in Special Education (3)
EEX 4905 Independent Study: Exceptional Student Education (1-3)
EEX 4909 Directed Study. Exceptional Student Education (1-3)
EEX 4909E Denier Seminar in Exceptional Student Education (1)
EEX 4940 Internship: Exceptional Student Education (1-10)
EEX 4941 Practicum in Exceptional Student Education (1-4)
EEX 5705 Seminar in Preschool Handicapped (2)
EEX 5752 Working With Families: A Practicd Perspective (3)
EGI 4941 Undergraduate Supervised Practicum in Gifted Student Education (1-6)
EGI 5051 Nature and Needs of the Gifted (3)
EGI 5329 Theory and Development of Creativity (3)
ELD 4011 Introduction to Specific Learning Disabilities (3)
ELD 4905 Independent Study: Specific Learning Disabilities (1-3)
ELD 4909 Directed Study. Specific Learning Disabilities (1-3)
ELD 4941 Undergraduate Supervised Practicum in SDL (1-6)
EMR 4011 Mental Retardation and Developmental Disabilities (3)
EMR 4230 Educating the Severely/Profoundly Handicapped (3)
EMR 4905 Independent Study: Mental Retardation (1-3)
EMR 4909 Directed Study. Mental Retardation (1-3)
EMR 4941 Undergraduate Supervised Practicum in Mental Retardation (1-6)
EPH 5051 Advanced Theories in Motor and Physical Disabilities (3)
EPH 5321 Educational Strategies for Physically and Multihandicapped Students (3)
**MISSION STATEMENT**

The mission of the USF College of Engineering is to continuously aspire to excellence in teaching, research and public service. The College values academic excellence, professionalism, ethics and cultural diversity among its students, staff and faculty. The College is committed to addressing the needs of its constituencies and gives careful consideration to the urban and suburban populations in our service area.

At the undergraduate level the College is committed to provide students with a strong, broad-based, fundamental engineering education as preparation for careers in industry in a global environment, and government, or as preparation for advanced studies in professional schools of engineering, science, law, business and medicine.

At the graduate level students work in close collaboration with faculty, pursuing advanced topics within their disciplines, which will result in advancements in their fields and society at large.

Utilizing the expertise of its individual and collective faculty, the College is dedicated to the development of new fundamental knowledge and processes or procedures, which will benefit all human beings. The College promotes multi-disciplinary approaches, commitment to life-long learning and awareness of societal issues, which are requisite for meeting technological challenges.

The College provides technical assistance and technology transfer to the region, state and nation. In all facets of teaching, research and service, the College emphasizes close liaison with industry and government to provide students and faculty with the skills and perspectives needed to ensure effective technological leadership.

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The College of Engineering offers undergraduate and graduate programs to prepare students for a broad spectrum of professional careers in engineering. Laboratory experience as well as real-world participation in technological problem-solving is a key aspect of a professional engineer’s college education. The College of Engineering, in implementing this need, augments its own modern laboratory and research facilities by close contact with the professional societies and the many industries in the metropolitan Tampa Bay area.

Students in engineering choose from a variety of quality majors depending upon individual interests and career objectives. The engineering programs of the College have been developed with an emphasis on three broad aspects of engineering activity: design, research, and the operation of complex technological systems. Students who are interested in advanced design or research should pursue the 5-Year Program leading to a Master of Science in Engineering degree. The Accreditation Board for Engineering and Technology, Inc. (ABET) has inspected and accredited the programs of the College of Engineering defined by the Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering and Mechanical Engineering. The Bachelor of Science program in Computer Science is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB).

See “Departments and Programs” in this section for descriptions of engineering fields and degrees offered by the College. The “Four Year Programs” section includes suggested courses students need to take, beginning with their first semester at USF.

Students interested in particular programs offered by the College of Engineering should direct their inquiries to the College of Engineering Office of Advising (see Advising section below). Information is also available on the College’s website: http://www.eng.usf.edu/.

**PROFESSIONAL ENGINEERING**

The College of Engineering recognizes that modern engineering solutions draw on knowledge of several branches of engineering. It also recognizes that future technological and societal developments will lead to shifting of the relative emphasis on various branches of engineering, triggered by new needs or a reassessment of national goals. For this reason the College’s programs include a strong engineering foundation portion, designed to equip the prospective engineer with a broad base of fundamental technical knowledge. To this foundation is added the student’s specialization of sufficient depth to prepare him/her to successfully embark on a professional career.

The Bachelor of Science degrees offered in various engineering fields provide the student a broad education with sufficient technical background to contribute effectively in many phases of engineering not requiring the depth of knowledge needed for advanced design or research. However, while the baccalaureate degree is considered the minimum educational experience for participating in the Engineering profession, and as such is the first professional degree, students interested in design and research are strongly encouraged to pursue advanced work beyond the baccalaureate either at this or other institutions. It is important to note that a large segment of today’s engineering professionals are involved in some form of post baccalaureate study. Engineers are earning advanced degrees to obtain the information and training necessary to meet effectively tomorrow’s technological challenges. All are faced with the continuing problem of refreshing and updating their information skills and most are obtaining advanced information by means of formal graduate study, seminars, special institutes and other such systems designed for this purpose. Life-long learning is a fact in engineering practice, and graduates must be aware and prepared to follow it.

The Bachelor of Science degree program in a designated engineering field and the Master of Science degree in the same field may be pursued simultaneously in a program called the 5-Year Program. The 5-Year Program requires 30 semester hours of graduate work in addition to that of the Bachelor of Science degree.

**Preparation for Engineering**

Students planning to attend USF’s College of Engineering should familiarize themselves thoroughly with the College’s admission standards and requirements, which are more stringent than the University’s minimum entrance requirements.

The high school student anticipating a career in engineering should elect the strongest academic program that is available while in high school, including four years each of English, mathematics and science (preferably including Chemistry and Physics), as well as full programs in the social sciences and humanities.

Prospective students considering engineering at the University of South Florida who lack certain preparation in high school must elect to follow a program to overcome their deficiencies. One alternative for these students, classified as “Pre-Engineering majors” might include preparatory coursework. The University of South Florida generally offers most required pre-engineering courses every semester. As another alternative, students may wish to avail themselves of the State’s system of junior/community colleges which offer a wide range of preliminary coursework; many of these schools also offer full programs in pre-engineering (first two years’ coursework).

Junior/community college students planning to transfer to the University of South Florida’s engineering program at the junior level from a State of Florida operated college or university should follow a pre-engineering program leading to an A.A. degree. All transfer students should complete as much of the
mathematics and science coursework as is available to them. Transfer students should be aware that the College expects them to meet its admission requirements listed in this section under college regulations for graduation just as it expects its own students to meet these requirements. Junior/community college transfer students should note that in addition to freshman and sophomore level courses, required junior level courses are given each semester thus permitting full continuity in studies for the student. Junior/community college students intending to pursue an engineering program at USF should contact the advisor at their institution and request a course equivalency list.

The College of Engineering can assist students who are planning to obtain an Engineering degree from the University of South Florida and who have started their studies elsewhere in formulating a sound total program. Interested students should contact the College’s Advising Office (813/974-2684) furnishing sufficient details to permit meaningful response.

STUDENT COMPUTER POLICY

Although it is not mandatory, the College strongly recommends acquisition of either a desktop or a laptop personal computer. Recommended computer configuration for a student to be able to run engineering applications is indicated on the College web page http://www.eng.usf.edu. For further details, contact the Associate Dean of Engineering or the Director of Engineering Computing in the College. Also see the section on “College” Computing Facilities.

Undergraduate Admission to the College of Engineering

Before declaring a particular major within the field of engineering, students must meet two sets of admission requirements: one for the College of Engineering and the other for the student’s chosen degree program (see “College of Engineering Admission Requirements” and “Admission Requirements for Programs in Engineering” below). Students may apply to the College of Engineering upon initial entry to the University by declaring Engineering as their intended major on their admissions application. When a student is accepted to USF, engineering staff will review the necessary credentials and notify the applicant of his or her Engineering status.

USF students may apply through the Advising Office, in the College of Engineering. To be considered for admission to the College, an applicant must be accepted by the University as a degree-seeking student and be academically in good standing.

Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL score must be 550.

COLLEGE OF ENGINEERING ADMISSION REQUIREMENTS

1. Freshmen:
   a. Test Scores:
      SAT—combined score of 1050 minimum with a minimum quantitative of 550.
      ACT—combined score of 25 minimum and mathematics of 25 minimum.
   b. High School Mathematics: Should include sufficient algebra and trigonometry to enter Engineering Calculus I.
   c. High School Grade Point Average of 2.5/4.0.

2. Transfer Students:
   a. Engineering
      Florida community college transfer students that have completed the courses shown below with a minimum grade of “C” are accepted directly into the College of Engineering.
      Communications:
      ENC 1101/1102 English I and II (6)
      Mathematics:
      MAC 2311 Engineering Calculus I (4)
      or MAC 2281, MAC 2282, MAC 2283

   b. Computer Science
      Transfer students into the Computer Science program from a Florida community college are not required to have Differential Equations, MAP X302, or any of the Chemistry courses indicated above.

   c. Information Systems
      Transfer students into the Information Systems program from a Florida community college are not required to have Calculus III, Differential Equations, MAP X302, or any of the Chemistry courses indicated above.

All other transfer students should contact the College’s Admission Office (813/974-2684).

REQUIRED PREREQUISITES FOR ENTERING ENGINEERING PROGRAMS

Once a student has been admitted to the College of Engineering, he/she must then seek admission into one of the specific departments.

The minimum requirements for acceptance by the departments administering the Engineering programs in Chemical, Civil, Electrical, Industrial and Mechanical Engineering are completion of English, Calculus, Differential Equations, Physics and Chemistry requirements.

The minimum requirements for admission to the Computer Engineering, Computer Science, and Information Systems programs offered by the Computer Science and Engineering Department are completion of English I & II, Physics I & II (and labs) and Calculus I & II with a grade point average of 3.0 or higher in those eight courses. Following departmental admission, it is necessary that a student complete the courses CDA 3100 (Computer Organization), and COP 3514 (Program Design) with a grade point average for all attempts of at least 3.0 prior to taking any other departmental courses.

Prior to being admitted to a department, a student may be permitted to take no more than two departmental engineering courses. Individual departments may have continuation requirements.

A student can have his or her academic records housed in a department and be advised by the department advisor prior to completing requirements for department admission if he or she so chooses. This type of student must still comply with all of the above-listed requirements prior to official acceptance by the department.

Engineering Advising

Effective pursuit of engineering and engineering related studies requires careful attention to both the sequence and the type of courses taken. The engineering curriculum differs in key respects from the study plans of other majors—even in the freshman year.

New students must attend the University’s Orientation program. They are assigned an engineering advisor during this program and receive advisement for their first semester at that time.

The student and advisor jointly work out a plan of study that meets both the student’s career objectives and the College of
Engineering's degree requirements. The advisors maintain the College of Engineering student's records.

Students not yet meeting departmental admissions requirements may elect to be advised by the general engineering advising office or the department of their intended specialization.

While the College provides advising services to assist students with academic planning, the responsibility for seeing that all graduation requirements are met rests with the students.

The College of Engineering requires all undergraduates to apply for graduation the semester prior to the anticipated graduation term. Necessary forms and instructions can be obtained in the Engineering Advising Office.

Advising Offices

Tampa Campus: The College of Engineering is located near the south-central side of campus; the Engineering Advising Office is on the Northeast corner of the portables west of Engineering II in room ENX 100, (813) 974-2684.

Sarasota Campus: Palmer “C” Building (PMC), Room 101, (941) 359-4331/4330.

Lakeland Campus: Student Services Office (LCC), Room 2100, (800) USF-5636 (in state only), (863) 667-7071

Office Hours

Usual office hours are 8 a.m. - 5 p.m., Monday through Friday. For off-time meeting hours, please call the College’s advising office.

DEPARTMENTS AND PROGRAMS

The supervision of the academic programs for the College is the function of the six administrative departments together with several coordinators. Each department is responsible for specific professional programs, faculty, laboratories, and student advising.

CHEMICAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Chemical Engineering (B.S.C.H.)
Graduate Degrees Offered:
Master of Science in Chemical Engineering (M.S.C.H.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Chemical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Chemical Engineering. Topics included are thermodynamics, fluid flow, heat transfer, mass transfer, separation processes, reactor design, instrumentation, control, economics optimization, computational methods, computer aid design techniques, and process/plant design. These courses, together with mathematics, physics, chemistry, other interdisciplinary engineering fundamentals, English, and liberal arts courses, provide the basis for long-range professional progress. Because of the many professional areas available for employment to the chemical engineer, the students are also required to take a number of electives from areas such as biotechnology, materials, and environmental engineering. These electives are designed to broaden the experience, and, therefore, the employment possibilities of our graduates. The Chemical Engineering Department also offers a sequence of courses in Chemical Engineering Science, biotechnology and biomedical engineering.

A sequence of courses in the engineering aspects of biotechnology is currently available within the Chemical Engineering program. Topics include applied microbiology, fermentation, enzyme technology, cell separation technology, biomedical engineering, biomaterials, bioengineering, and biomechanics.

CIVIL AND ENVIRONMENTAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Civil Engineering (B.S.C.E.)

Graduate Degrees Offered:
Master of Science in Civil Engineering (M.S.C.E.)
Master or Science in Engineering (M.S.E.)
Master of Science in Environmental Engineering (M.S.E.V.)
Master of Civil Engineering (M.C.E.)
Master of Engineering (M.E.)
Master of Environmental Engineering (M.E.V.E.)
Doctor of Philosophy in Civil Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers course work and study pertinent to Civil Engineering, Engineering Mechanics, Material Science, and Environmental Engineering. Areas of concentration are structural engineering, engineering mechanics, geotechnical engineering, transportation engineering, water resources engineering, materials and corrosion engineering, and environmental engineering.

Students completing the program may enter the profession as engineers in the civil, structural, geotechnical, transportation, water resources, environmental, hydraulics, or materials discipline. All of these disciplines share the need for knowledge in the areas of engineering mechanics, civil engineering, material science, and environmental engineering. Through choice of the proper area of concentration, a student has the opportunity to channel academic studies specifically towards his/her career choice.

Graduates of the program may commence their engineering careers in either industry, in engineering consulting firms, or in public service at the federal, state, or local level. Initial assignments may include planning, design and implementation of water resources systems, planning and design of transportation and housing systems, regional planning, design, and management for abatement of air, water and solid waste pollution problems; design of bridges and single and multistory structures; and supervision of construction projects.

COMPUTER SCIENCE AND ENGINEERING

Undergraduate Degrees Offered:
Bachelor of Science in Computer Engineering (B.S.Cp.E.)
Bachelor of Science in Computer Science (B.S.C.S.)
Bachelor of Science in Information Systems (B.S.I.S.)

Graduate Degrees Offered:
Master of Science in Computer Science (M.S.C.S.)
Master of Science in Computer Engineering (M.S.C.E.)
Doctor of Philosophy in Computer Science and Engineering (Ph.D.)

Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Computer Science, Computer Engineering, and Information Systems. Topics dealt with are computer architecture and hardware design, software engineering, computer system organization, operating systems, algorithms and data structures, computer graphics, user interface, computer networks, database systems, robotics, theory of computation and artificial intelligence.

Our research areas of faculty concentration are 1) computer architecture and VLSI design/testing, 2) artificial intelligence and robotics, 3) graphics/image processing/computer vision, and 4) networks.

Computing facilities available to students in the Department include several microprocessor and design laboratories for hardware-oriented studies, personal computer laboratories for general use in programming assignments, and networked SUN workstations for use by majors. The Department maintains a number of research laboratories equipped with special purpose hardware. In addition, the Department has access to a large IBM mainframe facility run by the University Computing Center.
ELECTRICAL ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Electrical Engineering (B.S.E.E.)
Graduate Degrees Offered:
Master of Science in Electrical Engineering (M.S.E.E.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Electrical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)
This department offers study in all areas fundamental to Electrical Engineering and the electrical sciences: circuit analysis and design, electronics, communications, electromagnetics, controls, solid state, system analysis, digital circuit design, microelectromechanical systems (MEMS) and the like. Basic concepts are augmented with well-equipped laboratories in circuits, electronics, digital systems, microwave techniques, wireless circuits & systems, controls and communications. In addition, a general-purpose computer facility, a microprocessor and digital signal processing laboratory and a microelectronics fabrication, design/test and metrology laboratory are available to undergraduate and graduate students.

INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Industrial Engineering (B.S.I.E.)
Graduate Degrees Offered:
Master of Science in Industrial Engineering (M.S.I.E.)
Master of Engineering (M.E.)
Master of Science in Engineering Science (M.S.E.S.)
Master of Science in Engineering Management (M.S.E.M)
Master of Industrial Engineering (M.I.E.)
Doctor of Philosophy in Industrial Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)
This department offers study pertinent to the design, evaluation and operation of a variety of industrial systems, ranging from the analysis of public systems to the operation of manufacturing plants. Topics include production planning and control, production and plant design, applied statistics, operations research, human factors, and productivity, manufacturing, and automation. The department has excellent laboratory facilities which support class projects and research in microcomputer applications, computer-aided manufacturing, automation, and applications of robotics. Evening and off-campus programs are available through the Master of Science in Engineering Management (M.S.E.M.) program. The department also administers the manufacturing option in the M.S.E. program.

MECHANICAL ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Mechanical Engineering (B.S.M.E.)
Graduate Degrees Offered:
Master of Science in Mechanical Engineering (M.S.M.E.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Mechanical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)
Courses in basic science and mathematics, thermal and fluid sciences, material science, solid mechanics, dynamics, machine design, vibrations, instrumentation and control.
Graduates of this program are employed in research, design, production, marketing, service, installation (contracting), maintenance and operation in such industries as mining, petrochemical, power, manufacturing, air-conditioning, defense systems, aerospace, data processing, communications, and automotive.
Laboratories are available for basic instrumentation, thermal and fluid sciences, solid mechanics, data acquisition and control, CAD/CAE, vibrations, and aerodynamics.

Preliminary Coursework for Engineering Students
Both the four-year and five-year curricula of the College of Engineering Bachelor of Science programs are based on a set of coursework that is required of all engineering students. This coursework is designed to give each student a thorough foundation of knowledge on which specialization studies and a professional career can be based. Emphasis is placed on three key elements: development of communication skills, familiarity with the social sciences and humanities and a solid base in science and mathematics.

Each degree-granting department has developed a list of courses to provide key elements for the degree offered. While the specific courses will vary slightly from one department to another, the categories are as follows:

General Education Courses
(Social Sciences, Humanities, Communications)
Mathematics, Chemistry and Physics
Common Engineering Courses
Department Specialization
Special course requirements exist for Chemical Engineering, Computer Engineering, Computer Science, and Information Systems, and students selecting any of those fields should be aware of their specific requirements. Students may consult the degree granting department or the College’s Advising Office for detailed information.

1. UNIVERSITY LIBERAL ARTS REQUIREMENTS
All students are required to take 42 semester hours to complete the University liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 6 semester hours will satisfy the exit requirements. These requirements are distributed as follows:

General Education Requirements* Semester Hours
English Composition 6
Quantitative Methods 6
Natural Sciences 6
Social Sciences 6
Historical Perspectives 6
Fine Arts 3
African, Latin American, Middle Eastern or Asian Perspectives 3
Exit Requirements* (Must be taken at USF) 36
Major Works and Major Issues 3
Literature and Writing 3

*Courses may be certified in more than one area, but students may use each course in only one (1) area.

Courses in the liberal arts requirements should incorporate the following components whenever they are relevant to the specific discipline: the learning skills of conceptual thinking, analytical thinking, creative thinking, written expression, oral expression, and the dimensions of values and ethics, international perspectives, environmental perspectives, race and ethnicity, and gender. When warranted by the subject matter, each course must incorporate consideration of at least one of the dimensions and one of the thinking skills to meet the liberal arts requirements.

Departments should ensure that courses proposed for the liberal arts have sufficient depth and breadth. These courses will share the substantive rigor and intellectual challenge of courses offered for major credit, with the specific feature of offering an integrative perspective of the discipline and its relationship to academia as a whole. Additionally, such courses will encourage majors to interact with students from other disciplinary backgrounds.
2. MATHEMATICS AND SCIENCE CORE REQUIREMENTS

In mathematics this coursework consists of a Calculus for Engineers sequence (or a calculus sequence of equivalent level), Differential Equations, and additional hours of designated courses supportive of the student’s selective field of specialization, as specified by the department. In the science coursework students must take the Physics with Calculus sequence and General Chemistry course(s) depending on the degree-granting program.

Students whose high school preparation is insufficient to enter the Calculus for Engineers are required to take supplementary algebra and trigonometry prior to being considered for acceptance into the College.

FOUR-YEAR PROGRAMS LEADING TO A BACHELOR OF SCIENCE DEGREE IN A DESIGNATED ENGINEERING FIELD

These engineering degrees are awarded upon successful completion of a program consisting of the required areas of coursework. Programs are offered in the following disciplines of Engineering:

• CHEMICAL ENGINEERING

Mission Statement

The mission of the Department of Chemical Engineering is to provide fundamental knowledge and contemporary skills for the development, economic design, and safe operation of chemical processes in a manner compatible with societal values.

Program Education Objectives

1. Our graduates will be able to apply engineering and scientific principles to the development, economic design, and safe operation of chemical processes in a manner compatible with societal values.

2. Our graduates will be able to build upon their undergraduate education, expanding and adapting their knowledge and skills in their chosen career path.

3. Our graduates will be able to function as professionals, working both as individual and as team members striving towards common objectives, communicating effectively and following appropriate ethical standards in the process.

4. Our graduates will be able to be productive members of society in general as a result of their technical abilities combined with their broad exposure to the humanities and awareness of societal and global issues.

Students pursuing the Bachelor of Science in Chemical Engineering take coursework in advanced chemistry, thermodynamics, fluids, heat, and mass transfer, numerical methods, separation processes, reacting systems, instrumentation, control, and plant design. Students must also satisfactorily complete a design project as part of their program. Students seeking the Biotechnology/Biomedical Certificate are also required to take additional courses in general biology, microbiology, and biochemistry. Chemical Engineering Students must maintain a GPA of 2.0 in required departmental courses. Therefore, it is imperative that the students retain close contact with their advisor.

Students completing this program normally initiate their careers in manufacturing, environmental, and biological enterprises. Chemical engineers are found in administrative, technical, and research positions in these industries. Main products of these industries are petrochemicals, polymers, fibers, natural and synthetic fuels, electronic materials, fertilizers, pharmaceuticals, bio-materials, etc.

Solutions of modern societal and scientific problems often require the use of chemical engineering skills. Chemical Engineering students must have access to an IBM compatible personal computer during their last two years of study. Those who do not own one will be severely disadvantaged.

Four-Year Curriculum - Chemical Engineering

In addition to the College’s graduation requirements, all graduating seniors must take the Chemical Engineering Fundamentals of Engineering Examination.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the University’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the University. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

Communications:
ENC 1101/1102  English I and II (6)

Humanities & Social Sciences:

Humanities Courses (6)
Social Science Courses (6)

Mathematics:
USF  C/C
MAC 2281  MAC 2311* (4)
MAC 2282  MAC 2312* (4)
MAC 2283  MAC 2313* (4)
MAP 2302  MAP 2302 (3)
*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:
USF  C/C
CHM 2045  CHM 1045* (3)
CHM 2045L  CHM 1045L* (1)
PHY 2048  PHY 2048 (3)
PHY 2048L  PHY 2048L (1)
PHY 2049  PHY 2049 (3)
PHY 2049L  PHY 2049L (1)
*or CHS 1440 Chemistry for Engineers

The schedule that follows indicates how a diligent student who can devote full time to coursework can satisfy requirements in four academic years. Students without a solid foundation or those who cannot devote full time to academics should plan a slower pace.

Semester I

ENC 1101  Composition I  3
MAC 2281  Eng. Calculus I  4
CHM 2045  General Chemistry I  3
EGN 3000  Found. of Engin.  1
ALAMEA Perspectives Elective  3
Fine Arts Elective  3
Total  17

Semester II

ENC 1102  Composition II  3
MAC 2282  Eng. Calculus II  4
CHM 2046  General Chemistry II  3
CHM 2045L  General Chem. I Lab  1
PHY 2048  General Physics I  3
PHY 2048L  General Physics I Lab  1
Historical Perspectives Elective  3
Total  18

Semester III

MAC 2283  Eng. Calculus III  4
CHM 2046L  General Chem. II Lab  1
PHY 2049 General Physics II 3
PHY 2049L General Phys. II Lab 1
EGN 3311 Statics 3
ECN 3211 Communications for Engineers 3
Total 15

Semester IV
MAP 2302 Differential Equations 3
EGN 3358 Thermo, Fluids & HT 4
EGN 3373 Circuits 3
EGN 3443 Engineering Statistics 3
EGN 3613 Engineering Economy 3
Total 16

Semester V
ECH 3023 Process Engineering I 4
ECH 3323L Chem Lab I 1
ECH 4264 Transport Phenomena 3
CHM 2210 Org. Chem. I 3
CHM 2210L Org. Chem. I Lab 2
CHM 4410 Physical Chemistry I 3
Total 16

Summer
Chemical Engineering Elective 3
Chemical Engineering Elective 3
EGN 3365 Materials Engineering I 3
Total 9

Semester VII
ECH 4415C Process Engineering III 4
ECH 4415L Chem. Lab III 1
ECH 4846 Quant. Methods ChE 3
Chemical Engineering Design Elective 2
Social Science Elective 3
Historical Perspectives Elective 3
Total 16

Semester VIII
ECH 4323C Automatic Controls I 4
ECH 4615 Plant Design 4
Social Science Elective 3
Science Elective 3
Total 14

• CIVIL AND ENVIRONMENTAL ENGINEERING

Mission Statement
The mission of the Department of Civil and Environmental Engineering is
1. to provide a quality educational experience for all students,
2. to develop new knowledge, processes, or procedures through research which will benefit mankind; and
3. to provide service through professional activities.

Undergraduate Program, Vision and Guiding Principles
The Department will provide our undergraduate students with a strong, broad-based, engineering education which gives them the basic intellectual and organization skills that allow them to work with complex systems with technological, social, and environmental components. As many of our stu-
dents begin work upon graduation in industry or with govern-
mental organizations, the curriculum is designed to prepare our students for these roles by requiring a number of courses in the various fields of civil engineering and by providing limited specialization in one given area. The curriculum is designed to encourage lifelong learning and to prepare students for undertaking advanced studies in engineering or in other profes-
sional areas.

Undergraduate Educational Objectives
1. The Department will provide undergraduate students with the strong technical education needed for a career in civil engineering.
2. The Department will provide undergraduate students with an education that prepares them to perform effectively in the workplace with the communication skills needed to deal with co-workers, clients, and the public.
3. The Department will provide undergraduate students with an education that allows them to understand the societal implications of engineering decisions and designs in both a local and global context and the ethical training to evaluate those implications.
4. The Department will provide undergraduate students with an education that promotes the full and continuing development of their potential as engineers and effective members of society.

Concentrations
In addition to designated common coursework in engineering mechanics, civil, and environmental engineering, students undertake a concentration of 9 hours of coursework plus a 3-hour capstone design course in one of the following areas: environmental engineering, water resources, structures, materials, geotechnical with emphasis on structures, geotechnical with emphasis on transportation, and transportation.

Departmental Policies
In addition to the College’s graduation requirements, the Department has the following policies:
1. Mandatory academic advising of each student each term.
2. Exit interviews as a graduation requirement for all students; and
3. Only 2 “D” grades in engineering courses can be used to fulfill graduation requirements.

Four-Year Curriculum - Civil Engineering

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

Communications:
ENC 1101/1102 English I and II (6)

Humanities & Social Sciences:
Humanities Courses (8)
Social Science Courses (6)
Humanities or Social Sciences (3)

Mathematics:
USF MAC 2281 C/C
MAC 2311* (4)
Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester I
ENC 1101 Composition I 3
MAC 2281 Engineering Calculus I 4
CHM 2045 General Chemistry I 3
CHM 2045L General Chemistry I Lab 1
EGN 3000 Foundations of Engineering 1
Social Science Elective 3
Total 15

Semester II
ENC 1102 Composition II 3
MAC 2282 Engineering Calculus II 4
CHM 2046 General Chemistry II 3
PHY 2048 General Physics I 3
PHY 2048L General Physics I Lab 1
EGS 1113 Introduction to Design Graphics 3
Total 17

Summer Semester
ALAMEA Perspective Elective 3
Historical Perspective Elective 3
EGN 313C Engineering Economy I 3
Total 9

Semester III
PHY 2049 General Physics II 3
PHY 2049L General Physics II Lab 1
MAC 2283 Engineering Calculus III 4
EGN 3311 Statics 3
Historical Perspectives Elective 3
ENC 3211 Communication for Engineers 3
Total 17

Semester IV
MAP 2302 Differential Equations 3
EGN 3321 Dynamics 3
EGN 3343 Thermodynamics 3
EGN 4433 Engineering Statistics 3
EGN 3365 Materials I 3
Total 15

Semester V
EGN 3353 Fluid Mechanics 3
EGN 3331 Mechanics of Materials 3
EGN 3331L Mechanics of Materials Lab 1
EVR 4001 Environmental Engineering I 3
TTE 4004 Transportation Engineering I 3
EGN 4420 Numerical and Computer Tools 3
Total 16

Semester VI
CES 3102 Structures I 3
CWR 4204 Hydraulics 3
EGN 3373 Introduction to Electrical Systems I 3
CGN 3021L Civil Engineering Lab 2
GLY 3850 Geology for Engineers 3
Total 14

Semester VII
CEG 4011 Geotechnical Engineering II 3
CEG 4011L Geotechnical Engineering Lab 1
CES 4702 Concepts of Concrete Design 3
CE Concentration Requirement 3
CE Concentration Requirement 3
Total 13

Semester VIII
CGN 4122 Professional/Ethical Issues in Engineering MW/MI 3
CE Concentration Requirement 3
CE Capstone Design Requirement MW/MI 3
Fine Arts Elective 3
Social Science Elective 3
Total 15

CIVIL ENGINEERING CONCENTRATION AND CAPSTONE DESIGN REQUIREMENTS

Environmental Engineering
ENV 4417 Water Quality and Treatment 3
ENV 4552 Environmental Engineering Operations and Processes 3
CWR 4103 Water Resources Engineering I 3
CWR 4812 Capstone Water Resources/Environmental Design 3

Water Resources
CWR 4103 Water Resources Engineering I 3
CWR 4545 Water Resources Engineering II 3
ENV 4417 Water Quality and Treatment 3
CWR 4812 Capstone Water Resources/Environmental Design 3

Structures
CES 4605 Concepts of Steel Design 3
Technical Elective 3
Technical Elective 3
CWR 4740 Capstone Structural/Geotechnical/Materials Design 3

Materials
EMA 4324 Corrosion of Engineering Materials 3
CGN 4851 Concrete Construction Materials 3
CES 4605 Concepts of Steel Design 3
CES 4740 Capstone Structural/Geotechnical/Materials Design 3

Geotechnical with emphasis on Structures
CEG 4012 Geotechnical Engineering II 3
CES 4605 Concepts of Steel Design 3
Technical Elective 3
CWR 4740 Capstone Structural/Geotechnical/Materials Design 3

Geotechnical with emphasis on Transportation
CEG 4012 Geotechnical Engineering II 3
SUR 2101 Surveying 3
Technical Elective 3
CEG 4850 Capstone Geotechnical/Transportation Design 3
The Information Systems track combines a basic coverage of hardware and software with a core of business related courses and additional course work in areas such as networks and database. The emphasis in this track is on the application of computing.

Graduates from these programs follow fruitful careers developing either scientific or business applications of computers, as well as in the design of computer systems. They are often involved in the systems level definition of information processing complexes for both manufacturers of computers and for users. A wide and expanding variety of design and applications opportunities characterize this field. The rapid growth and continual change within this field makes it essential for students to acquire a broad foundation in applied mathematics and the physical sciences, and to develop communication skills and to become familiar with the domains of potential computer application in the Humanities and Social Sciences. Research and development opportunities as a computer scientist and engineer, often following graduate education, are present in the areas of computer architecture and VLSI design, artificial intelligence, software engineering, digital media communications, multimedia, robotics, database networks, user interface, fault-tolerant computing and testing, computer graphics, image processing and computer vision, and simulation.

The schedules which follow indicate how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.

Four-Year Curriculum in Computer Science

In addition to the College’s graduation requirements, the department has the policy of not accepting any D grade in department courses.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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<th>Course</th>
<th>Credit</th>
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<tr>
<td>COP XXX</td>
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<tr>
<td>MAC X311</td>
<td>4</td>
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<tr>
<td>MAC X312</td>
<td>4</td>
</tr>
<tr>
<td>PHY X048/X048L</td>
<td>4</td>
</tr>
<tr>
<td>PHY X049/X049L</td>
<td>4</td>
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<tr>
<td>PHY X049C</td>
<td>4</td>
</tr>
</tbody>
</table>

*Introductory Programming in Ada, C, C++, or PASCAL or equivalent language.

**Two (2) science courses for science majors.

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Department Admissions Requirements

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General
Physics I & II (with labs) with a grade point average of 3.00 or higher in all courses.

<table>
<thead>
<tr>
<th>Semester I</th>
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<tbody>
<tr>
<td>MAC 2281</td>
<td>Engineering Calculus I</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>EGN 3000</td>
<td>Fundamentals of Eng</td>
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<tr>
<td>Science Elective</td>
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<tr>
<td>Social Science Elective</td>
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<table>
<thead>
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<th>Semester II</th>
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<tbody>
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<td>MAC 2282</td>
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<td>General Physics I</td>
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<tr>
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<td>General Physics I Lab</td>
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<td>STA 4442</td>
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**Four-Year Curriculum in Computer Engineering**

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

In addition to the College's graduation requirements, the department has the policy of not accepting any D grade in department courses.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

**Communications:**

- ENC 1101/1102 English I and II (6)

**Humanities & Social Sciences:**

- Humanities Courses (6)
- Social Science Courses (6)
- Humanities or Social Sciences (3)

**Mathematics:**

- MAC 2281 MAC 2311* (4)
- MAC 2282 MAC 2312* (4)
- MAC 2283 MAC 2313* (4)
- MAP 2302 MAP 2302 (3)

*or MAC 2281, MAC 2282, MAC 2283

**Natural Sciences:**

- CHM 2045 CHM 1045* (3)
- CHM 2045L CHM 1045L* (1)
- PHY 2048 PHY 2048 (3)
- PHY 2048L PHY 2048L (1)
- PHY 2049 PHY 2049 (3)
- PHY 2049L PHY 2049L (1)

*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

**Department Admissions Requirements**

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with a grade point average of 3.00 or higher in all courses.

<table>
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<tr>
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<tbody>
<tr>
<td>MAC 2281</td>
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<td>EGN 3000</td>
<td>Fundamentals of Engineering</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>General Chemistry Lab</td>
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Summer Semester
MAC 2283    Engineering Calculus III  4
PHY 2049    General Physics II    3
PHY 2049L  General Physics II Lab  1
COP 2510    Programming Concepts    3
Total 11

Semester III
CDA 3100    Computer Organization  3
COT 3100    Intro Discrete Str    3
COP 3514    Program Design    3
Social Science Elective  3
MAP 4302    Differential Equations  3
Total 15

Semester IV
EEL 4851    Data Structures  3
CDA 3201    Computer Logic Design  3
CDA 3201L  Computer Logic Design Lab  1
EGN 3443    Engineering Statistics  3
EGN 3373    Electrical Sys. I    3
EGN 4450    Linear Systems    2
ALAMEA Elective  3
EGN XXXX    Eng. Electronic Materials  3
CS&E Hardware Elective  4
Total 16

Semester V
CDA 4205    Computer Architecture  3
EGN 4930    Eng. Econ. with Social & Global Implications  3
ALAMEA Elective  3
EGN XXXX    Eng. Electronic Materials  3
CS&E Hardware Elective  4
Total 15

Semester VI
COP 4600    Operating Systems  3
CS&E Theory Elective  3
CS&E Hardware Elective  3
Science Elective  3
Fine Arts Elective  4
Total 15

Semester VII
ENC 3211    Comm. For Engineers  3
Historical Perspectives Elect.  3
CS&E Elective  7
Total 13

Semester VIII
CIS 4910    Senior Project  2
CIS 4250    Ethical Issues  3
CS&E Elective  4
Total 14

Four-Year Curriculum in Information Systems

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

In addition to the College's graduation requirements, the department has the policy of not accepting any D grade in department courses.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted.

Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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<td>MAC X311</td>
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<td>MAC X312</td>
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<td>XXX XXXX**</td>
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**Two (2) science courses for science majors.

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Department Admissions Requirements
Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with a grade point average of 3.00 or higher in all courses.

Semester I
MAC 2281/2233 Calculus I  4
ENC 1101    Composition I    3
AGC 2021    Principles of Accounting I  3
Social Science Elective  3
Total 13

Semester II
MAC 2282/2234 Calculus II  4
ENC 1102    Composition II   3
PHY 2048/2053 Physics I  3
PHY 2048L/2053L Physics I Lab  1
COP 2510    Programming Concepts  3
Total 14

Summer Semester
PHY 2048/2054 Physics II  3
PHY 2049L/2054L Physics II Lab  1
ECO 2013    Macroeconomics  3
STA 2023    Intro to Statistics  3
Total 10

Semester III
CDA 3100    Computer Organization  3
COT 3100    Intro Discrete Str  3
COP 3514    Program Design  3
ECON 2023   Microeconomics  3
Historical Perspectives Elect.  3
Total 15

Semester IV
EEL 4851    Data Structures  3
MAN 3023    Principles of Management  3
ALAMEA Elective  3
Science Elective  3
Social Science Elective  3
Total 15

Semester V
COP 4600    Operating Systems  3
EGN XXXX    Engineering Econ. with Social and Global Implications  3
EGN 4450    Linear Systems  2
ENC 3211    Comm. For Engineers  3

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<td>MAN 3023</td>
<td>Principles of Management</td>
<td>3</td>
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<td>ALAMEA Elective</td>
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<td>Science Elective</td>
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USF
CS&E Software Elective 3
Total 14

Semester VI
CEN 4020 Software Engineering 3
Fine Arts Elective 3
CS&E Software Elective 3
CS&E Elective 6
Total 15

Semester VII
Historical Perspectives Elect 3
CS&E Theory Elective 3
CS&E Software Elective 3
Science Elective 3
Total 12

Semester VIII
CEN 4022 Software System Development 3
CIS 4250 Ethical Issues 3
CS&E Elective 6
Total 12

• ELECTRICAL ENGINEERING

Mission Statement
The mission of the Electrical Engineering Department at the University of South Florida is to provide internationally recognized educational programs; to conduct and disseminate internationally recognized research benefiting humanity; to provide service to society; and to emphasize the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which engineering is practiced.

Objectives
The Department objectives are to produce graduates
1. with the knowledge and skills necessary to practice Electrical Engineering successfully.
2. who can pursue advanced topics through graduate or professional studies.

Students pursuing the Bachelor of Science in Electrical Engineering program take designated coursework in network analysis, electronics, communications, electromagnetic theory, control systems, microelectronics and microprocessors. This coursework is supplemented by electives in many specialized areas of electrical engineering.

Students completing this program normally pursue industrial careers in electronic, communications, power and controls, digital systems, microelectronics and information systems. The electrical graduate may apply his/her knowledge to such diverse areas as wireless and satellite communications, remote guidance, MEMS, sensing technology, systems integration, automation, computer and information systems, electronic power generation and transmission, electrically propelled transportation, etc. The graduate may do this by performing needed engineering functions related to research and development (often requires an advanced degree), design, production, operation, sales, or management of these products/services.

The schedule which follows indicates how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace. A minimum departmental GPA of 2.0 is required for graduation. In addition, students must pass all required BSEE courses, except humanities and social sciences, with a grade of "C" or better.

Four-Year Curriculum in Electrical Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

Communications:

Enc 1101/1102 English I and II (6)

Humanities & Social Sciences:

Humanities Courses (5)
Social Science Courses (6)
Humanities or Social Sciences (3)

Mathematics:

USF C/C
MAC 2281 MAC 2311* (4)
MAC 2282 MAC 2312* (4)
MAC 2283 MAC 2313* (4)
MAP 2302 MAP 2302 (3)
*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:

USF C/C
CHM 2045 CHM 1045* (3)
CHM 2045L CHM 1045L* (1)
PHY 2048 PHY 2048 (3)
PHY 2048L PHY 2048L (1)
PHY 2049 PHY 2049 (3)
PHY 2049L PHY 2049L (1)
*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester 1
ENC 1101 Composition I 3
MAC 2281 Eng. Calculus I 4
Social Science Elective 3
Fine Arts Elective 3
EGN 2082 History of Electrotechnology 3
Total 16

Semester 2
ENC 1102 Composition II 3
MAC 2282 Eng. Calculus II 4
PHY 2048 Physics I 3
PHY 2048L Physics Lab I 1
CHM 2045 Chemistry I 3
CHM 2045L Chemistry Lab I 1
EGN 3000 Foundations of Engineering 1
Total 16

USF
### Semester 3

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<td>Physics II</td>
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<td>PHY 2049L</td>
<td>Physics Lab II</td>
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<td>EGN 3443</td>
<td>Eng. Prob. and Statistics</td>
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<td>EGN 3613</td>
<td>Eng. Econ.</td>
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<tr>
<td>EGN XXXX</td>
<td>Engineering Analysis</td>
<td>3</td>
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<tr>
<td>EGN 3373</td>
<td>Electrical Systems I</td>
<td>3</td>
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<tr>
<td>EEL 2161</td>
<td>EE Computing Methods</td>
<td>3</td>
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<td>Eng. Electronic Materials</td>
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<td>EEL XXXX</td>
<td>Elec. Systems Environments</td>
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<td>Comm. for Engineers</td>
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<td>Network Analysis</td>
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<td>EEL 4705</td>
<td>Logic Design</td>
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<td>EEL 4705L</td>
<td>Logic Lab</td>
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<td>EEL 3301L</td>
<td>Lab I (Circuits)</td>
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<td>EEL 4472</td>
<td>Electromagnetics</td>
<td>3</td>
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<td>EEL 4351</td>
<td>Semiconductor Devices</td>
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<td>EEL 3375</td>
<td>Indus. Mach. &amp; Power Appl.</td>
<td>3</td>
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<td>EEL 4474</td>
<td>Microprocessors</td>
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<td>EEL 4744L</td>
<td>Microprocessor Lab</td>
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<tr>
<td>EEL 3302</td>
<td>Electronics I</td>
<td>3</td>
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<td>EGN XXXX</td>
<td>Wireless Circuits &amp; Systems Lab</td>
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<td>Prof. Issues &amp; Eng. Design*</td>
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<td>EEL 3302L</td>
<td>EE Lab II (Electronics)</td>
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<td>EEL 4657</td>
<td>Linear Systems Controls</td>
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<td>EEL XXXX</td>
<td>Controls Lab</td>
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<td>EEL 4305</td>
<td>Electronics II</td>
<td>3</td>
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<td>EEL 4512</td>
<td>Communication Systems</td>
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*This course fulfills a Major Works/Major Issues Requirement.

### Semester 8

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### INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING

#### Mission Statement

The mission of the IMSE Department is to provide students with a high quality education which integrates the latest research and practices of the field into the curriculum; to pursue excellence in basic and applied research in the field of Industrial and Management Systems Engineering; and to provide service to the profession and to society.

#### Objectives

The Department’s objectives are to

1. provide students with a thorough understanding of the concepts and practices of industrial and systems engineering and the related mathematical and scientific principles.
2. provide students with an understanding of the ethical, human, and business aspects of engineering activities.
3. provide students with the ability to think creatively, to communicate effectively, and to work in teams.
4. prepare and motivate students to have successful careers, to pursue graduate studies and other life-long learning opportunities, and to actively participate in society.

Students pursuing the Bachelor of Science in Industrial Engineering degree program take designated, specialized coursework in industrial processes, work analysis, production control, facilities design, operations research, human factors, computer simulation, quality control, and robotics and automation. This coursework is supplemented by engineering electives and comprehensive industrial engineering design projects.

Students completing this program are prepared for graduate study or for careers in a broad range of industries, business, and public service areas. The strength of industrial engineering lies, in part, in its breadth and the applicability of its common body of knowledge in a wide variety of enterprises. Students may be involved in traditional areas of manufacturing and production, or state-of-the-art functions in automation and robotics. The same engineering principles are also applied to business organizations, service delivery systems, i.e. airlines, banks, hospitals, etc. and governmental administration.

The schedule which follows indicates how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.

In addition to the College’s graduation requirement, the department has the following policies:

1. Mandatory academic advising of students for each term.
2. Exit interviews as a graduation requirement, and;
3. All graduating seniors must take the Fundamentals of Engineering Examination.

#### Four-Year Curriculum in Industrial and Management Systems Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

**Communications:**

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*or MAC 2281, MAC 2282, MAC 2283
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<td>EGN 3373</td>
<td>Electrical Systems Engineering I</td>
<td>3</td>
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<td>EGN 4450</td>
<td>Linear Systems</td>
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### Summer Term

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<td>Engineering Graphics</td>
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<td>Engineering Econ. with Social and Global Implications</td>
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### Semester V

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<td>Manufacturing Processes</td>
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<tr>
<td>EIN 4333</td>
<td>Production Control</td>
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<tr>
<td>EIN 4601</td>
<td>Automation/Robotics</td>
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<td>ESI 4313</td>
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<td>Facilities Design Lab</td>
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<td>EIN 4933</td>
<td>Management Cost</td>
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<td>ESI 4244</td>
<td>Design of Experiments</td>
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<tr>
<td>ESI 4523</td>
<td>Simulation</td>
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<td>ESI 4523L</td>
<td>Simulation Lab</td>
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<td>Tech Elective</td>
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### MECHANICAL ENGINEERING

#### Mission Statement

The Mission of the Mechanical Engineering Department is:

- a. to provide a quality undergraduate and graduate education for students entering the mechanical engineering profession or seeking careers in related fields;
- b. to advance scientific knowledge through basic and applied research;
- c. to disseminate technical information through scholarly publication, conferences and continuing education;
- d. to advance the profession through service within the associated societies and;
- e. to promote activities which serve global development.

#### Objectives

The Objectives of the Undergraduate Program in Mechanical Engineering are:

- A. to teach students to understand and to apply concepts of basic science, mathematics, computation, and engineering science essential to professional practice;
- B. to train students in the design of experiments and testing of systems, in proper instrumentation methods, in the techniques of modern data acquisition and in methods of data interpretation;
- C. to develop skills essential to the design process, including problem formulation, synthesis, analysis, construction, testing and evaluation;
- D. to develop skills necessary for effective professional interaction including multi-disciplinary collaboration and successful oral and written communication;
- E. to encourage an understanding of technology within a global and societal context, the need for continued professional development, the importance of professional responsibility and the ethics of professional practice.

Students pursuing the Bachelor of Science in Mechanical Engineering program take coursework in thermodynamics and heat transfer, instrumentation and measurements, energy conversion systems, solid and fluid mechanics, dynamics, machine analysis and design, mechanical design, vibrations and controls. This is supplemented by elective coursework in such areas as power plant analysis, refrigeration and air conditioning, mechanical design, advanced mechanics, ro-
botics, propulsion, computer-aided design, manufacturing, composite materials, and aerodynamics.

Students completing this program normally enter careers in a wide range of industries which either produce mechanical products or rely on machines, mechanical devices and systems to produce electricity, petroleum products, foods, textiles, building materials, etc. Mechanical Engineering graduates may follow careers in such fields as transportation, power generation, manufacturing, instrumentation, automatic control, machine design, construction, refrigeration, heating and air conditioning, aerospace, defense and all the process industries (foods, textiles, petrochemicals, pharmaceuticals, etc.). There are abundant career opportunities in a wide range of industries because mechanical equipment is required in every aspect of modern industry.

### Four-Year Curriculum in Mechanical Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

#### Prerequisites (State Mandated Common Prerequisites)

For Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

**Communications:**
- ENC 1101/1102 English I and II (6)

**Humanities & Social Sciences:**
- Humanities Courses (6)
- Social Science Courses (6)
- Humanities or Social Sciences (3)

**Mathematics:**

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<tr>
<td>MAP 2302</td>
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<td>or MAC 2281, MAC 2282, MAC 2283</td>
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**Natural Sciences:**

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<tr>
<td>or CHS 1440 Chemistry for Engineers</td>
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Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

#### Engineering Admissions Requirements

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

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<tbody>
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**Summer Term**

| EGN 3443 | Eng Statistics & Prob. |
| EGN 3343 | Thermodynamics |
| EML 3500 | Mechanics of Solids |
| EGN 2031 | History of Technology |
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<td>EML 3041</td>
<td>Computational Methods</td>
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College Regulations

1. GENERAL EDUCATION REQUIREMENTS
While the Engineering undergraduate student is expected to complete certain requirements during the first two years of study which are directed toward the humanities and social sciences, and which are fulfilled by the completion of the General Education requirements of the University, the College of Engineering expects more of its prospective engineering graduates than this minimum. The engineer must not only be a technically competent individual, but must also be a person who can understand, adjust and contribute to the social environment.

Students who transfer from a State of Florida community college with an Associate of Arts degree and who have met that college’s General Education Requirement will find their General Education coursework satisfies the University General Education Requirements.

All Engineering students must complete the USF Exit Requirements. The Literature and Writing portion can be met by completing ENC 3211 Communication for Engineers.

2. ENGLISH REQUIREMENT
Students who have been admitted to the College of Engineering may be required to take an examination in order to evaluate their preparedness in the use and understanding of the English language. The faculty of the University’s English program will administer the examination.

Students evidencing an English deficiency will be required to initiate the necessary corrective programs, with the assistance of their advisors. It is recognized that such deficiencies can exist even though a student has met the University’s minimum English requirements. Correction of any deficiency must commence the term after a student has been notified, and must be completed prior to recommendation of the student for graduation by the faculty of the College.

See Continuation and Graduation Requirements below for minimum grade requirements.

3. MATHEMATICS REQUIREMENT
Students who are pursuing an engineering program are expected to acquire a facility for the rapid and accurate solution of problems requiring the use of mathematics. This requirement includes the ability to translate physical situations into mathematical models. Students evidencing a lack of manipulative ability or of the ability to apply mathematics will be required to take remedial coursework in engineering analysis and problem solving that is over and above their regular degree requirements. Faculty of the College who encounter students who are deficient in their mathematical ability will refer such cases to the Advising Office.

4. CONTINUATION AND GRADUATION REQUIREMENTS
To meet graduation requirements all undergraduate students must maintain above the minimum cumulative overall GPA of 2.00. In addition the College of Engineering also requires undergraduate students to maintain a minimum of 2.0 GPA in all engineering courses attempted, as well as 2.0 GPA in all courses attempted in their specialization. In no case will the minimum GPA for a category be less than 2.0. It is the student’s responsibility to make sure she/he meets all departmental requirements. In addition to the completion of the coursework and/or project requirements of the respective program of the College, students must be recommended for their degrees by the faculty of the College.

Students who do not maintain the required minimums of the program pursued in each category are ineligible for further registration in the College unless individually designed continuation programs are recommended by the student’s academic advisor and approved by the department chairperson and the Engineering Associate Dean for Academic Affairs. All students who are academically dismissed from the University will be denied readmission to the College of Engineering unless they meet admission requirements in effect at the time readmission is sought and are recommended for readmission by the department and the Associate Dean for Academic Affairs.

Students who register for a course three times without receiving a grade of "D" or better (i.e., receive grades of W or F) will be denied further enrollment in the College of Engineering unless written permission is obtained from the department chairperson and the College Associate Dean for Academic Affairs.

Students pursuing College of Engineering degree programs are expected to take their courses on a graded basis. Please refer to the grading system in the Academic Policies and Procedures section of this catalog. Exceptions require written approval of the department advisor prior to registration.

The College of Engineering requires that a student complete the baccalaureate degree within five years after beginning the Engineering specialization courses. Any exceptions require approval of the department and Dean’s Office.

Each engineering student is required to complete the Application for Graduation - Check List and submit it to the College of Engineering Advising Office by the drop date of the term prior to the semester in which graduation is sought. Completion of this form is a requirement for graduation.

Effective Fall of 2000 students pursuing Bachelor of Science in Chemical Engineering will be required to take the discipline oriented Fundamentals of Engineering exam. Effective Fall of 2001 students pursuing the Bachelor of Science in Industrial Engineering will be required to take the Fundamentals of Engineering exam. Engineering students in other disciplines are strongly encouraged to do the same. (See the College Advising Office for applications and information.)

5. TRANSFER CREDIT
The USF College of Engineering will accept transfer credit when appropriate if the transferred course has been passed with a grade of "C" or better. In some cases credit for a course may be granted, but the hours accepted may be less than the hours earned at another school.

While credit for work at other institutions may be granted subject to the conditions of the previous paragraph, a minimum of thirty semester hours of engineering coursework specified by the degree-granting department is required for a baccalaureate degree.

FIVE-YEAR PROGRAMS LEADING TO BACHELORS AND MASTERS DEGREES IN ENGINEERING

Students who, at the beginning of their senior year, are clearly interested in graduate study are invited to pursue a Five-Year Program of study leading simultaneously to the Bachelor of Science in Engineering or Engineering Science and Master of Science in Engineering or Engineering Science degrees. The general basis of the five-year program includes

1. A two-year research program extending through the fourth and fifth year.
2. A one-year opportunity of taking some graduate courses during the fourth year and deferring the taking of some senior courses to the fifth year. The requirements of the combined degrees do not differ from those for the two degrees pursued separately.

Students apply for admission to this program through their academic advisor who should be consulted when additional information is needed. Departmental expectations and general admission requirements include

1. Senior standing (90 credits) with at least 16 upper level engineering credits completed at the University of South Florida with a 3.0 GPA.
2. A minimum score of 1000 on the verbal and quantitative portions of the Graduate Records Examination.
3. Above-average performance in the chosen Engineering program.

Certificate Programs

CERTIFICATE IN BIOMEDICAL ENGINEERING
Biomedical Engineering is a highly interdisciplinary field where basic engineering principles are applied to problems in the biomedical sciences. Typical specific areas of interest include: understanding basic biochemical and physiological processes, designing and analyzing medical diagnostics and procedures, evaluation and design of health care systems and facilities, design and valuation of prosthetic devices, an general biomedical product development. The College of Engineering offers an undergraduate Enhancement Certificate in Biomedical Engineering. There are two main purposes for the certificate program to accommodate students interested in entering medical school following graduation (this program satisfies most of the typical minimal admission standards for medical school); and 2) to prepare students for graduate education program, drawing from all engineering disciplines, biology, physical sciences, biomedical and clinical sciences. Undergraduate students anticipating graduate studies in the biomedical engineering area (or related fields such as medicine) are encouraged to pursue research experience as part of their program. Research possibilities exist in Engineering, the Health Sciences Center, Public Health, and Arts and Sciences.

The Certificate in Biomedical Engineering provides students an opportunity to be introduced to a rapidly developing field of study and to receive recognition for their endeavors. In the program students fulfill all the requirements for an Engineering undergraduate degree, such as Bachelor of Science in Chemical Engineering and also meet the additional requirements of the Certificate program.

Chemistry/Biology (10 hours min.)
BCH 2010 Biology I - Cellular Processes*
BCH 3023 Biochemistry**

One of the following Organic Chemistry sequences:
CHM 2210 Organic Chemistry I*
CHM 2211 Organic Chemistry II*
CHM 2200 Organic Chemistry

Other "human sciences" (6 hrs. min.)
PSY 3044 Experimental Psychology**

One of the following:
PET 3310 Kinesiology
PET 3351 Exercise Physiology I
EXP 4104 Sensory Processes
PSB 4013C Neuropsychology
(or approved substitute)

Engineering (9 hrs. min.***)
ECH 5746 Intro to Biomedical Engineering

One or more of the following (to achieve 9 hrs. min. in area):
EIN 4313L Human Factors
EIN 5245 Work Physiology & Biomechanics
ECH 5747 Selected Topics in Chemical Engineering
ECH 5748 Selected Topics in Biomedical Engineering
ECH 5747 Pharmaceutical Engineering
ECH 5910 Directed Research in Bioengineering

(or other approved Engineering courses)

**These courses are not normally required for Medical School admission. Note that there may be other required courses, such as a course in Human Genetics and the Organic Chemistry laboratories.

***It is important to note that these engineering courses are above and beyond the courses necessary to satisfy the 128 or 134 hour requirement. That is, these courses will not also qualify as engineering electives towards the B. S. requirements for any of the departmental degree programs.

CERTIFICATE OF TOTAL QUALITY MANAGEMENT
An undergraduate student, or graduate engineering, may enhance their professional achievement by receiving a Certificate in Total Quality Management. The student must satisfactorily complete five courses (15 credit-hours) of the eight courses in Total Quality Management. Enrollment is through the Department of Industrial and Management Systems Engineering.

CERTIFICATE OF ENHANCEMENT
The Certificate of Enhancement in a (designated engineering discipline) provides students an opportunity to gain an enhanced experience in their chosen field while pursuing an engineering degree and to permit them to receive recognition for the same requirements. At the present time, there are three certificates: Transportation Engineering and Wireless Engineering.

Requirements:
1. Enrolled in a Bachelor of Science degree program in a specified engineering discipline.
2. A minimum of 15 hours of additional elective courses, not included as a part of the B. S. degree, from an approved list. Courses must be taken on a letter-grade basis, and a minimum of 9 hours must be in engineering courses.
3. A G.P.A. of 2.0 or greater for the additional hours.
4. The student must receive the engineering degree to receive the Certificate of Enhancement.

Please contact the appropriate department chairperson to be accepted in the program.

Computer Service (SC) Courses
These courses are specifically designed for the non-engineering student.

Recognizing that the general purpose digital computer has made significant contributions to the advancement of all elements of the academic community and that it will have an ever greater impact in the future, the College of Engineering offers several levels of credit coursework, both undergraduate and graduate, to serve students of all colleges in order that they may be prepared to meet the computer challenge.

Computer-oriented courses are offered in two broad categories: (1) those courses which are concerned with the operation, organization and programming of computers and computer systems from the viewpoint of examining the fundamental principles involved in computer usage; and (2) those courses which are concerned with computer applications to a variety of different disciplines, by means of user-oriented-languages such as FORTRAN, COBOL, BASIC, "C," JAVA, VISUAL BASIC and ADA.

Students in engineering, the physical sciences, and mathematics must consult their advisor for suitable computer courses, since these courses are not acceptable to a number of degree programs.

College Facilities
Each of the departments has several modern well-equipped laboratories that are used for undergraduate teaching. Some examples of specialized equipment available are a scanning electron microscope, a gas chromatograph mass spectrometer, a 250,000 lb. material testing machine, several microprocessor-based control systems, industrial robots, a low turbulence subsonic wind tunnel, computer numerical controlled machinery, metal organic chemical vapor deposition systems, and integrated circuits design workstations.
College Computing Facilities

The College provides access to centralized computing facilities to undergraduate and graduate students. Most engineering departments also provide students with local facilities. The University is an Internet2 site and links are available to directly connect to all major supercomputing centers in the country.

The College provides enterprise level servers for computing, mail, file, web and database services for students and faculty. The College operates teaching and open-access labs for student use. These labs are equipped with large number of modern (DeBI) PCs using Windows 2000 operating system and Unix workstations (Sun Ultra 5). All lab computers have all of the necessary software required for coursework as well as other standard productivity software. The College also supports a state-of-the-art multimedia lab with document scanners and CD-ROM burner.

Standard programming languages such as FORTRAN, Basic, Pascal, C, C++ and Java are provided on these machines. General-purpose software such as Office 2000, MS visual studio and specialized engineering software including mathematical packages (MathCad, Matlab, Maple, Mactysma, TK Solver), statistical package (SAS), discipline specific application packages such as Abaqus, Ansys, ARENA, Aspen, Cadence and more are provided on Unix and Windows 2000 platforms on the network and in the labs. Several database management system software packages such as Oracle 8i, MySQL, MSQL 8 and MS Access are available for coursework. Multi-media software packages such as MS FrontPage, Adobe Acrobat, Illustrator, Photoshop, Omnic Page Pro, PaintShop Pro, Macromedia Dreamweaver and Flash are available in the multi-media lab. The university has also entered an agreement with Microsoft Corporation for upgrade of standard office application, development tools and desktop operating systems.

The college-wide Ethernet network is connected to the USF campus-wide Gigabit Ethernet backbone. Within the College connections are provided to laboratories via 100 Mbps Ethernet. The university’s Internet2 connection links it to more than 150 major universities and research institutions in the nation. Dial-in access is available to students from a large USF modem bank as well as through broadband connection. The distance learning (FEEDS) studios provide computer demonstrations for remote courses through the network. Additionally, most departments operate discipline specific computing lab(s).

Cooperative Education Program

A wide variety of industries and government agencies have established cooperative programs for engineering students to provide them the opportunity to become familiar with the practical aspects of industrial operations and engineering careers. Students in the Career Resource Center’s Cooperative Education (Co-op) program alternate periods of paid employment in their major field with periods of study. Students following the Co-op program usually encounter no problems in scheduling their program, since required Social Science and Humanities, Mathematics and Science, and Engineering Common courses are offered every semester. Students normally apply for participation in this program during their sophomore year and pursue actual Co-op employment during their sophomore and junior years. The senior year is generally pursued on a full-time study basis, since many specialization courses are not offered every semester. The students receive a Cooperative Education Certificate upon successful completion of a minimum of two work assignments.

Army & Air Force R.O.T.C.

For Engineering Students

The Engineering curriculum, coupled with involvement in the Army or Air Force R.O.T.C. program, requires a minimum of five (5) years to complete the degree requirements. Army and Air Force R.O.T.C. cadets must take 16 additional hours in either military science or aerospace studies. Additionally, Air Force-sponsored summer training camp is scheduled between the sophomore and junior year for Air Force cadets, and Army cadets attend an Army-sponsored summer training program between the junior and senior years.

ENGINEERING FACULTY

CHEMICAL ENGINEERING

Interim Chair: S.C. Kranc; Professors: J.C. Busot, L.H. Garcia-Rubio, R. Gilbert, J.A. Llewellyn, C. A. Smith, A. K. Sunol; Associate Professors: V.R. Bhethanabotla, S.W. Campbell, W.F. Lee, II; Assistant Professor: J.T. Wolan; Instructor: C.J. Biver; Visiting Assistant Professor: M. VanAuker; Courtesy Faculty: R. Malone, N. Poor, M. Woodle.

CIVIL AND ENVIRONMENTAL ENGINEERING


COMPUTER SCIENCE AND ENGINEERING


ELECTRICAL ENGINEERING


INDUSTRIAL AND MANUFACTURING SYSTEMS


MECHANICAL ENGINEERING


ENGINEERING COURSES

BASIC AND INTERDISCIPLINARY ENGINEERING

EGN 2031 History of Technology  (3)
EGN 2083 Light and the Arts: A Quantitative Approach  (3)
EGN 2082 History of Electrotechnology  (3)
EGN 2210 Computer Tools for Engineers  (3)
EGN 3000 Foundations of Engineering  (1)
EGN 3311 Statics  (3)
EGN 3321 Dynamics  (3)
EGN 3331 Mechanics of Materials  (3)
EGN 3331L Mechanics of Materials Laboratory  (3)

EGN 2083 Light and the Arts: A Quantitative Approach  (3)
EGN 2082 History of Electrotechnology  (3)
EGN 2210 Computer Tools for Engineers  (3)
EGN 3000 Foundations of Engineering  (1)
EGN 3311 Statics  (3)
EGN 3321 Dynamics  (3)
EGN 3331 Mechanics of Materials  (3)
EGN 3331L Mechanics of Materials Laboratory  (1)
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<td>Basic Fluid Mechanics</td>
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<td>EGN 3358</td>
<td>Thermodynamics, Fluids, and Heat Transfer</td>
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<td>Materials Engineering I</td>
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<td>Engineering Applications of Complex Analysis</td>
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**CONSTRUCTION SCIENCE AND ENGINEERING**

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<tr>
<td>CEN 4022</td>
<td>Software Systems Development</td>
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<td>CEN 4721</td>
<td>User Interface Design</td>
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<td>CGS 2060</td>
<td>SI Introduction to Computers and Programming in Basic</td>
<td>(3)</td>
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<tr>
<td>CGS 2065</td>
<td>Computers and Society</td>
<td>(3)</td>
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<td>CGS 2070</td>
<td>Software Engineering</td>
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<td>CGS 2080</td>
<td>System Analysis</td>
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<td>CGS 2085</td>
<td>Computer Systems</td>
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<td>CGS 3463</td>
<td>SC GPS System Simulation</td>
<td>(3)</td>
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<td>CGS 3464</td>
<td>SC Simscript Simulation</td>
<td>(3)</td>
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<td>CGS 5765</td>
<td>Introduction to Unix and C</td>
<td>(3)</td>
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<tr>
<td>CIS 4250</td>
<td>Ethical Issues and Professional Conduct in Engineering MW</td>
<td>(3)</td>
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<tr>
<td>CIS 4900</td>
<td>Independent Study in Computer Science</td>
<td>(1-5)</td>
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<td>CIS 4910</td>
<td>Computer Science Project</td>
<td>(1-5)</td>
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<td>CIS 4930</td>
<td>Special Topics in Computer Science I</td>
<td>(1-4)</td>
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<td>COP 2000L</td>
<td>Computer Science Laboratory</td>
<td>(1)</td>
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<tr>
<td>COP 2002</td>
<td>Introduction to Computer Science</td>
<td>(3)</td>
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<td>COP 2120</td>
<td>SC Cobol Programming</td>
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<td>COP 2121</td>
<td>SC Cobol Programming II</td>
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<td>SC Fortran Programming</td>
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<td>Computer Systems</td>
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<td>COP 4023</td>
<td>Comparison of Programming Languages</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
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<td>COT 3100</td>
<td>Introduction to Discrete Structures</td>
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<td>COT 4210</td>
<td>Automata Theory and Formal Languages</td>
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<td>COT 4400</td>
<td>Analysis of Algorithms</td>
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<td>EEL 4748</td>
<td>Microprocessor-Based System Design and Applications</td>
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<td>EEL 4756</td>
<td>Signal and Image Processing</td>
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<td>EEL 4781</td>
<td>Distributed Processing and Computer Networks</td>
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<td>EEL 4851</td>
<td>Data Structures</td>
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<td>EEL 4852</td>
<td>Data Base Systems</td>
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<td>EEL 5771</td>
<td>Introduction to Computer Graphics</td>
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<td>ETE 4931</td>
<td>Special Topics in Technology I</td>
<td>(1-5)</td>
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<tr>
<td>ETE 4932</td>
<td>Special Topics in Technology II</td>
<td>(1-5)</td>
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<tr>
<td>ETE 4936</td>
<td>Principles of Industrial Operations II</td>
<td>(3)</td>
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ELECTRICAL ENGINEERING

EEL 2161 Electrical Engineering Computer Methods (3)
EEL 3100 Network Analysis and Design (3)
EEL 3302 Electronics I (3)
EEL 3410 Fields and Waves I (3)
EEL 4030 Electrical Systems Environments (3)
EEL 4102 Linear Systems Analysis (3)
EEL 4305 Electronics II (3)
EEL 4351C Semiconductor Devices (3)
EEL 4420 RF & Microwave Measurements (2)
EEL 4430 RF/Microwave Circuits I (3)
EEL 4431 RF/Microwave Circuits II (3)
EEL 4472 Electromagnetics (3)
EEL 4512C Communication Systems (3)
EEL 4567 Electro-Optics (3)
EEL 4657 Linear Control Systems (3)
EEL 4705 Logic Design (3)
EEL 4705L Logic Laboratory (1)
EEL 4743L Microprocessor Laboratory (1)
EEL 4744 Microprocessor Principles and Applications (3)
EEL 4905 Independent Study (1-5)
EEL 4906 Professional Issues and Engineering Design MV (2)
EEL 4935 Special Electrical Engineering Topics I (1-4)
EEL 4936 Special Electrical Engineering Topics II (1-4)
EEL 4937 Special Electrical Engineering Topics III (1-4)
EEL 5250 Power System Analysis (3)
EEL 5316 Wireless Circuits and System Design Laboratory (2)
EEL 5344C Digital CMOS/VLSI Design (3)
EEL 5356 Integrated Circuit Technology (3)
EEL 5357 Analog CMOS/VLSI Design (3)
EEL 5382 Physical Basis Of Microelectronics (3)
EEL 5437 Microwave Engineering (3)
EEL 5462 Antenna Theory (3)
EEL 5572C Local and Metropolitan Area Networks (3)
EEL 5631 Digital Control Systems (3)
EEL 5754C Microprocessor Based Digital Signal Processing (3)
EEL 5935 Special Electrical Engineering Topics I (1-3)
EEL 5936 Special Electrical Engineering Topics II (1-3)
EEL 5937 Special Electrical Engineering Topics III (1-3)
ELR 3301L EE Circuits Laboratory (1)
ELR 3302L EE Electronics Laboratory (1)
ELR 4316L Wireless Circuits & Systems Design Laboratory (2)

INDUSTRIAL AND MANAGEMENT SYSTEMS

EIN 4312C Work Analysis (3)
EIN 4313C Human Factors (3)
EIN 4333 Production Control (3)
EIN 4364C Facilities Design I (3)
EIN 4365 Facilities Design II MV (3)
EIN 4411 Manufacturing Processes (3)
EIN 4601L Automation and Robotics (3)
EIN 4933 Special Topics in Industrial Engineering (1-6)
EIN 5245 Work Physiology and Biomechanics (3)
EIN 5322 Principles of Engineering Management (3)
EIN 5357 Engineering Value Analysis (3)
EIN 5914 Special Industrial Projects I (1-3)
ESI 4221 Industrial Statistics and Quality Control (3)
ESI 4244 Design Of Experiments (3)
ESI 4312 Deterministic O. R. (3)
ESI 4523 Industrial Systems Simulation (3)
ESI 4905 Independent Study (1-5)
ESI 4911 Senior Project (2)
ESI 5219 Statistical Methods For Engineering Managers (3)
ESI 5236 Reliability Engineering (3)
ESI 5306 Operations Research For Engineering Management (3)
ESI 5470 Manufacturing Systems Analysis (3)
ESI 5622 Computer Simulation (3)

MECHANICAL ENGINEERING

EAS 4121 Hydro and Aerodynamics (3)
EML 3041 Computational Methods (4)
EML 3262 Kinematics and Dynamics of Machinery (3)
EML 3303 Mechanical Engineering Lab I (3)
EML 3500 Mechanics of Solids (3)
EML 3701 Fluid Systems (3)
EML 4031 Visual Basic for Engineers and Scientists (3)
EML 4106C Thermal Systems and Economics (3)
EML 4142C Heat Transfer I (3)
EML 4220C Vibrations (3)
EML 4302 Mechanical Engineering Laboratory II (3)
The College of Fine Arts exists in the context of a dynamic, contemporary, urban, research university setting, characterized by its cultural diversity. The College provides opportunities for students to develop their interests and talents to the fullest whether they wish to pursue a creative or performing career, a teaching career, or life-long artistic enrichment.

**Mission**

The College's mission is to provide a broad and thorough education dedicated to:

1. preparing students in and for the arts in contemporary society. Through a full range of educational experiences, students are prepared to create, perform, present, teach and understand through the arts;
2. creating new works of art and conducting research in the arts, particularly from a contemporary perspective. Through research and practice, faculty and students critically investigate and sustain the ideas, traditions, and practices in which the present is grounded;
3. serving the public. Through arts events, engagement activities, and consultations, the Tampa Bay area is afforded unusual opportunities to experience and grow because of the College's unique ability to explore the contemporary arts.

The College of Fine Arts is a unique entity housing the School of Music and the departments of Art, Dance, and Theatre. The Contemporary Art Museum and the Center for Research in Art/Graphstudio serve multiple academic purposes within the College of Fine Arts as well as enrich the cultural environment within the university community. More information about each program is available on the College website at http://www.arts.usf.edu/.

**College Activities and Events**

The College of Fine Arts arranges a full schedule of concerts, plays, lectures, films, and workshops featuring students, faculty, and visiting artists. Events are open to the general public and are presented both during the day and in the evening. Special ticket privileges are available to USF students. For more information, contact the Fine Arts Events Office.

**Visiting Artist Program and Artist-in-Residence**

The College of Fine Arts is committed to creating and cultivating an artistic environment to enhance the total learning experience of its students and the community at large. Each year performing groups are invited to the campus for a period of residency. The visiting artists provide opportunities for students and the community to participate in their teaching, creative, and performing abilities.

**Contemporary Art Museum**

The Contemporary Art Museum presents exhibitions that focus on contemporary art and also showcase the work of faculty, students and alumni. The exhibitions and art collection serve as an integral part of the studio and art history curriculum of the Art Department. Educational programs are offered to the University and Tampa Bay community. The Contemporary Art Museum houses the USF art collection which is composed of original graphics, drawings, photographs, and African and Pre-Columbian artifacts.

**Graphstudio/ The Institute for Research in Art**

Graphstudio was founded in 1968 as an experimental, research-oriented collaborative workshop in the College of Fine Arts. Over sixty leading international artists have created more than 400 limited-edition fine art works at Graphstudio, in intaglio, photogravure, lithography, relief, serigraphy, sculpture, and artist books. Graphstudios’ works are archived at the National Gallery of Art in Washington, D.C., the only university-based workshop so honored. Graphstudio offers unique opportunities for graduate students to work and learn in a professional environment. Offerings include classes, conferences, internships and graduate assistantships in printmaking, sculpture fabrication, curation, education and arts administration.

**African Art Program**

In conjunction with the Endowed Chair and program in African Art History, the College promotes understanding of African Art and provides research opportunities for persons interested in African Art. A curriculum with an interdisciplinary emphasis on traditional African Arts, new world diaspora, or transAfrican forms is being coordinated with specialists and collectors in the field.

**The British International Theatre Program**

The BRIT program provides residencies for major British theatre artists to work from two to eight weeks each year in master classes and on department productions. This private/public endowed partnership creates a rich learning and performing environment for theatre students.

**The John W. Holloway Endowed Chair in Theatre and Dance**

The Holloway endowment provides residencies for major dance and theatre artists to work from two weeks to one semester in master classes and on productions in dance and theatre. This serves as an incubator for original contemporary and traditional dance compositions that are enhanced by visiting artists working in collaboration with faculty and students.

**SYCOM (Systems Complex for the Studio and Performing Arts)**

SYCOM offers facilities for all different fields of professional audio, from analog synthesis to MIDI to digital recording. Through a wide range of courses, students learn techniques of the professional recording studio and the skills to record and produce live music, as well as modern digital audio editing and mastering.

**Festival of Winds**

The Festival of Winds has a 26-year tradition of bringing hundreds of talented high school musicians to the University each Fall for a weekend of intensive interaction with artist faculty and clinicians. USF features its own wind ensemble, symphony band, marching band, and jazz ensembles in concerts prior to the grand concert program featuring all attending high school participants in various festival ensembles.

**BACCALAUREATE-LEVEL DEGREE PROGRAMS**

The College of Fine Arts offers four undergraduate degrees: Bachelor of Arts (B.A.) in Art, Dance, and Theatre, Bachelor of Music (B.M.) in Music, Bachelor of Fine Arts (B.F.A) in Studio Art, Theatre Design Concentration or Dance Performance, Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) in Music Education, and Bachelor of Science (B.S.) in Dance Education.

**Undergraduate Admission to the College of Fine Arts**

Admission to the College of Fine Arts is contingent on acceptance into the university through the USF Office of Admissions. Additionally, students who wish to major in minor in art, dance, music, or theatre should contact the respective department (or School). Admission is open in the Art and Theatre Departments. Auditions are required for admission to the
Dance Department and the School of Music and must occur on specific dates as posted by those departments. All prospective students in the College of Fine Arts must complete the necessary forms in the Office of Student Services and Advising in FAH 120 in order to be on file as majors or minors.

Although the Art and Theatre Departments are open admission programs, transfer students and current USF students who request admission to these programs must be placed according to their abilities. Hence, art students should have their portfolios evaluated for credit they are attempting to transfer into their degree. Theatre students wishing to concentrate in performance or design must audition or have a portfolio reviews for acceptance into the upper-division concentration courses. Dance and music students must complete successful auditions prior to Orientation and registration for their home department core courses.

Students with previously earned college credit, and who request admission to the College of Fine Arts, are required to provide copies of their transcripts to their advisors for the purpose of deciding which credits can apply to their degree program at USF. Copies of catalog pages with course descriptions from previous institutions are needed for each being transferred for degree requirements. A minimum grade of “C” is usually necessary for courses in the concentration.

Fine Arts Advising

The College of Fine Arts Office of Student Services and Advising, located in the Fine Arts building, offers a comprehensive service to all fine arts students and advice to non-majors who are interested in taking fine arts courses. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. Four major-field advisors (art, dance, music, theatre), Advising Coordinator, Fine Arts Project Thrust Advisor, and support staff work with students toward their matriculation according to curricular outlines. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.

The goals of the office of Student Services and Advising are to

- Help students clarify their life and career goals
- Help students develop their educational plans
- Help students select appropriate courses
- Help students interpret institutional requirements
- Evaluate student progress toward established goals
- Facilitate total student development
- Foster the development of individual student’s talent to the fullest

Advising Office

Tampa Campus: College of Fine Arts (FAH), Room 120, (813) 974-3660. The College is located centrally, just west of the Contemporary Art Museum and Marshall Center.

Office Hours

Usual office hours are 8 a.m. - 5 p.m., Monday - Friday.

General Requirements for B.A. Degrees

Within the College of Fine Arts

1. All degree programs require 120 credit hours, with the exception of the Music Education degree (134).

2. General Education Requirements may be satisfied by (1) completing the university's General Education Requirements, (2) completing the A.A. degree from a Florida Junior or Community College, or (3) completing the general education requirements from another Florida state university. General education courses transferred from other accredited institutions will be evaluated based on USF General Education equivalencies. The A.A. degree is in no way a requirement for acceptance into the College of Fine Arts (or into any one of its upper-level degree programs), or a requirement for graduation from the university.

3. Students admitted to the College of Fine Arts with transfer credits, or former students returning with credits dating ten or more years prior to admission (or readmission), will have those credits reviewed by the College and department/school and may be required to take specified competency tests in their major area.

4. All majors in the College of Fine Arts must take six fine arts credit hours in a field other than the major discipline. This requirement of special fine arts credits must be evaluated by an advisor. Special Fine Arts courses may be taken as S/U grading.

5. A maximum number of ROTC credits totaling no more than the maximum allowed in the Free Elective Area for each major may be counted toward all degrees.

6. A maximum of four credit hours of elective Physical Education credits taken at USF may be counted as general elective credit toward all degrees.

7. Students must satisfactorily complete the College Level Academic Skills Test CLAST1 and the writing and computation course requirement of 6A-10.30 (Gordon Rule). Students applying for a B.A. degree must demonstrate competency in a foreign language as described under Foreign Language Competency Policy of this catalog.

For degree programs, see requirements listed under each department.

A minimum of 20 credit hours in the major department must be earned in residence. This requirement, however, may be waived by the department/school based on examination (e.g., portfolio review, audition). A student must also earn 30 of the last 60 hours of credits in residence at the University of South Florida. However, any course work to be taken and any credits to be earned outside of the university must have prior approval from the appropriate department/school and the college in order to apply these credits toward graduation.

Waiver of prerequisite course work totaling no more than 12 credit hours in the major or Fine Arts College requirements is possible by demonstration of competence. Unless credit is awarded by approved official tests, i.e., A.P., CLEP, the credit hours must be made up according to departmental/school or college recommendations. A faculty committee conducts waiver reviews. Specific questions concerning program requirements for all degrees in the College or other related problems should be directed to the College of Fine Arts Coordinator of Advising.

COLLEGE POLICY FOR ACADEMIC PROGRESS

The following criteria will serve as the bases for disenrollment from a major in the College of Fine Arts:

1. Grade point average below 2.0 in the major.

2. Recommendation by major applied (studio) art, dance, music or theatre faculty with approval of respective department/school chairperson/director.

3. The department may recommend probationary status (rather than disenrollment) for one semester when academic progress is not maintained.

Contracts and Permission Procedures

DIRECTED STUDIES CONTRACTS

All Directed Studies and other variable credit courses in the College of Fine Arts require contracts between students and instructors describing the work to be undertaken by the student and specifying the credit hours. These contracts are to be completed in quadruplicate and appropriately signed. It is the student’s responsibility to obtain the necessary signatures and make the required distribution of all copies. Important: the student must have his/her signed copy of a contract at the time of registration.

S/U GRADE CONTRACTS

The College of Fine Arts requires that any S/U grading agreement entered into between student and instructor be formalized by a contract in quadruplicate signed by the student and the instructor and distributed according to instructions.
I"GRADE CONTRACTS
Incompletes must be contracted for by mutual agreement between student and instructor, with the contract describing specifically the amount and nature of the work to be completed for the removal of the incomplete grade. This contract additionally clearly specifies the date that the work will be due (within legal limits) for grading. Both the student and the instructor must sign this contract and the four copies must be distributed according to instructions. A student must not register for a course again to remove an "I" grade.

PERMISSION PROCEDURES
Admission into some courses is possible only by consent of instructor (CI), consent of chairperson (CC), consent of advisor, or by audition or portfolio review. When such special permission is required, it will be the student's responsibility to obtain any required permission prior to registration.

S/U Grading in the College
1. Non-majors enrolled in courses in the College of Fine Arts may undertake such courses on an S/U basis with instructor approval. See Contracts and Permission Procedures for information concerning S/U Grade Contracts.
2. Credits earned by a non-major student with an "S" grade will not count toward the student's minimum major course graduation requirement should the student ultimately decide to become a major student in one of the four departments in the College. Instead, such credits earned with an "S" grade will be assigned to the student's Free Elective category (with the exception of music, which will become non-countable).
3. Although Fine Arts majors may take coursework in their major as Free Electives, they are not entitled to the S/U grading option for these courses taken in their major subject area, even when specifically used or intended to be used as Free Electives.
4. In the College of Fine Arts, the only S/U graded courses available to a major student in his major subject area are those curriculum allowable courses designated S/U (that is, S/U only).
5. A maximum of 9 credit hours of S/U credits in non-major courses may apply towards a degree in the College of Fine Arts.

Please refer to Academic Policies section for more information concerning the university's S/U Grading policy.

Dean's List Honors
See Academic Policies and Procedures, Programs and Services.

Interdisciplinary Study
There is no formal interdisciplinary arts degree offered in the College of Fine Arts. However, it is possible for a student to pursue such a program of study in the College by utilizing free electives allowed in the major program. A student may also choose a double undergraduate major in two departments within the College of Fine Arts as a means of interdisciplinary study. See the major advisor in the programs of particular interest.

Minors Program
The College of Fine Arts offers minor programs in Art, Dance, Music, and Theatre. Majors in the College of Fine Arts may pursue a minor in any certified minor program at USF except within the same department/school as the major. The requirements for these programs are located under the departmental/school academic program descriptions and also require that a minimum of eight hours be taken at USF. For university minor policy, consult that section in the catalog.

DEPARTMENTS AND PROGRAMS

- ART (ART)
The Art Department offers the Bachelor of Fine Arts degree in Studio Art and the Bachelor of Arts degree with concentrations in either Studio Art or Art History. The two studio curricula (BA - studio concentration and BFA) are designed to develop the student's consciousness of aesthetic and ideological aspects of art and its relationship to life and to assist students in the realization of personal ideas and imagery. Many students interested in college teaching, museum or gallery work, fine or commercial studio work pursue the extended discipline and experience offered at the graduate level.

Although the Studio Art programs allow many possible courses of study, most art majors will select one area of emphasis chosen from the course offerings listed.

The major areas of emphasis, available to undergraduate art studio students are Drawing, Painting, Sculpture, Ceramics, Electronic Media (Computer Imaging, Video), Printmaking and Photography. Art majors must receive a grade of "C" or better in all art courses.

Transfer studio credit will be accepted on the basis of portfolio and transcript evaluation. The Art Department will accept all Florida state programs that are part of the "Common Prerequisites."

The Art History program (BA - Art History concentration) reflects the faculty's belief that strong liberal arts study, supplemented with art studio classes, internships and travel, is the most appropriate preparation for students who desire further study at the graduate level or professional work in the fields of art history research, teaching or galleries and museums. Students who pursue the BA in Art History will acquire a broad, thorough knowledge of art from prehistory to the present.

For additional requirements see Graduation Requirements, College of Fine Arts.

Prerequisites (State Mandated Common Prerequisites)
The College of Fine Arts recommends that students complete an A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

ART 1201/1202 Design I and Design II or ART 2201
ART 1300/1301 Drawing I and Drawing II or ARH 3001
ART 2050/2051 Art History Survey I and Art History Survey II
ART 2XXX Any 2-3 introductory media course, 6-9 semester hours or 12 hours of ART 2XXX

Note: It is recommended that transfer students complete both Design I and Design II prior to transfer. If a student does not complete Design I and Design II prior to transfer they should wait and enroll in ART 2201 (Fabrications I) and ART 2203 (Fabrications II) at USF.
Requirements for the B.A. Degree in Art Studio

The following courses apply to the B.A. degree in Art Studio:

I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)
   
   ARH 2050 History of Visual Arts I (3)
   ARH 2051 History of Visual Arts II (3)
   ART 2201C Fabrications I (3)
   ART 2203C Fabrications II (3)
   ART 2300C Beginning Drawing (3)
   ART 3301C Intermediate Drawing (3)

   Total 18 hours

II. Beginning Studio Workshops

A minimum of 12 hours from the following Beginning Studio Workshops is required. These courses may not be repeated.

   These courses are pre-requisites to the intermediate level Studio Courses.
   
   ART 2400C Beginning Printmaking (3)
   ART 2510C Beginning Painting (3)
   ART 2710C Beginning Sculpture (3)
   ART 2110C Beginning Ceramics (3)
   ART 2222 Beginning Electronic Media (3)
   PGY 2401C Beginning Photography (3)

   Total 12 hours

III. Intermediate Studio Workshops

A minimum of 9 hours from the following:

   3000 Level Studio Specialization (3)
   3000 Level Non-Specialization (3)
   3000 Level Elective (3)

   or the student may take 6 hours of 3000 level coursework and choose the following 4000 level option if they have the requisite 3.25 GPA in major.

   4000 Level Specialization (3)

IV. Expanded Context Courses

A minimum of 6 hours of your Intermediate or Advanced Studio work must be from selected expanded context courses. Expanded context courses include Theme Studio, cross-media classes and/or special topics classes.

V. Art History

A minimum of 12 hours in the following history courses:

   ARH 4100 Prehistoric & Ancient (4)
   ARH 4170 Greek & Roman (4)
   ARH 4200 Medieval (4)
   ARH 4301 Renaissance (4)
   ARH 4350 Baroque and Rococo (4)
   ARH 4430 19th Century (4)
   ARH 4450 20th Century** (4)
   ARH 4520 African (4)
   ARH 4530 Oriental (4)
   ARH 4796 Critical Studies (4)

   Total 12 hours

**Hours may be taken in either critical studies seminar ARH 4796 or Directed Reading ART 4000.
**ART 4450 is required of all majors and should be taken simultaneously with the Advanced Studio Workshops and Theme Studios.

VI. Additional Requirements

   ART 4955 Senior Projects* (2)
   Extended Studies** (2)

   Total 4 hours

*Required of all majors
**Required of all majors (Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London/Middlesex Program)

VII. Recommendations

Students are encouraged to take additional credits in the Studio Workshops and Theme Studio Courses to fulfill art electives. Honors studio courses are offered every semester and can be used to complete studio electives.

   Total Art 55 hours

Total Semester Hours for the B.A. degree in Art Studio:

Please note under General Education that the historical perspectives must be satisfied with History of Visual Arts I, ARH 2050 and History of Visual Arts II, ARH 2051, and that Fine Arts must be satisfied with Fabrications I, ART 2201 and/or Fabrications II, ART 2203.

   General Education (36)
   Exit Requirements (9)
   Art Requirements (55)
   Special Requirements (6)
   Free Electives (Maximum Art 9 hours) (23)

   Total 120 hours

Note: All Students earning a B.A. degree in Fine Arts must complete the Foreign Language Requirement

Requirements for the B.F.A. Degree in Studio Art

The accelerated studio experiences provided for students meeting the requirements of the Bachelor of Fine Arts degree will better prepare them for professional participation in the visual arts.

The B.F.A. program in Studio Art will expose the student to many possibilities in the art-making process. The areas of emphasis in art media are painting, drawing, printmaking, photography, sculpture, ceramics and electronic media/video/performance. These options provide access to a comprehensive program of study in art. Students can develop their conceptual and technical skills in a particular art discipline or decide to investigate a specific subject through the use of numerous media and "mixed" forms of art.

The USF Art Department hosts fully equipped studios in all of these disciplines.

Transfer credit from other institutions is accepted on the basis of portfolio and transcript evaluation. The Art Department accepts transfer credit from all Florida programs that are part of the "common course prerequisites".

I. Art Foundations

   ARH 2050 History of Visual Arts I (3)
   ARH 2051 History of Visual Arts II (3)
   ART 2201C Fabrications I (3)
   ART 2203C Fabrications II (3)
   ART 2300C Beginning Drawing (3)
   ART 3301C Intermediate Drawing (3)

   Total 18 hours

II. 2000 Level Studio

   2000 Level 2-D Studio (3)
   2000 Level 3-D Studio (3)
   2000 Level Specialization (3)
   2000 Level Elective Studio (3)

   Total 12 hours

III. 3000 Level Studio

   3000 Level Specialization (6)
   3000 Level Non-Specialization (3)
   3000 Level Elective Studio (3)

   *Total 12 hours

IV. 4000 Level Studio

   4000 Level Specialization (6)
   4000 Level Non-Specialization (3)
   4000 Level Elective (3)

   Total 12 hours

V. Expanded Context Courses

A minimum of 6 hours of your Intermediate or Advanced Studio work must be from selected expanded context courses. Expanded context courses include Theme Studio, cross-media classes and/or special topics classes.

VI. Art History

   ARH 4450 20th Century (4)
   ARH 3454 Contemporary Issues in Art (4)
   4000 Level Period (8)
   ARH 4796 Critical Studies (4)

   Total 20 hours
VII. Additional Requirements
ART 3930 Real World (2)
Extended Studies** (2)
ART 4970 Senior Thesis (3)

Total 7 hours
Total Art 81 hours

Total Semester Hours for the B.F.A. degree in Art Studio:

General Education (27)
Exit Requirements (6)
Art Requirements (81)
Special Requirement (6)

Total 120 hours

**Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London Middlesex Program

Requirements for the B.A. Degree in Art History

The following courses are necessary for completing a B.A. degree in Art History.

I. Art Preparation (Requires a “C” or better in all courses taken to progress to courses numbered 3000 and up)

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)
ART 2300C Beginning Drawing (3)
ART 3301C Intermediate Drawing (3)

Total 18 hours

II. Art History Required Courses

ARH 4450 20th Century (4)
ARH 4937 Seminar in the History of Art History (4)

Total 8 hours

Plus: Minimum of 12 hours in the following history courses:

III. Art History Survey

ARH 4100 Prehistoric & Ancient (4)
ARH 4170 Greek & Roman (4)
ARH 4200 Medieval (4)
ARH 4301 Renaissance (4)
ARH 4350 Baroque and Rococo (4)
ARH 4430 19th Century (4)
ARH 4520 African (4)
ARH 4530 Oriental (4)

Total 12 hours

IV. Art History Critical Studies or Directed Reading

ARH 4796 Critical Studies in Art History and/or
ART 4900 Directed Reading (A minimum of 12 credit hours)

Total 12 hours

V. Plus

Extended Studies: required of all majors (2)
(London Middlesex Program, Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships)

Total 2 hours

VI. Recommendations

Students are encouraged to take additional credits in Art History critical studies courses and Art History survey courses. The course, ARH 4710 History of Photography is recommended to Art History majors as a course to be used to complete Art History elective.

Total Art History 52 hours

Total semester hours for the B.A. degree in Art History

General Education* (30)
Exit Requirements (9)
Art Requirements (52)
Special Requirements (6)
Free Elective (Maximum Art 9 hours) (23)

Total 120 hours

Note: All Students earning a BA degree in Fine Arts must complete the Foreign Language Requirement

*General Education: "Historical Perspectives" will be satisfied by ARH 2050, History of Visual Arts I and ARH 2051, History of Visual Arts II.

Requirements for the Minor in Art

Studio Concentration: Total of 24 minimum hours required

I. Area Preparation

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)
ART 2300C Beginning Drawing (3)

Total 15 hours

II. Art Studio

Beginning Studio Workshop (6)
Intermediate Studio Workshop (3)
or
Theme Studio (3)

Total 9 hours

Art History Concentration: 24 minimum hours required

I. Art History Preparation

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)

Total 12 hours

II. Art History

20th Century (4)
Art History Survey (8)

Total 12 hours

ART EDUCATION

This program is currently inactive. See the Department Chair for further information. It is recommended that students seeking to become teachers obtain either a BA - Studio Concentration or a BFA in Studio Art and then the MA in Art Education (Plan II) which is preparation for Florida Teacher Certification.

VISITING ARTISTS AND SCHOLARS

The Art Department is widely known for the consistent level of excellence of its programs. Aside from the contributions of its permanent staff, and to insure the continuing expansion of learning opportunities available to students, the Art Department has brought to the campus internationally known artists and lecturers such as Alice Aycock, Linda Benglis, Jack Burnham, James Casebere, Albert Chong, Robert Colescott, Hal Foster, Edward Fry, Guillermo Gomez-Pena, Adam Gopnik, The Guerrilla Girls, Dave Hickey, Barbara Kruger, Donald Kuspit, Alfred Leslie, Komar and Melamid, Marlon Riggs, Tim Rollins, Alison Saar, Lorna Simpson, Miriam Shapiro, Robert Stackhouse, Renee Stout, Sidney Tillum, and The Art Guys.

USF CONTEMPORARY ART MUSEUM

The USF Contemporary Art Museum (CAM) is recognized as one of the leading cultural institutions in the state by the State of Florida Cultural Institutions Program. The USF CAM brings vital, investigative, and scholarly exhibitions of contemporary art to the university and Tampa Bay Community. Artists include Matt Mullican, Robert Stackhouse, Pat Steir, Tyler Turkel, and Robin Winters, as well as internationally recognized artists from Africa, Europe, and Latin America, such as Leo Copers, Patrick Corillon, Alfredo Jaar, Antonio Martorelli, Pepon Osorio, and Peter Weibel. The Museum also houses the university’s art collection with exceptional holdings in graphics, sculpture multiples, and recent photography. The Museum is actively engaged in commissioning architecturally related public art projects designed to enhance the public spaces on the USF campus. Recent projects include works by Dale Elred, Richard Fleischner, Doug Hollis, Nancy Holt, Ned Smyth, and Elyn Zimmerman. USF CAM organizes symposia, lectures, work-
shops, and visiting artist presentations to engender interest in contemporary art, educate the public and facilitate the exchange of ideas among artists, museum members, experts in the art field, and the community. The exhibition, educational programs, and art collection serve as an integral part of the studio and art history curriculum of the Art Department and other liberal studies areas while enhancing the cultural vitality of the campus and Tampa Bay communities.

GRAPHICSTUDIO

The Institute for Research in Art/Graphicstudio was founded within the College in 1968 to perform basic research in the visual arts through collaboration with internationally renowned artists in the production of print and multiple editions.

Over the years, Graphicstudio has received many honors including the establishment of a permanent archive at the National Gallery of Art in Washington, D.C., and the achievement of the "Florida Arts Recognition Award" from the Department of State. Work/study programs, directed study, as well as graduate assistantships are available to USF students at Graphicstudio's production facility. Students are able to study completed editions as well as preparatory works in the Graphicstudio Gallery. Graphicstudio also sponsors lectures by invited guests and colloquia on a variety of subjects relating to the visual arts.

* DANCE (DAN)

The dance program offers professional preparation through a curriculum of study within three degree options: B.F.A. in Dance Performance, B.A. in Dance Studies; B.S. in Dance Education. There is an expressed commitment to the development and production of original creative works as extensions of studio/classroom experiences, of faculty research, and in interaction with guest artists.

The presentation of dance in concert is essential to the educational mission, and provides students and the community with frequent opportunities for expanding aesthetic experiences.

Through intensive study in dance technique, creative studio studies and dance theory, students are prepared for careers in performance, choreography, and education. Additionally, these degree programs may help prepare students for graduate work in Dance Sciences/Medicine, Dance Therapy, Arts Management, Performance, Choreography, or Interdisciplinary Studies.

Admission to the Dance Department is contingent upon acceptance by the university and successful completion of a performance audition. Students must complete the audition prior to Orientation and registration for Dance courses.

Prerequisites (State Mandated Common Prerequisites)

The College of Fine Arts encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students are encouraged to complete the following required courses and/or electives (if available) during the program of study at the community college. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

Prerequisites for B.A. in Dance

DAN 1603 or DAN 2810
TPA 2200 or TPA 2223 or TPA 2232
DAA X200-X209 - up to 10 credit hours of any lower level Ballet Technique courses within the 200-209 taxonomy
DAA X100-X109 - up to 10 credit hours of any lower level Modern Technique courses within the 100-109 taxonomy

Although credit toward the major will be given for these courses, placement in upper level technique classes will continue to be based on individual proficiency. Other technique courses in other styles of dance may be accepted toward the major on a case-by-case basis at the discretion of the university. Transfer dance credits must be presented for evaluation by faculty and dance advisor at time of entrance.

Requirements for the B.F.A. Degree in Dance

Prerequisites for B.F.A. in Dance

DAN 2810 or DAN 2600
DAN 2611 or DAN 2901
DAA 2700
DAA 2701
DAA 2480 - or any lower level Repertory courses in the 400-499 series up to 4 credit hours
DAA 2481 - or any lower level Repertory courses in the 400-499 series up to 4 credit hours
DAA X200-X209 - up to 8 credit hours of any lower level Ballet Technique courses within the 200-209 taxonomy
DAA X100-X109 - up to 8 credit hours of any lower level Modern Technique courses within the 100-109 taxonomy

PERFORMANCE CONCENTRATION

The BFA in Dance Performance, (Ballet and Modern) offers professional preparation, which includes extensive study in Studio Technique, Choreographic Studies and Dance Theory. The focus of this degree is the development of dancers who will enter the professional world of dance/arts as performers and choreographers. Beyond the expectations for continuing opportunities for performance, students selecting the BFA will develop and present solo and group Senior Choreographic Projects.

The BFA is a limited access program. Students must participate in a selective admissions procedure. At the end of their first year, students will be assessed by Dance faculty to determine eligibility.

Modern Dance Focus

Studio Technique (28 semester hours)

DAA 3209 Ballet III (6)
DAA 3109 Modern III (6)
DAA 4111 Modern IV (8)
DAA 3394 World Dance (2)
Eelective Dance Technique (6)

Creative Studio (17 semester hours)

DAA 3624 Dance Improvisation (2)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 4616 Choreography III (2)
DAA 4617 Choreography IV (2)
DAA 3480 Jr. Performance Project* (2)
DAA 4687 Performance/Repertory (5)
DAA 4694 Senior Choreographic Project (1)

* Concurrent enrollment in Dance Technique

Dance Theory (27 semester hours)

DAN 2180 Entry Seminar (2)
DAN 3584 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (2)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 4404 Laban Movement Analysis (3)
DAN 3714 Dance Kinesiology (3)
DAN 4135 Dance History Through the 19th Century (3)
DAN 4340 Dance Pedagogy: Secondary Curriculum and Methods (3)
or
DAE 4310 Dance Pedagogy: Pre-School and Elementary Methods (3)
DAN 4181 Dance Senior Seminar (2)
Non-Dance Electives: (9)

**Ballet Focus**

**Studio Technique (30 semester hours)**

DAA 3209 Ballet II (6)
DAA 4211 Ballet IV (6)
DAA 3294 Ballet Variations/Pointe (2)
DAA 3109 Modern III (6)
DAA 3394 World Dance (2)
Elective Dance Technique: (6)

**Creative Studio Studies (17 semester hours)**

DAA 3624 Dance Improvisation (2)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 4616 Choreography III (2)
DAA 4617 Choreography IV (2)
DAA 3480 Jr. Performance Project* (1)
DAA 4657 Performance/Repertory* (5)
DAA 4694 Senior Choreographic Project (1)

*Concurrent enrollment in Dance Technique

**Dance Theory (27 semester hours)**

DAN 2160 Seminar (2)
DAN 3584 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (3)
DAN 3619 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 4410 Laban Movement Analysis (3)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)
DAE 4340 Dance Pedagogy: Secondary Curriculum and Methods (3)
or
DAE 4310 Dance Pedagogy: Pre-School and Elementary Methods (3)
DAN 4181 Dance Senior Seminar (2)
Non-Dance Electives: (7)

### Requirements for the B.A. Degree in Dance Studies

The B.A. in Dance Studies is designed to provide students with a comprehensive core of study in dance (Technique, Creative Studio Studies, Theory) while encouraging the development of an individualized program of study through the selection of general education requirements as well as a focused selection of elective courses. The selection of electives should be designed to provide each student with the maximum value of a liberal arts education within a focused area of study. A student with additional interest in another field (i.e., African Studies, Anthropology, Communications, Women's Studies, Theatre, History, Religious Studies, Psychology, etc.) should complete focused study in that area along with the core of study in dance. Each student would be required to develop a final independent project incorporating dance with his or her focused study.

**Coursework to be taken at USF**

**Studio Technique (20 semester hours)**

DAA 3108 Modern II (6)
DAA 3208 Ballet II (6)

### B.S. Degree in Dance Education

The Dance Education Curriculum is designed for students who wish to develop a high level of expertise in dance and have a commitment to the development of individual potential in others. The curriculum is designed to meet the requirements for certification in Dance Education K-12 in the State of Florida.

In order to be admitted to the Dance Education Specialization, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during the Fall semester of each year. In addition to applying to the university, students must also submit a letter of application to the Department of Dance before March 1 for priority admission consideration. Students applying after May 1 will be accepted only on a space available basis.

Admission to Dance Education is contingent upon application to the program, successful audition in both Ballet and Modern Dance Technique, and acceptable academic standards. (See “General Requirements for B.A. Degrees within the College of Fine Arts.” Note: Students on academic appeal or probation may not be considered for Dance Education Specialization until successful completion of their sophomore year.)

Dance Education Students are expected to maintain a 3.0 in all Dance Major courses and an overall 2.5 GPA to be admitted to the College of Education/Professional Preparation Courses of Study. (See Special Requirements for admission and internship established by the College of Education.) Students are expected to maintain the 3.0/2.5 grade point average as stated above through the completion of the internship in Dance Education.

Preliminary coursework recommended for a student’s first and second year in college is listed below. Upper-level courses are listed for each major area of study following the prerequisites.

### Prerequisites (State Mandated Common Prerequisites):

These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology 3

(equivalent course or demonstrated competency may be substituted)

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus. The eligible courses will be determined by the institution where the student is currently enrolled for his/her degree. Profes-
sional education courses taken at the community college will transfer as general electives. Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

- **Communications**, including a speech course (9 hours minimum)
- **Mathematics**, excluding MAT 1033 and a computer course (9 hours minimum)
- **Natural and/or physical sciences**, with at least one associated lab (9 hours minimum; including lab)
- **Humanities** (9 hours minimum); and
- **Social sciences**, including a psychology or human growth and development course (9 hours minimum)

### Coursework to be taken at USF

**Studio Technique (14 Semester hours minimum)**

*Note:* Of the 12 hours in Ballet and Modern Dance, 6 hours must be in Ballet, 6 hours must be in Modern Dance, and at least 3 of these hours must be at level III or IV. Based on the student’s progress in technique development, courses may include:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3108</td>
<td>Modern II</td>
<td>(3)</td>
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<tr>
<td>DAA 3109</td>
<td>Modern III</td>
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<tr>
<td>DAA 3208</td>
<td>Ballet II</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 3209</td>
<td>Ballet III</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 4111</td>
<td>Modern IV</td>
<td>(4)</td>
</tr>
<tr>
<td>DAA 4211</td>
<td>Ballet IV</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Additional Required Studio Technique Courses Include:

- **DAA 2352** Ethnic/Folk Dance (2)

**Creative Studio Studies (10 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DAA 3624</td>
<td>Dance Improvisation</td>
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<tr>
<td>DAA 3614</td>
<td>Choreography I</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 3615</td>
<td>Choreography II</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 4616</td>
<td>Choreography III</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 3480</td>
<td>Jr. Performance Project*</td>
<td>(1)</td>
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<tr>
<td>DAA 3686</td>
<td>Performance</td>
<td>(1)</td>
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*Concurrent enrollment in Dance Technique*

**Dance Theory (21 semester hours)**

<table>
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<tr>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TPA 2200</td>
<td>Introduction to Technical Theatre I</td>
<td>(2)</td>
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<tr>
<td>DAN 3614</td>
<td>Music for Dance I</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 3615</td>
<td>Music for Dance II</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 3714</td>
<td>Dance Kinesiology</td>
<td>(3)</td>
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<tr>
<td>DAA 4404</td>
<td>Laban Movement Analysis</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 484</td>
<td>Dance History Through the 19th Century</td>
<td>(3)</td>
</tr>
<tr>
<td>DAN 4135</td>
<td>20th Century Dance History</td>
<td>(3)</td>
</tr>
</tbody>
</table>

(All Dance Majors are required to participate in Dance Practicum (DAN 3584) during their first year in the program.)

**Department of Education Professional Prerequisites (9 semester hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to Education</td>
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<tr>
<td>EDG 2701</td>
<td>Teaching Diverse Populations</td>
<td>(3)</td>
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<tr>
<td>EME 2040</td>
<td>Entrance to Educational Technology</td>
<td>(3)</td>
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</table>

**Professional Preparation**

<table>
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<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 3122</td>
<td>Learning and the Developing Child</td>
<td>(4)</td>
</tr>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF 3542</td>
<td>Philosophy of Education</td>
<td>(4)</td>
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<tr>
<td>EEX 4070</td>
<td>Integration of Exceptional Students in the Regular Classroom</td>
<td>(2-3)</td>
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<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
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<td>DAE 4340</td>
<td>Dance Pedagogy: Secondary Curriculum and Methods</td>
<td>(3)</td>
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<tr>
<td>DAE 4310</td>
<td>Dance Pedagogy: Pre-K and Elementary Methods</td>
<td>(3)</td>
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<tr>
<td>DAE 4940</td>
<td>Internship Dance Education</td>
<td>(10)</td>
</tr>
<tr>
<td>DAE 4936</td>
<td>Senior Seminar in Dance Education</td>
<td>(2)</td>
</tr>
</tbody>
</table>

### Requirements for the Dance Minor

The Dance Minor is designed to provide students with a scope of experiences in dance which include studio technique, creative studio studies and dance theory. The student selecting a Dance Minor should arrange to meet with the academic advisor in dance prior to enrolling for classes.

**Studio Technique (10 semester hours)**

Select 10 credits from:

- DAA 2205 Ballet I (2)
- DAA 3208 Ballet II (3)
- DAA 3209 Ballet III (3)
- DAA 4211 Ballet IV (4)
- DAA 2105 Modern Dance I (2)
- DAA 3108 Modern Dance II (3)
- DAA 3109 Modern Dance III (3)
- DAA 4111 Modern Dance IV (4)
- DAA 2504 Jazz Dance (2)
- DAA 4930 Special Topics in Dance (2)

(Studio Dance courses may be repeated only once toward the Dance Minor.)

**Creative Studio Studies (4 semester hours)**

Select 4 credits from:

- DAA 3624 Dance Improvisation (2)
- DAA 3614 Choreography I (2)
- DAA 3615 Choreography II* (2)

*Music for Dance is a pre-requisite for Choreography.

**Dance Theory (6 semester hours)**

Select 6 credits from:

- DAN 2100 Introduction to Dance (3)
- DAN 4134 Dance History Through the 19th Century (3)
- DAN 4135 20th Century Dance History (3)

**Dance Electives (4 semester hours)**

TOTAL: 24

### DEPARTMENT POLICY FOR ACADEMIC PROGRESS

Prospective majors must contact the Dance Department to arrange for an audition prior to being permitted to register for classes. Acceptance into each of the degree programs [B.F.A.; B.A.; B.S.] requires acceptable technical proficiency, academic standards commensurate with USF guidelines, and recommendation of the faculty.

All students are required to participate in Dance Practicum (DAN 3584) during their first year in the program. Junior Dance Majors are required to perform in a work created by one of the Seniors.

**B.F.A.:** Seniors are required to choreograph a group work and choreograph and/or perform a solo in fulfillment of the requirement for Senior Choreographic Project. Senior Choreographic Project is designed to occur over two semesters.

**B.A.:** Seniors are required to develop an independent creative/research project in consultation with a faculty mentor. Senior Creative/Research Project may occur over two semesters.

**B.S.:** Seniors are required to serve a Teaching Internship in the Public Schools under the supervision of a public school dance teacher and a University faculty mentor. The Internship is designed to be completed in one semester with seven weeks at the Elementary Level and seven weeks at the Secondary Level.

### CRITIQUES

1. All students will be evaluated periodically by the faculty and critiqued each semester and will participate in progress conferences with the faculty.
2. If a student evidences deficiency in some area or in continuing progress toward the degree, the student may be placed on probation within the Department.
3. Failure to make satisfactory progress after being placed on probation shall constitute grounds for Departmental recommendation to drop and discontinue the major.
MINIMUM GRADE FOR DANCE COURSES

A student must receive a "C" grade or better in required courses for Dance Majors. Should a student fail to do so, the course(s) in which the student receives a "D" or "F" must be repeated and a "C" grade or better earned. Note: The student choosing a Dance Minor must achieve a "C" or better in all courses applied to the minor in dance.

ADDITIONAL STANDARDS

In addition to meeting the specific requirements and standards discussed above, the student and advisor will periodically evaluate the student's general progress. Students are required to meet with the Academic Advisor in Dance each semester. An unsatisfactory rating in one or more of the following areas could place the student on probation. A student on probation is given a specific amount of time to achieve a satisfactory rating before being dropped from the major program. The criteria include:
1. Appropriate academic progress.
2. Adequate technical skills and adaptability.
3. "B" average in major studio classes.
4. Physical conditioning which includes: nutrition, flexibility, strength, and healthy weight management necessary to facilitate safe technical and artistic expression.

Class probation and department probation require review, i.e., reinstatement in good standing or recommendation to drop major.

For other non-major requirements see both Fine Arts College requirements and the university's General Distribution and graduation requirements.

VISITING ARTISTS AND ARTISTS-IN-RESIDENCE

The Department of Dance believes in the ongoing influence of guest artists as choreographers, teachers for master classes, residencies and performers. The programs provide numerous opportunities to enhance the students artistic awareness of professional possibilities.

• MUSIC (MUS)

The music curriculum is designed for students gifted in the performance and/or composition of music. Candidates for a major in music are required to pass an entrance audition in their respective performance areas. Composition candidates are required to submit appropriate scores and or tapes of their compositions for faculty appraisal. All students admitted to the degree program must pass a music theory diagnostic examination prior to scheduling music theory classes. Students may obtain dates and times for these examinations from the School of Music.

Academic programs offered in the Bachelor of Music degree include the areas of Performance (voice, piano, piano pedagogy, and orchestral instruments), Composition, and Jazz Studies (composition and performance).

The Music Department is developing an Honors program. Please check with an academic advisor regarding the requirements.

GENERAL REQUIREMENTS

All students seeking a Bachelor of Music degree are required to (1) complete successfully the piano proficiency (jazz piano proficiency required instead for all jazz majors) and music theory-history-literature requirements; (2) present a partial recital during the junior year (except composition majors); (3) present a full recital during the senior year (except music education majors); (4) present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty). Students must be enrolled in applied music studio during the semester of the recital. Other procedures are mandated through the Student Handbook of the School of Music. Exceptions to all departmental procedures must be authorized through the Director of the School of Music.

Promotion to the next higher level in applied music is made only upon the recommendation of a performance jury conducted by that concentration's faculty. Where appropriate for the degree, the student is required to complete a minimum of two semesters, but no more than three semesters at the 2000 or 3000 level of applied music. Failure to complete these levels within the three semester maximum brings automatic dismissal from the program. Students may repeat the 4000 level as necessary to fulfill the total credit hour requirement (3000 level for composition or music education). Credit for only 2 semesters of applied music at the 1000, 2000, or 3000, levels will be applied toward the degree.

MINIMUM GRADE FOR MUSIC COURSES

A minimum grade of "C" is necessary in all music courses required for the student's degree. Registration in required music courses resulting in grades of "D" or "F" must be repeated. Sequel courses may not be taken until prerequisites are satisfied with appropriate grades or waivers.

The B.M. Degree (Performance, Composition and Jazz Studies)

Prerequisites (State Mandated Common Prerequisites)

The College encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended. A music theory placement examination will be administered prior to initial registration in the music theory course sequence. The examination is diagnostic and is used for advising purposes. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano must be demonstrated by audition or the student may elect to enroll in the appropriate keyboard skills class(es). Credit hours in piano are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

MUT 1111 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 1112 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 2116 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 2117 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 1241 Aural Theory
or MUT 1221, 1222, 2226, 2227,1261, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 1242 Aural Theory
or MUT 1221, 1222, 2226, 2227,1261, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 2246 Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227,1261, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 2247  Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277.
MUNXXX Chamber Music Ensemble. 4 semester hours
MVX1X1X Secondary Applied Music Courses, 2-4 semester hours
MVX2X2X Secondary Applied Music Courses, 2-4 semester hours
Secondary Piano Proficiency by Examination
  or MVK 1111, 1112, and 2122.
  or MVK 1111r, 1112r, 2121r, and 2121r.
  or MVK 1211 and 2221.
Electives: Music credits beyond those required may be used as program electives.

**CORE REQUIREMENTS FOR ALL PERFORMANCE, AND COMPOSITION CONCENTRATIONS**

**Music Theory (22)**
MUT 1111 (3)  MUT 2116 (3)  MUT 4571 (3)
MUT 1112 (3)  MUT 2117 (3)  MUT 4411 (3)
MUT 1241 (1)  MUT 2246 (1)  or
MUT 1242 (1)  MUT 2247 (1)  MUT 4421 (3)
**Music Literature (3)**
MUL 2111 (3)*
*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

**Music History (8)**
MUH 3301 (3)*  MUH 3302 (3)*
MUH 3300 (2) or MUH 4058 (3)* or MUH 4801 (3)
*This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

**Conducting (2)**
MUG 3104

**Senior Seminar (1)**
MUS 4935 (1)
MUS 2010 Recital Attendance (0)

**Ensemble**
Performance Majors (8), Composition (8)
All undergraduate students enrolled in applied music for 3 or 2 credit hours are required to be enrolled in a major ensemble appropriate to their performing medium.

**Fine Arts Requirement (6 hours)**
Music majors should take one 3-hour Fine Arts course certified in Historical Perspectives and one 3-hour Fine Arts course certified in the Fine Arts Perspective of the Liberal Arts Curriculum in order to graduate within 120 semester credit hours.

**CORE REQUIREMENTS FOR JAZZ STUDIES PERFORMANCE AND JAZZ STUDIES COMPOSITION CONCENTRATIONS**

**Music Theory (26)**
MUT 1111 (3)  MUT 2116 (3)  MUT 2641 (2)
MUT 1112 (3)  MUT 2117 (3)  MUT 2642 (2)
MUT 1241 (1)  MUT 2246 (1)  MUT 3353 (3)
MUT 1242 (1)  MUT 2247 (1)  MUT 3354 (3)
**Music Literature (3)**
MUL 2111 (3)*
*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

**Music History (8)**
MUH 3301 (3)*  MUH 3302 (3)*  MUH 4801 (3)
*This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

**Conducting (2)**
MUG 3104

**Senior Seminar (1)**
MUS 4935 (1)
MUS 2010 Recital Attendance (0)

**Elective Hours in Music (10-12)**
**Ensemble:**
Performance (8), Composition (8)

All students enrolled in applied music for 3 or 2 hours are required to enroll in a major ensemble appropriate to their performing medium.

**Additional Requirements for Specific Concentrations**

**PERFORMANCE CONCENTRATION**
A total of 24 credit hours of applied music major is required with a minimum of 6 hours to be completed at the 4000 level and concurrent registration in MUS 2010 (Recital Attendance). Performance majors in voice must "elect" to enroll for MUS 2201 for a total of 3 credits as a part of the Music Electives and MUS 3503 for 2 credits as a part of the Ensemble hours. Additionally, there is a program exit requirement of earned credit or the equivalent in beginning French, German, and Italian languages.

Performance majors in piano are required to "elect" to enroll in MUS 4640 for 4 credits as a part of the Music Electives. The following requirements for the piano pedagogy emphasis are to be taken as a part of the Music Electives: MUS 4640 (4)

Junior and senior recital requirements may be fulfilled in one of the following ways: (1) lecture/recital, (2) ensemble performance, (3) recital.

**JAZZ STUDIES CONCENTRATION**

**PERFORMANCE EMPHASIS**
The following courses are required in addition to the core requirements:
MUT 3663 (2)  MUT 3664 (2)
Applied music (major) through the 3000 level (min. of 18 hours).
The first 4 semesters and a sophomore level jury are under the guidance of the traditional applied faculty for all wind students, after which they will move from that studio to a jazz studies studio for their final semesters of applied studies. Jazz piano proficiency required.

**COMPOSITION EMPHASIS**
The following courses are required in addition to the core requirements:
MUC 2221 (6)  MUC 4403 (3)  MUC 4404 (3)
Elective Composition (6)
Applied music (principal) with a minimum of 4 hours at the 2000 level. Jazz piano proficiency required.

**COMPOSITION CONCENTRATION**
All students seeking a degree in music with a composition concentration are required to fulfill the senior composition requirements (with the approval of the entire composition faculty) in one of the following ways: (a) a complete public performance of works by the student composer, (b) the public performance of several compositions in various concerts throughout the composer's senior year, (c) the formal presentation to the composition faculty of an extensive portfolio of compositions plus the public performance of at least one of these works during the senior year, or (d) in other ways designated by the composition faculty.

**Applied Music (Principal) (8)**
A minimum of 8 credit hours of applied music is required with a minimum of 4 credit hours at the 2000 level.

**Composition Courses (24)**
MUC 2301 (3)  MUC 2221 (3)  MUC 3231 (3,3)
MUC 3401 (3)  MUC 3402 (3)  MUC 4241 (3)
MUC 4311 (2)  MUC 4312 (2)

For other degree requirements for all the above concentrations, see Fine Arts College requirements and the university's General Education and graduation requirements.
• MUSIC EDUCATION

The music education curriculum is designed to serve students who wish to develop a high level of musical expertise and have a commitment to help develop musical potentials in other people.

All students seeking a degree in music education are required to pass an audition in their respective performance area and to take a music theory placement test prior to registering for any music theory class. Students may obtain the dates for these examinations from the music office.

Special requirements for all music education majors: successful completion of the piano proficiency requirements as defined by the music and music education faculties; participation in a major performing ensemble each semester the student is enrolled in applied music; and the presentation of a one-half hour recital in the major performing medium during the last semester of enrollment in applied music.

Students are to present a record of satisfactory recital attendance through registration in MUS 2100 (see the specific requirements for MUS 2100 as set by the music faculty).

Note: exceptions applicable to this program.

1) A lab Component is required with a Natural Science course in the General Education curriculum.

Students must have an ACT score of 20 or an SAT score of 960 and a USF GPA of 2.5. A minimum grade of "C" is required in all music, music education, and education courses necessary for the degree.

Requirements for the B.S. Degree in Music Education (MUE)

Prerequisites (State Mandated Common Prerequisites)

Music students must be accepted by audition in their performance area by the School of Music. Interested students should complete the A.A. degree at the community college. Professional education courses taken at the community college will transfer as general electives. Also, some courses required for the major may meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 12 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence.

Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency must be demonstrated by audition or the student may elect to enroll in the appropriate keyboard skills class(es). Credit hours in piano are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted.

Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

EDF X005 Introduction to Education
EDG 2701 Teaching Diverse Populations
EME 2040 Introduction to Educational Technology (Equivalent course or demonstrated competency may be substituted).

MUT 1111 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 2116 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 2117 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 1241 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 1242 Music Theory
or MUT 1121, 1122, 2126, or 2127
MUT 1241 Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 1242 Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 2246 Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MUT 2247 Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271,1272, 2276, or 2277
MVX 1125 Secondary Applied Music Courses, 2-4 semester hours
MVX222X Secondary Applied Music Courses, 2-4 semester hours
MUNXXXX Chamber Music Ensemble, 4 semester hours
Secondary Piano Proficiency by Examination
or MVK 1111, 1112, and 2122
or MVK 1111r, 1112r, 2121r, and 2121r
or MVK 1211 and 2221
Introduction/General Psychology and Sociology courses are recommended.

Professional Education Requirements (course descriptions can be found in the College of Education portion of this catalogue)

Lower Division
EDG 2701 Teaching Diverse Populations (3)
EDF 2005 Introduction to Education and Field Experience (3)
*EME 2040 Introduction to Educational Technology (3) In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Undergraduate Admission to the College" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Upper Division
EDF 3214 Human Development and Learning (2)
EDF 3604 Social Foundations of Education (3)
EDF 4430 Basic Concepts of Educational Measurements (3)
EEX 4070 Exceptional Students (2)
MUE 4936 Senior Seminar (2)
MUE 4940 Internship (10)
* Students demonstrating a computing proficiency may be excused from this course with the approval of the Music Education faculty.

Students may substitute a course in computer applications in music for EME 2040.

Music Education courses (32-34 hours)
MUE 2090 (3) MUE 3421 (1) MUE 3422 (1)
MUE 3423 (1) MUE 3431 (3) MUE 4330 (3) or MUE 4332 (3) MUE 4940 (10) MUE 3431 (3)
MUE 4936 (2)
MUE 2450 (1)* and/or (depending on professional focus)
MUE 3451 (1)
MUE 2460 (1)** and/or (depending on professional focus)
MUE 3461 (1)
* Not required of woodwind majors
** Not required of brass majors

USF
Music courses (30+ hours)
MUL 2111 (3)* MUG 3104 (2) MUH 2051 (3)**
MUH 3301 (3)*** MUH 3302 (3)*** MUL 1111 (3)
MUT 1112 (3) MUT 1241 (1) MUT 1242 (1)
MUT 2116 (3) MUT 2117 (3) MUT 2246 (1)
MUT 2247 (1)
* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.
** This course also satisfies 3 hours of ALAEMA Perspectives in the Liberal Arts Curriculum.
*** This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

Applied Music (Principal) 12 cr. hrs. with a minimum of 4 hours at the 3000 level.
Music electives (3-5 hours)

Applied Music Secondary Techniques (2-3 hours)
MVP 1211, MVS 1211. One hour of choral ensemble is required for all non-major voices.

Major performing ensembles (6 hours)
Minimum of one per semester of applied music

Graduating recital
MUS 2010 Recital Attendance (0)

Piano proficiency requirement
Fine Arts Elective (3 hours)

Music Education majors must take 3 hours in the Art, Dance, or Theatre departments. Students should make certain that this 3hour course is certified in the Fine Arts Perspectives of the Liberal Arts Curriculum in order to graduate within statutory limits/guidelines.

Requirements for a Minor in Music

Students seeking a minor in music may choose from three concentrations, each with a minimum of 19-23 semester hours required: (1) History-Theory-Literature, (2) Applied Medium and (3) Composition. Each of the concentrations will include the same core curriculum consisting of 11 hours. A minimum of 8 hours for the minor must be earned at USF.

1. Core Curriculum:
   a. Music Theory 11 hours
   b. Introduction to Music Literature (8)
   c. or Music History (3)

2. Optional Concentrations:
   a. History-Theory-Literature 9-10 hours
      An audition is not required.
      Music History and/or Theory and/or Literature (7-8)
   b. Applied Music (Principal) 8-12 hours
      Acceptance by audition into the School of Music is required.
      Performance Studio courses which may include up to 2 semester hours of class-studio (6-8)
      Music Ensembles (2-4)
      MUS 2010 Recital Attendance (0)
      c. Composition 9 hours
      Acceptance by audition into the School of Music is required.
      Composition Studio courses which may include one course of orchestration (6)
      Music Ensemble (1)

3. Admission to all composition and studio applied music courses is by audition and/or permission of the instructor. Studio courses may be repeated for credit as stipulated in the catalog.

THE FACULTY

The music faculty is made up of outstanding musicians and scholars whose talents and achievements provide a unique educational resource for all music students. Faculty ensembles such as the Faculty Chamber Players and the Faculty Jazz Combo provide an important musical contribution to campus and Tampa area cultural life, and many music faculty perform in professional music ensembles across west central Florida.

STUDENT ORGANIZATIONS

Sigma Alpha Iota, Phi Mu Alpha Sinfonia, and Pi Kappa Lambda honorary music organizations maintain active chapters in the School of Music. Additionally, chapters of the College Music Educators National Conference, American Choral Directors Association, Kappa Kappa Psi Band Fraternity and the International Association of Jazz Educators provide an important liaison with other professional musicians and teachers.

FINANCIAL AID

A significant number of students studying in the School of Music qualify for some degree of financial assistance. Financial aid is offered on the basis of talent, academic promise, and need. Students awarded financial assistance from the School of Music need not pursue a degree in music, but must follow specific guidelines concerning the awarding of monetary assistance. These guidelines are available from the Director of the School of Music. Write to the School of Music for specific dates each year. In addition to general university and School of Music scholarships, there are a number of donated awards. Among these are the Dawn Zimmerman Flute Scholarship, Mary Corey Bogdonas Scholarship, Steve Penovich Scholarship, Marjorie Roe Cello Scholarship, Zbar Piano Award, and the Virginia A. Bridges Music Education Award.

VISITING SCHOLARS, ARTISTS, AND ARTISTS-IN-RESIDENCE


THEATRE (TAR)

The Department of Theatre is fully accredited by the National Association of Schools of Theatre (NAST). Through its curriculum and production program, the Department of Theatre offers seriously interested students the opportunity to prepare within a liberal arts atmosphere, for a professional career in the theatre or to continue their studies at the graduate level.

For over 30 years, our exclusively undergraduate program has prepared critically aware and skilled theatre practitioners. The department's mission is to educate students in the art of theatre, to conduct original research, and to present challenging productions to the university and Tampa Bay communities.

Students may graduate with a broad based theatre arts degree, or they may specialize in performance or design. Computer assisted design (CAD), playwriting, stage combat, circus skills, musical theatre, and puppetry are among the many options available.
Special Features

1. The endowed British International Theatre Program (BRIT) brings five or more professional artists from the UK to work with upper level students for 6-8 weeks each spring semester.
2. The John W. Holloway endowed chair in theatre and dance provides funds annually for guest artist residencies.
3. USF’s Theatre Department has a formal student Exchange Program with Middlesex University in London, England.
4. The Department Honors Program allows small select groups of upper-division students to work on special projects with faculty and guest artists for up to one year.

Visiting Artists and Artists-in-Residence

TheatreUSF actively promotes guest artists on campus. A representative list of artist from the last ten years includes Maria Aitken, Peter Barkworth, Bill Bryden, Daniel Chumley, Russel Craig, Matthew Francis, George Froshcer, Christopher Fry, John and Lisa Gale, Patrick Garland, Ronald Harwood, Jeff Jones, Rachel Kavanaun, Sam Mendes, Bob Moody, Eric Overmyer, Louise Page, Estelle Parsons, Olga Petrovna, Roni Pinkas, Denis Quilley, Gerlinde Reinhagen, L. Kenneth Richardson, Lord Brian Rix, James Roose-Evans, Dorothy Tutin, Robert Wierzel, and Jose Yglesias. These and others have helped the department develop relationships with: UMO Ensemble, London’s West End, The Royal National Theatre, The Royal Shakespeare Company, The Actors’ Studio, Broadway, San Francisco Mime Troupe, Free Theatre of Munich, The Chichester Festival, The Edinburgh Festival, The Spoleto Festival, Yale Repertory Theatre, and Habimah Theatre in Israel.

Requirements for the B.A. Degree with a Major in Theatre

Prerequisites (State Mandated Common Prerequisites)

For students transferring from a Community College, students are encouraged to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the courses below recommended.

Students need not have completed a concentration of courses in theatre in order to consider a Theatre major at USF. However, admission to upper-level Theatre Performance program is by audition and admission to the upper-level Design sequence is by portfolio review. If the student does not succeed in passing the audition or portfolio review certain Theatre program requirements may have to be repeated until successful completion of the audition or portfolio review can be achieved.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. A “C” average in the major is required for graduation. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>THE 2000</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Script Analysis, 3 semester hours</td>
<td>3</td>
</tr>
<tr>
<td>TPA 1290</td>
<td>Production Involvement, 1 semester hour</td>
<td>1</td>
</tr>
<tr>
<td>TPA 2200</td>
<td>Introduction to Technical Theatre I, 3 semester hours</td>
<td>3</td>
</tr>
</tbody>
</table>

TPP 1190 Studio Theatre-Cast, 1 semester hour
TPP 2100 Voice-Body Improvisation, 3 semester hours
PLUS nine hours of any combination of THE, TPA and TPP courses.

The students may choose one of four areas for the B.A. degree: Performance, Design or Theatre Arts. Common to all is the following core:

Core Curriculum (33 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>THE 2020</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TPA 2110</td>
<td>Voice-Body Improvisation</td>
<td>3</td>
</tr>
<tr>
<td>TPA 2200</td>
<td>Intro to Technical Theatre I</td>
<td>3</td>
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<tr>
<td>TPA 2290L</td>
<td>Intro to Technical Theatre Lab I</td>
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<tr>
<td>TPA 2291</td>
<td>Intro to Technical Theatre II</td>
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<tr>
<td>TPA 2291L</td>
<td>Intro to Technical Theatre Lab II</td>
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Second Year (8 hours)

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<tbody>
<tr>
<td>THE 2305</td>
<td>Script Analysis</td>
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Second Year (8 hours)

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<tbody>
<tr>
<td>THE 3110</td>
<td>Theatre History I -XMW or</td>
<td>3</td>
</tr>
<tr>
<td>THE 3111</td>
<td>Theatre History II -XMW and</td>
<td>3</td>
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<tr>
<td>TPA 2292</td>
<td>Production Involvement I</td>
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<tr>
<td>TPP 2190</td>
<td>Studio Theatre Performance I</td>
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Third Year (8 hours)

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<tbody>
<tr>
<td>TPA 4000</td>
<td>Literature of the Stage (LS):</td>
<td>3</td>
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<tr>
<td>THE 4330</td>
<td>Shakespeare for the Theatre</td>
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Year 3 (8 hours)

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<tbody>
<tr>
<td>THE 4360</td>
<td>19th Century Theatre Revolution -6A-XMW-XMW</td>
<td>3</td>
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<tr>
<td>THE 4401</td>
<td>O’Neill and After -6A-XMW-XMW</td>
<td>3</td>
</tr>
<tr>
<td>THE 4435</td>
<td>Theatre of Pluralism -6A -XMW-XMW</td>
<td>3</td>
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<tr>
<td>THE 4442</td>
<td>Comedy of Classic &amp; Neoclassic Stage-6A-XMW-XMW</td>
<td>3</td>
</tr>
<tr>
<td>THE 4480</td>
<td>Drama Special Topics</td>
<td>3</td>
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AND

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<tbody>
<tr>
<td>THE 3110</td>
<td>Theatre History I -XMW</td>
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</tr>
<tr>
<td>THE 3120</td>
<td>Theatre History II -XMW</td>
<td>3</td>
</tr>
<tr>
<td>THE 4320</td>
<td>Theatre of Myth and</td>
<td>3</td>
</tr>
<tr>
<td>THE 4180</td>
<td>Theatre Origins -6A -XMW-XMW</td>
<td>3</td>
</tr>
<tr>
<td>THE 4434</td>
<td>Caribbean Theatre -6A-XMW-XMW</td>
<td>3</td>
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Note: By prior agreement between the chair and instructor the honors sequence in its entirety (THE 4593, 4594, 4595) may substitute for “Literature of the Stage (LS)” or “Theatre Historical Studies (TS)”

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TPA 4293</td>
<td>Production Involvement II</td>
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<tr>
<td>TPP 4193</td>
<td>Studio Performance II</td>
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Fourth Year (3 hours)

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>THE 4180</td>
<td>Theatre Origins -6A -XMW-XMW</td>
<td>3</td>
</tr>
<tr>
<td>THE 4562</td>
<td>Contemporary Performance Theory -6A-XMW-XMW</td>
<td>3</td>
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Audition and Portfolio Review: All students desiring admission into the upper level acting courses must audition and those entering the upper level design sequence must present a portfolio. This normally occurs after the completion of the sophomore year.

REQUISITED COURSES FOR AREAS OF STUDY IN THEATRE

Performance Area (BA Degree)

<table>
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<th>Course</th>
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<td>Fine Arts (Non-Theatre):</td>
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<td>Theatre Core:</td>
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92-94
Theatre courses. In addition to courses in performance and design, areas of study available are Puppetry, Playwriting, Stage Management, Directing, Literature, and Criticism.

General Education: 36
Language: 8-10
Exit courses: 9
Fine Arts (Non-Theatre): 6
Theatre core: 33

TPP Courses: 3
THE; TPP courses (TPP courses must be at upper level) 18
Free Electives 5-7

Total Hours 26-28

Requirements for a Minor in Theatre
Theatre Program
TPP 2020 Introduction to Theatre 3
TPP 2110 Voice and Body Improvisation 3
TPP 2190 Studio Theatre Performance I 1
TPP 2292 Production Intensive I 3
TPP 2290 Intro to Theatrical Technology I 3
TPP 2293 Intro to Technical Theatre Lab I 1
TPP 2291 Intro to Technical Theatre II 3
TPP 2297 Intro to Technical Theatre Lab II 1

A minimum of 7 credits chosen from THE; TPP; courses with the approval of the advisor. All audition and portfolio requirements apply. A minimum of 12 credits must be taken in the USF Theatre Department.

SPECIAL PROGRAMS
Honors Program
The Honors Program is available to upper level majors who have a 3.5 GPA in the major and a 3.2 overall GPA and who have achieved a comparably high level of artistic or scholarly achievement. A 6-8 credit one-year sequence of courses is offered to students accepted into the Honors Program. The sequence progresses from a reading seminar to a guest artist practicum to a student thesis or project. With approval of chair and instructor the entire Honors sequence may substitute for one of the ‘Literature of the Stage’ or ‘Theatre Historical Studies’ requirements.

THE 4593 (2) THE 4594 (2) THE 4595 (1-3)

Guest artists have been working professionals from New York, San Francisco, Denver, Los Angeles, Munich, London, Tel Aviv.

British International Theatre Program (BRIT)
The BRIT Program is available each spring semester to 16 advanced theatre students by audition. The program consists of master classes and/or production experience with select guest artists from the U.K. Advanced scenario students are eligible for tuition remission for the three credit BRIT Program course.

John W. Holloway Endowed Chair in Theatre and Dance
The Holloway Program provides classes and production experiences with internationally renowned artists in design, directing, acting, writing and musical theatre.

FINE ARTS FACULTY

ART
Chairperson: W. Wilson; Distinguished Professor - Dean Emeritus: D. J. Saff; Dean Emeritus - Professor Emeritus: H. W. Covington; Chair Emeritus - Professor Emeritus: G. Pappas; Professors: A. B. Eaker, Jr., C. J. Fager, J. M. Kronsnoble, M. R. Larsen, C. P. Lyman, L. Marcus, B. L. Marsh, M. A. Miller; Associate Professors: R. Beckman, E. A. Fraser, V. Hirt, B.

DANCE


MUSIC


MUSIC EDUCATION

Director: C. P. Doane; Professor Emeritis: V. A. Bridges; Professors: C. P. Doane, J. J. Heller, J. J. Summer; Associate Professors: J. L. S. Moore, Assistant Professor: D. A. Williams, S. Woodward; Associate in Arts Administration: I. G. Wansley.

THEATRE


FINE ARTS COURSES

ART

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ARH 3001 Introduction To Art HP FA (3)
ARH 3454C Contemporary Issues In Art HP FA MW (4)
ARH 4170 Greek And Roman Art (4)
ARH 4200 Medieval Art (4)
ARH 4301 Renaissance Art (4)
ARH 4318 Venetian Art (4)
ARH 4350 Baroque And Rococo Art (4)
ARH 4430 Eighteenth Century Art (4)
ARH 4450 Twentieth Century Art (4)
ARH 4455 Modern Political Iconography MV (4)
ARH 4500 African Art (4)
ARH 4547 Buddhist Art (4)
ARH 4554 Japanese Prints (4)
ARH 4557 Chinese Art (4)
ARH 4570 History Of Photography 6A MV (4)
ARH 4721 Graphiscstudio/History Of Media: Printmaking (3)
ARH 4721C History Of Printmaking 6A (3)
ARH 4790 Selected Topics In The History Of Film (4)
ARH 4792 Critical Studies In Art History 6A (4)
ARH 4930 Art History: Selected Topics (2-4)
ARH 4937 Seminar In The History Of Art History (4)
ARH 5797 Gallery And Museum Internship (2-6)
ART 2201C Fabrications I FA (3)
ART 2203C Fabrications II FA (3)
ART 2222 Beginning Electronic Media (3)
ART 2301C Beginning Drawing (3)
ART 2400C Beginning Printmaking (3)
ART 2510C Beginning Painting (3)
ART 2701C Beginning Sculpture (3)
ART 2930 Selected Topics in Art (2-4)
ART 3111C Intermediate Ceramics (3)
ART 3222C Intermediate Electronic Media (3)
ART 3302C Intermediate Drawing (3)
ART 3401C Intermediate Printmaking (3)
ART 3465 Digital Printmaking (3)
ART 3530C Intermediate Painting (3)
ART 3702C Intermediate Sculpture (3)
ART 3712C Multiples, Molds, and Bronzecasting (3)
ART 3750C Site, Installation, and Performance (3)
ART 3935 Studio Techniques: Selected Projects (2)
ART 3939 The Real World (2)
ART 4111C Advanced Ceramics (3)
ART 4223 Advanced Electronic Media (3)
ART 4320C Advanced Drawing (3)
ART 4402C Advanced Printmaking (3)
ART 4520C Advanced Painting (3)
ART 4702C Advanced Sculpture (3)
ART 4703C Studio III (4)
ART 4806 Theme Studio (4)
ART 4808 Directed Reading 1-4)
ART 4930T Selected Topics In Art 2-4)
ART 4955T Senior Projects (2)
ART 4970C Senior Thesis (3)
ART 5125C Ceramics (4)
ART 5340C Drawing (4)
ART 5422C Lithography (4)
ART 5472C Intaglio (4)
ART 5536C Painting (4)
ART 5730C Sculpture (4)
ART 5910 Research (1-4)
ART 5936 Studio Techniques: Selected Projects (2)
FIL 2001 Film: The Language Of Vision 6A FA (4)
FIL 3201C Beginning Film (3)
FIL 3510 World Cinema FA (4)
FIL 4202C Advanced Film (3)
FIL 5206C Cinematography (3)
PGY 2401C Beginning Photography (3)
PGY 3939C Special Topics: Photography (3)
PGY 4420C Advanced Photography (3)
PGY 5425C Photography (4)

ART EDUCATION

ARE 3044 Experiential Basis of Artistic Mind (3)
ARE 3354 Art Teaching Strategies I (3)
ARE 4037 Senior Seminar in Art Education (3)
ARE 4112 Education Through Crafts (3)
ARE 4313 Art for the Child and You (2)
ARE 4440 Art Teaching Strategies II (3)
ARE 4443 Crafts Workshop in Art Education (3)
ARE 4642 Community Arts (3)
ARE 4909 Directed Study: Art Education (1-3)
ARE 4940 Internship: Art Education (1-12)

DANCE

DAA 2100 Fundamentals Of Modern Dance (2)
DAA 2105 Modern Dance I (2)
DAA 2206 Fundamentals Of Ballet (2)
DAA 2500 Fundamentals Of Jazz Dance (2)
DAA 2504 Jazz Dance (2)
DAA 2506 Theatre Dance Styles (2)
DAA 2570 Jazz Theatre Dance (3)
DAA 2760 Tai Chi (2)
DAA 2761 Introduction To Yoga (2)
DAA 3108 Modern Dance II (3)
DAA 3108 Modern Dance III (3)
DAA 3208 Ballet II (3)
DAA 3209 Ballet III (3)
DAA 3294 Ballet Variations (2)
DAA 3394 World Dance Topics (1)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 3648 Dance Improvisation (2)
DAA 3654 Repertory (1)
DAA 3668 Performance (1)
DAA 4111 Modern Dance IV (4)
DAA 4211 Ballet IV (4)
DAA 4404 Movement Analysis (2)
DAA 4616 Choreography III (2)
DAA 4617 Choreography IV (2)
COLLEGE OF FINE ARTS  191

DAA 4694 Senior Choeography Project
DAA 4620 Dance Studies
DAE 3351 Ethnic/Folk Dance
DAE 4300 Dance Pedagogy: Theory and Practice
DAE 4310 Dance Pedagogy: Pre-School to Elementary
DAE 4340 Dance Pedagogy: Secondary Curriculum
DAE 4397 Special Studies Dance Education
DAE 4936 Senior Seminar in Dance Education
DAE 4940 Internship in Dance Education
DAN 2100 Introduction To Dance 64 FA
DAN 2160 Seminar Entry
DAN 2610 Music For Dance
DAN 3420 Introduction to Laban Movement Analysis
DAN 3494 Practice In Dance Production
DAN 4134 Dance History Though the 19th Century 6A XLW
DAN 4135 20th Century Dance XMW
DAN 4140 Dance Senior Seminar
DAN 4784 Specialized Study in Movement Theory and Body Alignment
DAN 4905 Directed Reading
DAN 4906 Directed Study
DAN 4930 Selected Topics In Dance

FINE ARTS INTERDISCIPLINARY
IDS 3682 Arts Connections FA
IDS 3683 Critical Issues Affecting the Arts MV

MUSIC
MUC 2221 Composition
MUC 2301 Introduction To Electronic Music
MUC 3231 Composition
MUC 3401 Electronic Music-Analogy Synthesis I
MUC 3402 Electronic Music-Analogy Synthesis II
MUC 3441 Electronic Music-Digital Synthesis I
MUC 3442 Electronic Music-Digital Synthesis II
MUC 4241 Composition
MUC 4403 Electronic Music-Real-Time Performance I
MUC 4404 Electronic Music-Real-Time Performance II
MUC 4531 Seminar In New Musical Systems
MUC 4620 Jazz Composition
MUC 5625 Jazz Composition
MUE 2090 Theoretical Bases Of Music Education
MUE 2450 Beginning Woodwind Techniques
MUE 2460 Beginning Brass Techniques
MUE 3421 Choral Materials Practicum
MUE 3422 Band Materials Practicum
MUE 3423 Orchestra Materials Practicum
MUE 3451 Advanced Woodwind Techniques
MUE 3461 Advanced Brass Techniques
MUE 4210 Music For The Child
MUE 4311 Music In The Elementary School
MUE 4321 Foundations Of Choral Music
MUE 4330 Classroom Music In The Secondary School
MUE 4331 Choral Methods In The Secondary School
MUE 4332 Instrumental Music In The Secondary School
MUE 4352 Foundations Of Instrumental Music
MUE 4480 Marching Band Techniques
MUE 4936 Senior Seminar In Music
MUE 4940 Internship: Music Education
MUG 3104 Basic Conducting
MUG 4302 Instrumental Conducting
MUM 2051 Folk And Traditional Music Of World Cultures FA AF
MUM 2632 Music In The United States FA
MUM 3016 Survey Of Jazz FA
MUM 3300 Music History/Medieval And Renaissance
MUM 3301 Music History/Baroque And Classic MV
MUM 3302 Music History/Romantic And 20th Century MW
MUM 4058 Intercultural Music In The Twentieth Century MW
MUM 4801 History Of Jazz
MUL 2111 Introduction To Music Literature 6A HP FA
MUL 3001 Issues In Music FA AF
MUL 3012 Music In Your Life FA
MUN 1100 University Pep Band
MUN 1110 University Marching Band
MUN 3143 Wind Ensemble
MUN 3213 University Orchestra
MUN 3313 University Singers
MUN 3343 Chamber Singers
MUN 3383 University-Community Chorus
MUN 4311 String Quartet
MUN 3420 Saxophone Ensemble

MUN 3421 Flute Choir
MUN 3424 Woodwind Quintet
MUN 3431 Brass Quintet
MUN 3432 Horn Quartet
MUN 3433 Brass Choir
MUN 3443 Percussion Ensemble
MUN 3444 Marimba Ensemble
MUN 3453 Piano Ensemble
MUN 3473 Collegium Musicum
MUN 3715 Jazz Ensemble
MUN 3714 Jazz Chamber Ensemble
MUS 3503 Opera Workshop
MUS 2010 Recital Attendance
MUS 3201 Language Division For Singers
MUS 4900 Directed Reading
MUS 4905 Directed Study
MUS 4930 Selected Topics In Music
MUS 4935 Music Senior Seminar
MUS 5905 Directed Study
MUT 1001 Rudiments Of Music
MUT 1111 Music Theory
MUT 1112 Music Theory II
MUT 1241 Aural Theory I
MUT 1242 Aural Theory II
MUT 2116 Music Theory I
MUT 2117 Music Theory II
MUT 2246 Advanced Aural Theory I
MUT 2247 Advanced Aural Theory II
MUT 2641 Jazz Theory And Improvisation I
MUT 2642 Jazz Theory And Improvisation II
MUT 3353 Jazz Composition and Arranging I
MUT 3354 Jazz Composition And Arranging II
MUT 3660 Advanced Jazz Improvisation I
MUT 3664 Advanced Jazz Improvisation II
MUT 4311 Orchestration I
MUT 4312 Orchestration II
MUT 4411 Sixteenth Century Practice
MUT 4421 Eighteenth Century Practice
MUT 4571 Twentieth Century Practice
MUT 5051 Graduate Review Of Music Theory
MVB 1211 Applied Trumpet
MVB 1212 Applied French Horn
MVB 1213 Applied Trombone
MVB 1214 Applied Euphonium
MVB 1215 Applied Tuba
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THEATRE

THE 2020 Introduction to Theatre (3)
THE 2305 Script Analysis (3)
THE 3090C Modern Theatre Practice 6A (4)
THE 3110 Theatre History I MW (3)
THE 3111 Theatre History II MW (3)
THE 4180 Theatre Origins 6A MW LW (3)
THE 4254 History Of Costume (3)
THE 4256 Architecture And Decor (3)
THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200). 6A MW LW (3)
THE 4330 Shakespeare For The Theatre 6A MW LW (3)
THE 4360 The 19th Century Theatre Revolution 6A LW (3)
THE 4401 O'Neill And After 6A MW LW (3)
THE 4434 Caribbean Theatre 6A MW LW (3)
THE 4435 Theatre Of Pluralism 6A MW LW (3)
THE 4442 Comedy Of The Classic And Neo-Classic Stage 6A LW (3)
THE 4480 Drama-Special Topics (3)
THE 4562 Contemporary Performance Theory 6A MW LW (3)
THE 4593 Honors Seminar (2)
THE 4594 Honors Practicum (3)
THE 4595 Honors Thesis (1-3)
THE 4905 Directed Studies (1-4)
THE 4930 Selected Topics In Theatre (1-8)
THE 5909 Directed Studies (1-6)
THE 5931 Selected Topics In Theatre (1-8)
TPA 2200 Introduction to Technical Theatre I (3)
TPA 2211 Introduction to Technical Theatre II (3)
TPA 2248 Workshop In Stage Makeup (1)
TPA 2290L Technical Theatre Lab I (1)
TPA 2291L Technical Theatre Lab II (1)
TPA 2292 Production Involvement I (1)
TPA 3007 Introduction to Design I (3)
TPA 3008 Introduction to Design II (3)
TPA 3208 Drafting and CAD I (3)
TPA 3221 Lighting: Theory And Practice (3)
TPA 3231 Costume Construction (3)
TPA 3251 Drafting and CAD II (3)
TPA 3265 Sound For The Stage (3)
TPA 3296 Design Practicum (2)
TPA 3601 Stage Management (2)
TPA 3840 Puppetry Performance And Production (4)
TPA 4011 Design Studio I (3)
TPA 4012 Design Studio II (3)
TPA 4013 Design Studio III (3)
TPA 4077 Scene Painting (2)
TPA 4273 Stage Properties: Techniques And Materials Studio (2)
TPA 4293 Production Involvement II (1)
TPA 4298 Advanced Design Practicum (3)
TPP 2110 Voice-Body-Improvisation (3)
TPP 2190 Studio Theatre Performance I (1)
TPP 2500 Body Disciplines (2)
TPP 3121 Improvisation I (3)
TPP 3155 Scene Study I (3)
TPP 3230 Laboratory Workshop In Performance (3)
TPP 3580 Special Skills In Movement (2)
TPP 3790 Voice Preparation For The Actor (3)
TPP 3920 Acting Studio I (8)
TPP 3921 Acting Studio II (8)
TPP 4140 Styles Of Acting (3)
TPP 4180 Advanced Scene Study (3)
TPP 4193 Studio Theatre Performance II (1)
TPP 4220 Audition Workshop for Actors (2)
TPP 4258 Advanced Design Practicum (3)
TPP 4310 Directing I (3)
TPP 4311 Directing II (3)
TPP 4600 Writing For The Theatre (3)
TPP 4920 Senior Workshop For Actors (3)
TPP 4923 Music Theatre Workshop (3)

THEATRE EDUCATION

EDG 4320 Introduction to Creative Drama (3)
THE 4761 Methods of Teaching Theatre for Adolescents (3)
• **MARINE SCIENCE (MSC)**

Although the College of Marine Science does not offer an undergraduate degree, graduate courses in the college are open to advanced undergraduates in other natural science disciplines. In addition, the college has recently increased the number of courses specifically geared for undergraduates; consult the Schedule of Classes for course titles currently being offered. Some Marine Science courses are available on all campuses by means of distance learning.

The College of Marine Science (CMS) at the University of South Florida offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in Oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 28 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and facilities is available at the CMS web site (http://www.marine.usf.edu) and from the college upon request.

The college's location on St. Petersburg's Bayboro Campus allows immediate access to Tampa Bay and the Gulf of Mexico; Bayboro Harbor is home port to the R/V Bellows (71 ft.) and the R/V Suncoaster (110 ft.). These vessels are operated by the Florida Institute of Oceanography (FIO) for the entire State University System. One of the college's principal buildings is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Fish and Wildlife Conservation Commission. A newly occupied research building is shared by CMS and FMRI and houses a remote-sensing, satellite data-acquisition center.

The U.S. Geological Survey (USGS) center for Coastal Geology and Regional Studies, the office of the Tampa Bay National Estuary Program, FMRI, and the College of Marine Science are all located on the Bayboro Campus. Consequently, St. Petersburg is home to one of the largest concentrations of marine scientists in the southeastern United States; many of these scientists serve on advisory committees of CMS graduate students.

For more information about CASMAR, check the CAS website or call (813) 974-6916 or send an email to casmar@chumas1.cas.usf.edu.

**Marine Science Faculty**

NEW COLLEGE OF USF
UNIVERSITY OF SOUTH FLORIDA · 2001/2002 UNDERGRADUATE CATALOG

Location/Phone: USF Sarasota-Manatee Campus, 5700 N. Tamiami Trail, Sarasota, FL 34243, (941) 359-4200
Web Address: http://www.newcollege.usf.edu/

Program Application Requests: New College Office of Admissions, (941) 359-4269 or address listed above.

New College of the University of South Florida, located on USF’s Sarasota-Manatee campus, is a distinguished residential honors college. It offers a nationally recognized liberal arts education at regular state tuition rates.

The New College student/faculty ratio is approximately 11:1; ninety-eight percent of the faculty hold earned doctorates. Students work closely with faculty members in small classes, tutorials, and on individual projects.

Admission is highly selective. New College looks for students who have demonstrated above average ability, academic motivation and self-discipline. Over half the students are from Florida.

New College offers students a level of faculty support and facilities for study generally found only at very expensive private colleges. This is possible because the gap between public funding and the actual cost of a New College education is closed by annual grants to the University from the New College Foundation. The Foundation also raises substantial scholarship funds for meritorious students.

Educational Program

The New College degree is awarded for intensive, individualized study in the liberal arts and sciences. Classes, tutorials and independent study projects are tools the student, with faculty guidance, uses to discover and pursue intellectual and career interests. Study at New College culminates in a senior thesis and baccalaureate examination in the student’s chosen area of concentration.

New College offers excellent academic facilities. A $6.1 million library opened on the campus in 1986, housing a collection presently numberd at over 250,000 volumes. The library is linked through inter-library loan to the USF system of over 1.5 million volumes, and to a network of thousands of other libraries. It also subscribes to computerized data bases that extend its reach beyond the region. The New College Natural Sciences laboratories, open to students around the clock, feature many research-grade instruments, including a scanning electron microscope. Entirely new natural sciences and mathematics facilities opened in mid-2000. An annex dedicated to marine biology will open during the 2000-2001 academic year.

Campus-based studies can be supplemented by off-campus field research and internships, and by study abroad. New College participates in the Florida State University Study Centers in London and Florence, as well as in other programs, including USF’s International Student Exchange.

Areas of Study

All studies at New College lead to the Bachelor of Arts. Students may concentrate in a specific discipline or they may design, with faculty approval, an interdisciplinary concentration. The faculty offers the following areas of study: Anthropology, Art History, Biology, Chemistry, Classics, Economics, Environmental Studies, Fine Arts, Gender Studies, History, International and Area Studies, Languages, Literature, Mathematics, Medieval & Renaissance Studies, Music, Philosophy, Physics, Political Science, Psychology, Public Policy, Religion, Sociology, Theatre, Urban Studies.

Elementary through advanced studies in French, German, Russian, Spanish, Latin and Greek language and literature are available.

Study at New College leads to a wide range of careers. Graduates from New College go to medical, dental and law school. A large number do graduate work in the arts and sciences, leading to teaching, research and careers in government and industry. Others obtain advanced degrees in business, education, religion and architecture. Those not going on for advanced degrees have launched successful careers in journalism, fine arts, retailing, management, finances, environmental planning and a host of other fields. Quite a few have become entrepreneurs, founding businesses of their own based on skills acquired while students.

Academic Calendar and Residence Requirements

The New College calendar consists of two 15-week semesters and a four-week independent study period in January. Fall semester begins in late August and ends just before the Christmas holiday. Spring semester begins the first week in February and ends in late May. Enrollment at New College is full-time.

Students may complete the degree in seven semesters (three and one-half years) as a result of New College’s longer academic year and the advanced nature of the program. Three Independent Study Projects are carried out during January and/or the summer recess. Students may register for up to two additional semesters if their academic programs require it; they may also take up to two semesters of academic leave during their tenure at New College without loss of scholarship support. All students must complete a senior thesis and pass a baccalaureate examination based primarily upon the senior thesis.

Transfer students may have the number of semesters required for graduation reduced through the awarding of transfer credit for college-level work done elsewhere. The maximum allowable transfer credit is equivalent to three semesters and one independent study project.

Admissions Requirements

New College actively seeks those students who will benefit most from the demanding academic program and flexible curriculum. The college looks for evidence of intellectual potential, strong academic preparation, self-motivation and initiative, tenacity, curiosity, and concern for others.

Applicants must submit a State University System application, New College supplementary application, official high school transcript, SAT or ACT scores, a graded research paper from an English or history class, teacher’s recommendation, and counselor recommendation. New College also welcomes transfer applicants from Florida’s two year community colleges as well as from other colleges and universities throughout the United States. Transfer applicants must submit transcripts from all colleges or universities they have attended.

New College tuition is the same as for other institutions within the State University System.

Both need-based financial aid and achievement-based scholarships are available to New College students, and about 67% of the students receive some type of direct financial assistance. Students must apply for need-based aid. Achievement scholarships are awarded by the New College Admissions Office to those students the college believes will make an outstanding contribution to the New College community.

All New College Admissions Office processes applications on a rolling basis, with decisions beginning in September. The Free Application for Federal Student Aid should be completed and submitted as soon as possible after January 1.

Student Life

New College is a residential college, with the majority of its students living on campus or in adjacent neighborhoods. All students attend full-time. Students are challenged to accept major responsibilities for the direction of their own affairs, including their social and extra-curricular activities. The Student Affairs Office, through its professional staff, is responsible for personal counseling, housing, health services, and other support services.

All first-year students live on campus and participate in the community dining plan. Upper-class students may choose college or non-college housing. A medical plan gives students access to a physician.
COLLEGE OF NURSING
UNIVERSITY OF SOUTH FLORIDA - 2001/2002 UNDERGRADUATE CATALOG

The College of Nursing is committed to the advancement of nursing and the promotion of health care though its education, research and service endeavors. To fulfill its commitment to nursing education, the college offers an upper division program that leads to a Bachelor of Science degree with a major in nursing.

Mission

The mission of the College of Nursing is congruent with the mission of the University of South Florida. The College is dedicated to being the premier institution for those striving to achieve leadership in nursing. The mission is (1) to provide excellent nursing education, (2) to advance the profession through research, and (3) to contribute to society through practice and service.

Philosophy

The College of Nursing is committed to improving the health and well-being of all people by anticipating and responding to changing professional, social, technical and economic demands. Nurses address professional and community needs by assuming multiple collaborative and cooperative relationships and roles.

Nursing is a humanistic profession that enhances the quality of life by promoting health, preventing illness, supporting rehabilitation following illness and providing care for persons at the end of life. All individuals are entitled to health care and the right to participate in making health care decisions.

Nursing is a continually evolving discipline with a unique body of knowledge. Nursing knowledge is advanced through the application of critical thinking, the development and testing of theories, and the conduct and utilization of nursing research.

Intellectual growth and professional autonomy are fostered through the continuum of educational programs in nursing. The Baccalaureate Program prepares students to enter professional practice and provides a foundation for graduate education. The Master's Program prepares students for advanced specialty practice. The Doctoral Program prepares nurse scientists to advance the discipline of nursing through the development and dissemination of knowledge.

The College strives to provide opportunities for students and faculty to engage in common inquiry into the values of society and gives them an understanding of the need to accept and appreciate differences among people. Diverse and pluralistic learning communities foster culturally competent and sensitive practice. The College supports community, national and international partnerships in practice, education, and research to enhance the health of all people.

Education is a dynamic, interdependent and collaborative process that occurs through the interaction of faculty and students in a wide variety of learning environments. Faculty design learning environments and resources that employ diverse educational strategies and technologies. Various instructional methods, including distance education, provide educational access for a geographically dispersed student body. Learning is a life-long process. Students are active and engaged participants in the teaching/learning process that involves the continuous development and refinement of critical thinking.

Undergraduate Nursing Program

General Information

To fulfill its commitment to nursing education, the college offers an upper division program that leads to a Bachelor of Science degree with a major in nursing. The undergraduate program in nursing is a limited access upper division major at the University of South Florida. The program has two sequences: one for qualified basic students with no previous preparation in nursing and one for qualified registered nurse students who are graduates of an associate degree or diploma program in nursing. For further information about programs, scholarships, financial aid, faculty, and courses, consult the College of Nursing website at http://www.hsc.usf.edu/nursing/

The program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway, New York, NY 10006, (212) 363-5555 ext. 153, the Commission on Collegiate Nursing Education, One Dupont Circle, NW Suite 530, Washington, DC, 20036, (202) 887-6791, and approved by the Florida State Board of Nursing. Graduates of the basic sequence are eligible to write the qualifying examination for licensure as a registered nurse. Graduates may apply for licensure in Florida or other states and successful undergraduates have the educational background necessary for graduate study in nursing.

Undergraduate Admission to the College of Nursing

The College of Nursing encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. The College of Nursing uses selective criteria for the admission of students. Limitations on enrollments are determined on the basis of availability of sufficient qualified faculty, laboratory and classroom facilities, and clinical teaching resources.

There are two sequences to the undergraduate program, one for qualified students with no previous preparation in nursing (non-licensed students), and one for registered nurses, who are graduates of diploma or associate degree nursing programs. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

In order to be considered for full admission to the college, the applicant must:
1. Submit an application to USF by the appropriate deadline.
2. Submit a College of Nursing application and all supporting materials, including official transcripts, to the College by the appropriate deadline.
3. Complete, prior to enrollment, all state mandated common prerequisites with a grade of "C" or better (for non-licensed baccalaureate students only, completion by application deadline is advised). (See “Program of Study” below.)
4. Complete, prior to enrollment, all Liberal Arts courses required for admission to the major (for non-licensed baccalaureate students only, completion by application deadline is advised). (See “Liberal Arts Requirements.”)
5. Complete all courses required for admission with not more than two (2) repeated courses and not more than one (1) repeat of any given course.
6. Complete the College Level Academic Skills Test (CLAST) or equivalent and the writing and computation course requirements of 6A-10.30 (Gordon Rule).
7. Complete an approved cardiopulmonary resuscitation (BCLS) course prior to enrollment.
8. Provide evidence of health insurance prior to enrollment.
9. Complete prior to enrollment the College of Nursing health form.
10. Provide evidence of current licensure in Florida if enrolling in the program as a registered nurse.

Nursing Advising

The College of Nursing Office of Student Affairs offers a comprehensive service for all College of Nursing degree programs and advice to non-majors who are interested in being admitted. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.
The goals of the office of Student Affairs are to:

- Help students develop their educational plans
- Help students select appropriate courses
- Help students interpret institutional requirements
- Facilitate total student development

Location/Phone(s): The Health Science Center for the College of Nursing (MDN) is located near Bruce B. Downs Blvd. and West Holly Drive on the northwest corner of campus. The College offices in MDN, Room 1033, (813) 974-2191.

Advising Offices:

Tampa Campus: College of Nursing Office of Student Affairs, (MDN) Room 1036, (813) 974-9305; (888) 974-9488 (in state only)

St. Petersburg Campus: Bayboro Hall (BAY), Room 119, (727) 553-3130.

Sarasota Campus: Sarasota Memorial Hospital, 1950 Arlington St., Suite 323, (941) 917-1296.

Lakeland Campus: Student Services Office (LLC), Room 210, (800) USF-5836 (in state only), (863) 667-7000

Pasco Teaching Site: (727) 847-2727 ext. 3262 or (813) 974-9585.

Office Hours: 8 a.m. – 5 p.m., Monday through Friday. Some advising offices on regional campuses are open before 9 a.m. or until 6, Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

Program Application Requests: Applications for the Nursing program are available from USF College of Nursing, Office of Student Affairs, MDC Box 22, 12901 Bruce B. Downs Blvd., Tampa, Florida 33612-4766 and at the College of Nursing web site: http://www.hsc.usf.edu/nursing.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:

The University and the College of Nursing work closely with the community colleges within the 10 county USF service area. The University’s Liberal Arts requirements and College of Nursing’s prerequisite/support courses may be completed through the A.A. degree at the community college. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The A.A. degree satisfies admission requirements only if courses are carefully selected and include the required major prerequisite/support courses.

The College of Nursing requires certain courses within the Liberal Arts requirement for the natural, social and behavioral sciences, and mathematics as listed under the heading “Liberal Arts Requirements.” Students must complete the prerequisite courses listed below prior to being admitted to the upper-division major. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

BSC X085C Human Anatomy & Physiology I or any Human Anatomy & Physiology I course, 3-4 semester hours

BSC X086C Human Anatomy & Physiology II or any Human Anatomy & Physiology II course, 3-4 semester hours

CHM XXXX Comprehensive General Chemistry (CHM 1032 or higher), 4-6 semester hours

DEP X004 Human Growth & Development or any Human Growth & Development course, 3 semester hours

HUN X201 Human Nutrition or any Human Nutrition course, 3 semester hours

MCB X010C Microbiology or any Microbiology course, 4 semester hours

PSY X012 Introduction to Psychology or any General Psychology course, 3 semester hours

STA X014 Statistics or any Statistics course, 3 semester hours

SYG X000 Introduction to Sociology or any Introduction to Sociology course, 3 semester hours

LIBERAL ARTS REQUIREMENTS

The College of Nursing requires certain courses within the Liberal Arts requirements for the natural, social and behavioral sciences, and mathematics. Students must complete 60 semester hours of college-level work. Credit received on the basis of CLEP or Advanced Placement examinations or other appropriate procedures may be included to meet some of these requirements. For all students, the required 60 semester hours includes completion of the University of South Florida Liberal Arts requirements and may be satisfied by the completion of the following courses with the corresponding credit:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Math - Gordon Rule course</td>
<td>6</td>
</tr>
<tr>
<td>Algebra or Finite Math (preferred)</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy/Physiology</td>
<td>6-8</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>9</td>
</tr>
<tr>
<td>Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>6</td>
</tr>
<tr>
<td>African, Latin American, Middle Eastern, Asian Perspectives</td>
<td>3</td>
</tr>
</tbody>
</table>

3. Students with a Florida community college A.A. degree (other than in nursing) will be considered to have met all of the USF Liberal Arts requirements but also must meet specific college requirements (below).

4. Students must also meet the University requirement for foreign language.

Preliminary Coursework for Nursing Students

The student must: 1) earn a grade of "C" or better in each state mandated common prerequisite course, 2) repeat no course more than once, 3) repeat no more than two (2) courses. Courses taken at another institution will be evaluated individually on the basis of content. Students in Florida community colleges can obtain information about equivalent courses from their counselors or by contacting the College of Nursing Office of Student Affairs (813)-974-9305.

1. Mathematics/Quantitative Methods: completion of at least one course in mathematics that meets the Gordon Rule requirement and one course in statistics.

   Mathematics - one Gordon Rule course must be completed. College Algebra or Finite Math preferred. CLEP subject exams are acceptable.

   Statistics - one course in statistics must be completed with a grade of "C" or better. STA 2122 or any STA course

2. Natural Sciences: minimum of 16 semester credits (including anatomy, physiology, and microbiology). Each course (in "a" through "d" below) taken toward meeting the natural sciences requirement must be completed with a grade of "C" or better. At least one course must include a laboratory or have a corequisite laboratory course.

   a) Chemistry - 4 semester credits. Courses should include content in 1) principles of chemistry, 2) structure of matter, 3) atomic and molecular structure, 4) states of matter, 5) chemical formulas and nomenclature, 6) solutions, 7) chemical kinetics and equilibrium, 8) theory and practice of quantitative analysis, 9) organic chemistry. *CHM 2030 (4 credits) or CHM 2045, 2045L can be met with CLEP/Advanced Placement Chemistry, or non-science majors.

   b) Microbiology - one course. MCB 3030C. The Regents examination in microbiology is acceptable for registered nurse students only.
c) Anatomy and Physiology - 6 semester hours. The Regents examination in anatomy and physiology is acceptable for registered nurse students only.

d) Nutrition - one course. HUN 2201. College of Nursing Challenge Examination or University of Florida correspondence course is acceptable.

3. Social Sciences: Each course taken toward meeting this requirement must have been completed with a "C" or better.

Human Growth and Development (Life Span) - Must include birth through aging process to death. HUS 4020, DEP 4005 or DEP 3103 and GEY 3000. Must be completed with a "C" or better.

Students who enroll at USF in the lower division must meet the requirements for admission to the University and are advised by Academic Support and Achievement. These students may also wish to meet with a College of Nursing advisor. These students must also submit an application for admission to the College of Nursing for the upper division major. Applicants for the major (the non-licensed sequence or the RN sequence) must submit applications to both the University and the College of Nursing by the appropriate deadline dates and complete the University’s Liberal Arts requirements and College of Nursing prerequisites/support courses. These can be completed on the Tampa campus by enrolling in the lower division, or at any community college, university, or college that offers equivalent courses prior to transfer to USF (see “Program of Study” information below).

• NURSING PROGRAM (NON-LICENSED)

The non-licensed sequence is designed so that students who have completed the prerequisite/support courses can enroll in the nursing major and complete requirements for the degree in four semesters and a summer session of full-time study on the Tampa campus.

Non-licensed students are admitted in the Fall and Spring semesters. The deadline for application to the College is January 15 and May 1 respectively. The grade point average for admission is calculated using grades in all undergraduate courses taken including repeats. Priority will be given to individuals who have completed all prerequisites by the application deadline.

NURSING COURSES - NON-LICENSED BACCALAUREATE SEQUENCE

Non-licensed Baccalaureate students meet the following courses in the five semester sequence:

JUNIOR YEAR (2 SEMESTERS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3113</td>
<td>Culture of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3114</td>
<td>Introduction to Clinical Judgement</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3114L</td>
<td>Introduction to Clinical Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3064C</td>
<td>Health Assessment Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3829</td>
<td>Ethical &amp; Legal Aspects in Nursing &amp; Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology in Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3215</td>
<td>Adult Health I</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3215L</td>
<td>Clinical Practice in Adult Health II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3284C</td>
<td>Gerontological Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

SENIOR YEAR (3 SEMESTERS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4216</td>
<td>Adult Health II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4216L</td>
<td>Clinical Practice in Adult Health II</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4165</td>
<td>Nursing Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4041</td>
<td>Culture in Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4616</td>
<td>Family Health</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4616L</td>
<td>Clinical Practice in Family Health</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4636</td>
<td>Community Health</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4636L</td>
<td>Clinical Practice in Community Health</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4765C</td>
<td>Rehabilitation Across the Life Span</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4838</td>
<td>Leadership/Management</td>
<td>3</td>
</tr>
</tbody>
</table>

NUR 4525 | Psychiatric/Mental Health | 2 |
NUR 4525L | Clinical Practice in Psychiatric/Mental Health | 1 |
NUR 4766 | Critical Care | 2 |
NUR 4948L | Preceptorship | 3 |

In addition to the requirements listed above, a minimum of 6 credits in upper division electives or exit requirements as determined by academic advisor and 4 credits in nursing electives will be required for graduation. Planning with an academic advisor prior to enrollment in upper-level electives is strongly recommended.

• NURSING PROGRAM (FOR REGISTERED NURSES)

The registered nurse sequence is designed so that registered nurses can enroll in the nursing major on a full-time or on a part-time basis at Tampa and on specific university campuses. Registered nurses who enroll as full-time students may complete requirements for the bachelor's degree in three semesters. If they enroll as part-time students, the degree requirements can be completed in six semesters. Registered nurse students are admitted to the College each semester and may apply according to University admission deadlines. Registered nurse students desiring to transfer from other nursing programs are eligible for admission to the College on a space available basis. To be considered for transfer into the nursing major, applicants must meet University eligibility requirements. Registered nurse students are admitted to the College contingent upon completion of transcript evaluation and completion of admission requirements.

For more specific information contact the College of Nursing, Office of Student Affairs for overall requirements (974-8305) or visit the College of Nursing web site at http://www.hsc.usf.edu/nursing.

NURSING COURSES - REGISTERED NURSE SEQUENCE

Registered nurse students will take the following courses within the non-licensed baccalaureate sequence.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3064C</td>
<td>Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3113</td>
<td>Culture of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3114</td>
<td>Introduction to Clinical Judgement</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3829</td>
<td>Ethical/Legal Aspects in Nursing &amp; Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4041</td>
<td>Culture in Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4636</td>
<td>Community Health</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4636L</td>
<td>Clinical Practice in Community Health</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4165</td>
<td>Nursing Inquiry</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4765C</td>
<td>Rehabilitation Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4766</td>
<td>Critical Care</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4838</td>
<td>Leadership/Management</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4948L</td>
<td>Preceptorship</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition to the requirements listed, a minimum of at least 6 credits in upper division electives or exit requirements as determined by academic advisor and at least four (4) credits in nursing electives (NUR 4935, Selected Topics in Nursing and/or NUR 4905C. Independent Study in Nursing can be used in addition to regularly approved electives) are required for graduation.

CONDITIONAL ADMISSION POLICY FOR REGISTERED NURSES

RN students may be admitted conditionally to the College of Nursing. Students may enroll in the appropriate sequence of the following selected courses while completing the prerequisite requirements. Nursing courses for the RN Sequence for students seeking the BS degree are listed below are in the preferred sequence for enrollment:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3113</td>
<td>Culture of Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3114</td>
<td>Introduction to Clinical Judgement</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3064C</td>
<td>Health Assessment Across the Life Span</td>
<td>3</td>
</tr>
</tbody>
</table>

NUR 3113 | Culture of Nursing | 2
Undergraduate Program Objectives
APON GRADUATION, GRADUATES WILL . . .

1. Use concepts, principles, theories, and models from the natural and social sciences; the arts and humanities; and the art and science of nursing to guide clinical practice.
2. Use critical thinking and clinical judgment as the basis for nursing practice in providing and coordinating care for individuals, families, and communities across the lifespan in health promotion, disease prevention, health restoration and rehabilitation.
3. Demonstrate understanding of the research process by integrating clinical data and research findings into nursing practice.
4. Interact with other health care professionals, clients and consumers as advocate, teacher, collaborator, communicator, manager, and professional leader to plan, provide, and evaluate essential health services for culturally diverse and vulnerable populations.
5. Examine the impact of health care policy on the health care delivery system within a variety of settings.
6. Practice within the ethical/legal parameters of professional nursing.
7. Demonstrate the potential for leadership within the profession and health care delivery system.
8. Demonstrate accountable behavior in the professional nursing role.

CLEP Examinations
In accordance with University policies, College Level Examination Program (CLEP) general and subject examinations may be taken in several areas and according to the University or community college policies related to CLEP. The CLEP general examinations apply toward the distribution requirements at USF, and successful performance results in credit for any or all of the required areas. In addition, credit may be earned for a number of College of Nursing support courses, including: English Composition ENC 1101, 1102; General Chemistry CHM 2030 or CHM 2045, 2045L. Additional information may be obtained from the Office of Evaluation and Testing, University of South Florida, (974-2741, SVC 2054).

Regents and College of Nursing Examinations
Successful completion of the following examination(s) can be used to fulfill course requirements as designated below:

Registered nurses who are graduates of diploma programs may receive up to 26 semester general elective lower level credits through successful completion of the Excelsior (formerly Regents) examinations in nursing. These credits do not apply toward meeting the University requirement of 40 upper level credits, or toward meeting the requirements of the upper level nursing major. The credits earned by passing the Excelsior examinations in nursing apply only to the B.S. degree with a major in nursing offered by the College of Nursing.

Registered nurses who are graduates of Florida associate degree programs will receive up to 26 semester upper level credits for their previous nursing education. Registered nurse students should contact the Office of Student Affairs for placement prior to enrollment. Graduates of other associate degree nursing programs may receive up to 26 credits after individual evaluation of their transcripts. Registered nurse students may earn up to 6 semester credits and fulfill the college’s requirement in anatomy and physiology through successful completion of the Excelsior examination in anatomy and physiology, and up to 3 credits in microbiology through successful completion of the Excelsior examination in microbiology. Regents examination information may be obtained from the Office of Student Affairs, College of Nursing.

Degree Requirements
Students will be certified for the Bachelor of Science degree with a major in nursing upon completion of 124 semester hours composed of Liberal Arts requirements, science support courses (natural, social/behavioral), required nursing courses, and upper level electives or exit requirements.

A minimum grade of "C" or better must be attained in each course in the major and cumulative grade point ratio of 2.0 or better must be maintained throughout the program. At least 40 semester hours must be upper level work (courses numbered 3000 or above).

ASN/MS Program
Registered nurses with an ASN degree have the option of selecting the ASN to MS degree program. Support/prerequisite courses are the same as for the ASN to BS option. Admission is through the undergraduate program. Planning with RN advisor will determine the nursing course requirements and progress through the program. The BS application process will be followed. Contact the Office of Student Affairs for further information (813-974-9195).

Nursing Faculty

Nursing Courses
HUN 2201 Nutrition (3)
NUR 3004C Health Assessment Across The Life Span (3)
NUR 3113 Culture of Nursing (2)
NUR 3114 Introduction to Clinical Judgment (3)
NUR 3114L Introduction to Clinical Practice (2)
NUR 3142 Pharmacology in Nursing Practice (3)
NUR 3215 Adult Health I (3)
NUR 3215L Clinical Practice in Adult Health I (3)
NUR 3244C Gerontological Nursing (2)
NUR 3259 Ethical/Legal Aspects in Nursing and Health Care MA (3)
NUR 4041 Culture In Nursing Practice (2)
NUR 4165 Nursing Inquiry (2)
NUR 4194 An Interdisciplinary Perspective in HIV Disease 6A MW LW (3)
NUR 4216 Adult Health II (3)
NUR 4216L Clinical Practice In Adult Health II (3)
NUR 4245 Wellness: Health Promotion and Maintenance of Health (2)
NUR 4395C Specialized Techniques In Child Health Assessment (3)
NUR 4525 Psychiatric/Mental Health (2)
NUR 4525L Clinical Practice In Psychiatric/Mental Health (1)
NUR 4616 Family Health (3)
NUR 4616L Clinical Practice In Family Health (3)
NUR 4636 Community Health (2)
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4636L</td>
<td>Clinical Practice in Community Health</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4643</td>
<td>Nursing Interventions into the Acute Effects of Drug and Alcohol Abuse</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4644</td>
<td>Nursing Interventions into the Rehabilitation of Clients who Abuse Substance</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4645</td>
<td>Substance Abuse Across the Lifespan</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4765C</td>
<td>Rehabilitation Across the Life Span</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4766</td>
<td>Critical Care</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4792</td>
<td>Sexually Transmitted Diseases And HIV Infection</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4838</td>
<td>Leadership/Management</td>
<td>(3)</td>
</tr>
<tr>
<td>NUR 4905C</td>
<td>Independent Study</td>
<td>(1-5)</td>
</tr>
<tr>
<td>NUR 4935</td>
<td>Selected Topics In Nursing</td>
<td>(2-8)</td>
</tr>
<tr>
<td>NUR 4948L</td>
<td>Preceptorship</td>
<td>(3)</td>
</tr>
</tbody>
</table>
As we enter the new millennium, public health looms large at the forefront of the world’s concerns. Population pressures, environmental problems, maternal and child health care, disaster management, new emerging diseases, behavioral challenges, health care management and cost containment demand solutions from the public health professional.

In meeting these challenges, the mission of the College of Public Health combines excellence in education, research and service to lead in health promotion and disease prevention in Florida and the global community. The USF College of Public Health is one of only 28 public health colleges in the nation and is fully accredited by the Council on Education for Public Health.

Undergraduate students who are seeking a career in public health can select to major in a broad range of Bachelor degree programs including engineering, business, social sciences, biological sciences, nursing, social work, pre-medicine, other allied health specialties or interdisciplinary degrees in order to be prepared for graduate work in the College. Pre-medical students seeking admission to medical school may want to consider also completing a Master’s degree in public health prior to application or admission to medical schools or as an alternative to clinical degrees. Undergraduate students may consider the Undergraduate Accelerated Entry Program for Master’s degree in Public Health Education which bypasses the Bachelor’s for the Master’s degree.

A new Fast Track for Honor ISS and INS students is available. Students in this track may select programs within one of the College’s four Departments: Community and Family Health, or Epidemiology and Biostatistics, or Environmental and Occupational Health, or Health Policy and Management.

The course of study and field experiences are designed to prepare health professionals with skills to develop, implement, manage and evaluate programs which focus on health, behavioral, legal, medical and economic factors. Interdisciplinary areas include the mapping and control of infectious and chronic diseases, environmental factors that effect populations, and the methods of providing care to targeted populations including those faced with geographic, financial, cultural and other access barriers. Public health is also concerned with finding cost-effective ways to keep health care costs down while assuring quality. Career opportunities are available in a variety of work settings including hospitals and ambulatory care facilities, managed care organizations, voluntary health agencies, public and private school systems, colleges and universities, local, federal and state health agencies, private industry and international health organizations.

Undergraduate students seeking careers in public health should refer to the College website: publichealth.usf.edu, contact the College advisor through the Internet: advisor@hsc.usf.edu to request the College of Public Health Career Guide. Review the broad range of professions and plan an undergraduate program that will meet the College’s admission requirements for graduate work. Learning opportunities are provided through advanced methods and technology. College courses are offered through traditional classroom methods, distance learning via satellite, internet, television, executive weekend programs, learning institutes, certificate and continuing education courses.

The College offers undergraduate courses to prepare students for the graduate criteria required for admission. USF undergraduate courses HSA 4120 “Introduction to Public Health” and HSC 4554 “Survey of Human Disease” (or their equivalent) are prerequisites to graduate study in public health. The College also offers undergraduate Selected Topics and Special Topics courses which target current issues in public health.

HSC 4933 Special Topics in Public Health, targets public health concerns and issues. Current Special Topics undergraduate courses include:

- The Health Care Market which examines the evolution, structure, financing and provision of medical and health services.
- Introduction to Water Resources Management which explores water quality, supply and the management and regulatory options for their control.
- Stress, Health and College Life which addresses the relationship between stress, as a multi-causal concept, health and disease and the recognition and prevention of an unhealthy level of stress;
- Medical Technology whose purpose is to familiarize the basic principles and vocabulary of medical terminology.

Master’s degrees include the Master of Public Health (MPH), a professional, non-thesis degree, the Master of Health Administration (MHA), the Master of Science of Public Health (MSPH), a research thesis degree, as well as the doctoral (PhD) degree.

**Undergraduate Accelerated Entry Program for Master’s Degree in Public Health Education**

The Department of Community and Family Health offers an accelerated entry program that enables qualified undergraduate students to enter the Master of Public Health (MPH) degree program with a concentration in Public Health Education following the completion of 90 semester hours of undergraduate study (usually the end of the junior year). It is recommended that students enroll in undergraduate programs related to the field of public health as noted above. The program emphasizes a multidisciplinary approach of developing strategies for the efficient utilization of health services, the adoption of self-care practices, and the promotion of healthier lifestyles. Full-time students are able to complete Master’s degree requirements in 2 to 2-1/2 years. Interested individuals are encouraged to contact a health education faculty advisor during the term in which they expect to complete 60 undergraduate semester hours.

Students seeking admission to the MPH accelerated degree program must have completed 90 undergraduate semester hours, achieved at least a 3.0 GPA or a combined verbal and quantitative score of at least 1000 on the GRE, and satisfied the CLAST and Gordon Rule 6A-10.30 requirements. Students interested in this program or other public health graduate fields should contact the Office of Student Services at the College of Public Health for a career guide and college catalog, (813) 974-6665 or e-mail advisor@hsc.usf.edu and refer to the College Website at publichealth.usf.edu.

**Fast Track for Honors ISS and INS Students**

Undergraduate students in Honors Interdisciplinary Social and Natural Sciences programs will be eligible to apply for admission to selected graduate degree programs in public health during their senior year. This fast track format will allow eligible seniors to complete up to 20 graduate credits in public health which will count toward the Bachelor’s degree as well as a Master of Public Health (MPH) or Master of Science in Public Health (MSPH). These graduate degrees vary from 30-44 credits (excluding field experience).

**Application for the Honors ISS and INS Students**

Application deadline for these programs is July 1 for guaranteed consideration. Applications will be accepted during the junior year. A minimum score of 1000 on the combined Q and V of the GRE, good standing in Honors program, senior status, and 3 letters of recommendation from undergraduate faculty are required. For further information, request the Fast Track for Honor Students brochure by e-mail from advisor@hsc.usf.edu.
Public Health Advising

Potential applicants should prepare at the undergraduate level for careers in public health. Undergraduate public health courses present a broad range of public health issues and are offered on campus and by Internet. These undergraduate courses can be selected as part of the student's approved planned program or as electives to prepare students for graduate classes. Except for the undergraduate student selecting the Accelerated Health Education program or the Fast Track for Honor ISS and INS program, all applicants should have completed or be in their last semester of completing the Bachelor's degree prior to applying to this College. Several departments accept the MCAT score in lieu of the GRE for admission. The GMAT may be submitted for the Department of Health Policy and Management. Advisors in the College assist undergraduate students with career planning and selecting undergraduate coursework. For specific information, request a College of Public Health Catalog and Career Guide followed by an appointment with the College advisor.

Advising Office: The College of Public Health is located facing Bruce B. Downs Boulevard at the Northwest corner of the USF Campus near the Fletcher Avenue intersection. Advising office is in the College of Public Health (CPH) Room 1011.

Call toll free 1-888-USF-COPH or locally (813) 974-6665 for the

Public Health Career Guide, a copy of the upcoming Schedule of Classes which can also be found on the web at: publichealth.usf.edu/schedule

Non-Degree Registration: Students who have completed the Bachelor's degree may register for up to 12 hours as "non-degree" students while in the process of preparing to apply to the College. Consult with the College's Director of Student Services, (813) 974-6665 for options, course selection and enrollment process.

Address: 13201 Bruce B. Down Blvd, Tampa, FL 33612-3805;
Mailpoint - MDC 56
Office Hours: 8am–5pm, Monday through Friday. Walk-ins are welcome but an appointment is recommended.

Email: advisor@hsc.usf.edu
Web Address: publichealth.usf.edu

Public Health Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAS 4120</td>
<td>Introduction to Public Health</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 2100</td>
<td>Contemporary Health Science SS</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 4541</td>
<td>Human Structure and Function</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 4554</td>
<td>Survey of Human Diseases</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 5319</td>
<td>Problems of School Age Population</td>
<td>(3)</td>
</tr>
<tr>
<td>HSC 2933</td>
<td>Selected Topics in Public Health</td>
<td>(1-6)</td>
</tr>
<tr>
<td>HSC 4933</td>
<td>Special Topics in Public Health</td>
<td>(1-6)</td>
</tr>
</tbody>
</table>
UNDERGRADUATE STUDIES

Location/Phone: SVC 2002; (813) 974-4051
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.ugs.usf.edu/ugs.htm

The Dean of Undergraduate Studies has overall responsibility to enhance the quality of the learning experience in undergraduate programs across all colleges and campuses of the University. The Dean supervises several units and undergraduate academic programs that are not the purview of a single school or college including the offices of Evaluation and Testing, International Student Exchange Program, Off-Campus Term Program, University Honors Program, Air Force ROTC Program, and Army ROTC Program and acts on recommendations from the Undergraduate Council, the Academic Regulations Committee, the Council on Academic Advising, and the Faculty Committee on Student Admissions. As the Director of Community College Relations, the Dean develops articulation agreements with community colleges, area school boards, and area high schools.

The Dean’s office is the University Student Ombudsman for undergraduate academic matters. The function of the Student Ombudsman is to handle student appeals concerning access to courses and credit granted toward the student’s degree. Students who wish to make an appeal should contact the Office of the Dean of Undergraduate Studies at SVC 2002, 974-4051 for further information.

The Dean is committed to providing vision and leadership in undergraduate education and to serving the needs of all undergraduate students including those with non-traditional and diverse backgrounds.

Air Force ROTC
Location/Phone: HMS 111; (813) 974-3367
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://cyber.acomp.usf.edu/airforce/

The Air Force Reserve Officers Training Corps (AFROTC) curriculum includes 12-16 course hours of instruction by active duty Air Force officers over a two- to four-year period. A student who completes the AFROTC program will receive an Air Force commission as a second lieutenant and is guaranteed a position in the active duty Air Force at a starting salary of approximately $28,000 per year.

AFROTC is offered as either a two- or four-year program. The four-year program normally requires a student to successfully complete all degree requirements for award of a bachelor’s degree, 16 course hours of AFROTC classes, and a four-week field training encampment between his/her sophomore and junior years. The two-year program serves students who do not enroll in AFROTC during their freshman and sophomore years the opportunity of taking AFROTC. Students should apply for the two-year program by December of the sophomore year. The student attends a five-week field training encampment in the summer prior to program entry. Upon entering the program, the students then complete all undergraduate degree requirements, and 12 credit hours of AFROTC courses.

ROTC students take a 1.8 hour non-credit leadership laboratory in addition to the academic classes. Students wear the Air Force uniform during these periods and are taught customs and courtesies of the Air Force. Leadership Laboratory is 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.

AFROTC 4, 3, and 2-year scholarships are available for eligible applicants. These scholarships pay all tuition, fees, books, and a $200 per month tax-free stipend. Non-scholarship students are eligible for the General Military Course Incentive, receive up to $1,500 in tuition. Non-scholarship students in the final two years of the program are eligible for the Professional Officer Course Incentive (POCI) and the monthly $200 tax-free stipend. Qualified POCI students receive up to $3,850 a year which covers tuition, fees, and books. Those interested in more information about scholarship criteria should contact the AFROTC Department.

Students interested in enrolling in the four-year or two-year programs can begin registration procedures through the ROTC office in HMS 111 or by registering for the appropriate “AFR” course through university registration. Veterans, active duty personnel, and graduate students are encouraged to inquire about special accelerated programs designed for them. The AFROTC phone number is (813) 974-3367.

Aerospace Studies Faculty
Professor: Lt Col Robert I. Connell; Assistant Professors: Capt Bob Ingraham, Capt Mack-Jan Spencer, Capt Michael Wilson.

Aerospace Studies Courses
AFR 1101 The Air Force Today: Organization And Doctrine (1)
AFR 1120 The Air Force Today: Structure And Roles (1)
AFR 2000 Enhanced Physical Fitness Training (0)
AFR 2001 Leadership Laboratory (0)
AFR 2130 U.S. Air Power: Ascension To Prominence (1)
AFR 2140 U.S. Air Power: Key To Deterrence (1)
AFR 3223 Air Force Leadership and Management I (3)
AFR 3231 Air Force Leadership and Management II (3)
AFR 4201 National Security Forces In Contemporary American Society I (3)
AFR 4211 National Security Forces In Contemporary American Society II (3)

Army ROTC (Reserve Officers’ Training Corps)
Location/Phone: HMS 115; (813) 974-4065
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.ugs.usf.edu/armotc/armotc.htm
Email Address: armotc@admin.usf.edu

The Department of Military Science for Army Reserve Officers Training Corps (ROTC) was established to select and prepare students to serve as officers in the Regular and Reserve components of the United States Army. The curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills.

Army ROTC training is divided into two phases: the first two years constitute the Basic Course; the last two the Advanced Course. The Department offers both a four- and a two-year program, each leading to a commission as a second lieutenant in the United States Army. The four-year program requires completion of the Basic Course, a five-week field training course, and the Advanced Course. Students with prior active military service or previous training at military schools may exempt some or all of the Basic Course. Students with questions concerning the various options should contact the Professor of Military Science for more information. Enrollment is open to qualified students at all levels, including graduate students. Offerings are published each semester.

Army ROTC training provides scholarships, pay, free uniforms and textbooks. Scholarships are awarded on a competitive basis in all academic majors. The scholarship pays full tuition, books, lab fees, and certain other academic expenses. All Advanced Course and scholarship students receive a monthly subsistence payment that ranges from $250.00 as a freshman to $400.00 as a senior. This is in addition to the pay of approximately $700.00 while attending the five-week field training course at the Summer Advanced Camp near Seattle, Washington.

Additional skills training: Airborne School, Air Assault School, and the Northern Warfare School are available to both Basic and Advanced Course students during semester breaks. Additional skills training is also available during the academic year to include first aid, rappelling, orienteering, etc.

Basic Course: The Basic Course consists of four semesters of classroom instruction of one hour each week and a weekly lab (MS 2610L). Students incur no military commitment by participating in the Basic Course.
Advanced Course: The Advanced Course consists of four semesters of classroom instruction of three hours per week, lab, field training exercises, and a five-week training phase at summer Advanced Camp. The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Active Army, Reserve or National Guard.

Job Opportunities: The newly commissioned officer can be guaranteed Reserve or National Guard duty, or compete for an Active Duty commission. Prior to commissioning the student, may request to serve in a number of career fields to include aviation, engineering, medical, legal, law enforcement, logistics, and personnel administration.

Requirements for an AROTC Commission: Students who desire to earn a commission as a second lieutenant in the United States Army must meet the following requirements: four semesters of the ROTC Advanced Course, successful completion of the Professional Military Education Courses (written communication skills, computer literacy, and military history), attendance at Advanced Camp, maintain and graduate with a minimum of a 2.0 GPA, successful completion of the Army Physical Readiness Test, compliance with the Army height and weight standards, and other requirements of the United States Army.

Military Science Faculty
Professor: MAJ (P) Joseph M.J. Kools; Assistant Professors: LTC Deborah Mears, MAJ Al Carroccetto, CPT Dean Penovich; Instructors: MSG Joseph Gramigna, SFC Nicholas Davis, SGT Frank Bell, SGT Leon Porter.

Military Science Courses
Students attending the University without an Army Scholarship may take the 1000 and 2000 level courses with no obligation to the Army. Army Scholarships and service obligation options are discussed in class.

MIS 1000 Organization of the Army and ROTC
MIS 1400C Fundamentals of Leadership Development
MIS 2601 Military Training Management And Instructional Techniques
MIS 2610 Leadership Assessment
MIS 2610L Leadership Laboratory
MIS 3302 Small Unit Operations
MIS 3404 Leadership Fundamentals Tactics And Camp Preparation
MIS 4140 Army as a Profession
MIS 4421 Seminar In Military Leadership & Management
MIS 4930 Advanced Directed Study And Research

Evaluation and Testing
Location/Phone: SVC 2054; (813) 974-2742
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://usfweb.usf.edu/ugrads/eandt/evaltest.html

The Office of Evaluation and Testing serves four principal functions:
1. Admissions, Academic and Placement Testing: Tests required for admission to colleges, graduate and professional schools as well as many other special tests are administered by this office. Examples are the SAT, ACT, CPT, CLAST, GRE, MCAT, and LSAT.
2. Scanning and Scoring Services: Analysis and advisory services aid in construction and validation of tests used in classes; survey design and data analysis are also available for research purposes as well as test scoring and analysis by machine. In addition, this office coordinates the student assessment of instruction process.
3. Credit-By-Examination: The College-Level Examination Program (CLEP) is administered through this office. Information on other programs such as the Advanced Placement Test (APT) is available.
4. College Level Academic Skills Test (CLAST): This office, in addition to administering the CLAST, implements many of the rules and policies of the College Level Academic Skills Program (CLASP).

Honors at USF
Tampa and St. Petersburg Campuses

Tampa Campus Location/Phone: FAO 274; (813) 974-3087
St. Petersburg Campus Location/Phone: DAV136; (727) 553-3103
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://web.usf.edu/~honors

Students in the Four Year track take nine Honors courses that examine the nature of human knowledge, ethics, interdisciplinary approaches to the sciences, social sciences, arts and humanities, multiculturalism, and major works and major issues. A Senior Thesis is the culmination of the Honors experience. (Course descriptions appear later in the catalog.) Students also complete six semester hours of English, six semester hours of Mathematics, and five to ten hours of foreign language. Honors students may satisfy the English, Foreign Language, and Math requirements through Advanced Placement, IB, or CLEP (See “Academic Programs and Services” section). University Honors Four Year Track students satisfy USF Liberal Arts and Exit Requirements by completing the core Honors courses and the English, Math and foreign language requirement. Enrolling in University Honors-Four Year Track does not generally increase academic work-load or the number of credits needed to graduate.

Potential University Honors Four Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request to be considered for admission. Students typically have 3.75 high school GPAs and 1300 SAT I or ACT scores of 30. Many scholarships are available for Honors students.

University Honors Two Year Track students take four Honors courses that include: inquiry into major works and major issues, a Senior Thesis and an elective chosen from Honors offerings. Students also complete five to ten hours of a foreign language (on the college level) which may have been taken prior to enrollment at USF. Completion of the Honors core courses satisfies USF Exit Requirements. Enrolling in University Honors Two Year Track does not generally increase academic work-load or the number of credits needed to graduate.

Potential University Honors Two Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request to be considered for admission. Students typically have 3.50 college GPAs and 1270 SAT I or 29 ACT scores. Many scholarships are available for Honors students.

Departmental Honors opportunities are available in some disciplines. Requirements vary according to department, but all require the completion of a Thesis. Students may enroll in both University and Departmental Honors. Students in two Honors programs are required to complete only one Thesis. Admission to University Honors is determined by the University Honors Committee and the Director of Honors; admission to Departmental Honors is determined by the individual department. Students who satisfactorily complete Honors and graduate with at least an overall GPA of 3.3 and a USF GPA of 3.3 shall be identified as Honors Graduates at Commencement as well as on their diplomas and transcripts.

Honors Faculty
Director: Stuart Silverman (Instructors for the Honors courses are recruited from among the University’s outstanding teachers/scholars).
### Honors Program Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IDH 2009</td>
<td>Discovery: People, Processes and Problems</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 2010</td>
<td>Acquisition Of Knowledge</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 2930</td>
<td>Selected Topics</td>
<td>(1-4)</td>
</tr>
<tr>
<td>IDH 3100</td>
<td>Arts/Humanities Honors</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 3350</td>
<td>Natural Sciences Honors</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 3400</td>
<td>Social and Behavioral Sciences Honors</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 3600</td>
<td>Seminar In Applied Ethics</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 4000</td>
<td>Honors Program Seminar: Major Works/Majors Issues</td>
<td>(4)</td>
</tr>
<tr>
<td>IDH 4200</td>
<td>Geographical Perspectives Honors</td>
<td>(3)</td>
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### International Student Exchange Program (ISEP)

Undergraduate Studies maintains cooperating programs for the exchange of undergraduate students with various universities in England, France, Scotland, Australia, Israel, Sweden, Japan, Korea, Russia and Mexico. These exchanges are provided through the International Student Exchange Program (ISEP). Because new schools are continuously added to the ISEP, an updated listing of exchange universities is available from the ISEP office.

### STUDENT LEADERSHIP MINOR

The minor in Leadership Studies consists of a minimum of 18 credit hours with a "B" average (3.0). All students shall complete the first courses in the sequence and select four additional courses from the list of approved courses for the program. The series of courses is designed to help students develop personal and organizational leadership skills. The program is interdisciplinary in nature and should be of significant benefit to students in all areas of study.

The seven courses are designed to give students a practical and theoretical grasp of leadership. The basic assumption is that leadership can be learned and, therefore, taught. This program has a unique approach to leadership education that combines practical theories of leadership and learning to provide opportunities for students to study the nature of authority, leadership, social and role dynamics, political processes and the values that orient their careers. Students learn personal, diagnostic, operational, and tactical skills. In these classes, students are challenged to investigate self, context, and strategy.

**Required Courses (6 hours):**

- SLS 2261 Leadership Fundamentals (3)
- SLS 3140 Survey of Leadership Readings (3)

**Elective Courses (12 hours):**

- SLS 3948 Community Leadership Practicum (3)
- SLS 4010 Theories of Leadership (3)
- SLS 4015 Images of Leadership in Print and Film (3)
- SLS 4120 Leadership in Complex Organizations (3)
- SLS 4129 Ethics and Power in Leadership (3)

### Courses and Programs Outside Undergraduate Colleges

#### Cooperative Education

- IDS 3949 Cooperative Education (0)

#### Reading and Learning Strategies

#### Medicine

- BMS 4402 Principles Of Human Pharmacology -NS (3)
GENERAL COURSE INFORMATION
UNIVERSITY OF SOUTH FLORIDA - 2001/2002 UNDERGRADUATE CATALOG

Courses offered for credit by the University of South Florida are listed on the following pages in alphabetical order by college and subject area. The first line of each description includes the State Common Course prefix and number (see below), title of the course, and number of credits. Credits separated by commas indicate unified courses offered in different semesters.

AMH 2010, 2020 AMERICAN HISTORY I, II (4,4)
Credits separated by a hyphen indicate variable credit:
HUM4905 DIRECTED RESEARCH (1-5)
The abbreviation "var" also indicates variable credit:
MAT7912 DIRECTED RESEARCH (var.)

The following abbreviations are utilized in various course descriptions:
PR: Prerequisite
CI: With the consent of the instructor
CC: With the consent of the chairperson of the department or program
CR: Corequisite
Lec.: Lecture
Lab.: Laboratory
Dem.: Demonstration
Pro.: Problem
Dis.: Discussion

SPECIAL INFORMATION COURSE CODES
6A: Courses to satisfy Rule 6A-10.30 (Gordon Rule)
EC: Course fulfills part of the Liberal Arts General Education Requirement for English Composition
FA: Course fulfills part of the Liberal Arts General Education Requirement for Fine Arts
HP: Course fulfills part of the Liberal Arts General Education Requirement for Historical Perspectives
NS: Course fulfills part of the Liberal Arts General Education Requirement for Natural Sciences
AF: Course fulfills part of the Liberal Arts General Education Requirement for African, Latin American, Middle Eastern, or Asian Perspectives
QM: Course fulfills part of the Liberal Arts General Education Requirement for Qualitative Methods
SS: Course fulfills part of the Liberal Arts General Education Requirement for Social Sciences
XLW: Course fulfills part of the Liberal Arts Exit Requirement for Literature and Writing
XMW: Course fulfills part of the Liberal Arts Exit Requirement for Major Works and Major Issues

Five Year Course Deletion Rule
In compliance with State of Florida Department of Education rules 6A-10.0331, USF undergraduate courses not taught for five years, or fewer if desired, are deleted from the Undergraduate Catalog.

The University reserves the right to substitute, not offer, or add courses that are listed in this catalog.

Alphabetical Listing of Departments and Programs
Course descriptions are listed by college under the following department and program headings:
Department/Program College
Accounting Business Administration
Administration/Supervision Education
Adult Education Education
African Studies Arts and Sciences
Air Force ROTC University-wide Courses
American Studies Arts and Sciences
Ancient Studies (Religious Studies) Arts and Sciences
Anthropology Arts and Sciences
Arabic (Language) Arts and Sciences
Army ROTC University-wide Courses
Art Fine Arts
Art Education Fine Arts
Astronomy Arts and Sciences
Bachelor of Independent Studies Arts and Sciences
Basic and Interdisciplinary Engineering Engineering
Biology Arts and Sciences
Business and Office Education Education
Chemistry Arts and Sciences
Chemical Engineering Engineering
Chinese (Language) Arts and Sciences
Civil and Environmental Engineering Engineering
Classics Arts and Sciences
Common Body of Knowledge Business Administration
Communication Arts and Sciences
Communication Sciences and Disorders Arts and Sciences
Community Experiential Learning Program Arts and Sciences
Computers in Education Education
Computer Science Engineering
Computer Service Courses Engineering
Cooperative Education University-wide Courses
Criminology Arts and Sciences
Dance Fine Arts
Early Childhood Education Education
Economics Business Administration
Electrical Engineering Engineering
Elementary Education Education
English Arts and Sciences
English Education Education
Environmental Science & Policy Arts and Sciences
Finance Business Administration
Fine Arts Interdisciplinary Fine Arts
Foreign Language Education Education
French (Language) Arts and Sciences
General Business Administration Business Administration
General Foreign Languages Arts and Sciences
Geography Arts and Sciences
Geology Arts and Sciences
Gerontology Arts and Sciences
German (Language) Arts and Sciences
Government & International Affairs Arts and Sciences
Greek (Classics) Arts and Sciences
Hebrew (Language) Arts and Sciences
Higher Education Education
History Arts and Sciences
Honors Program University-wide Courses
Humanities Arts and Sciences
Human Services Arts and Sciences
Industrial and Management Engineering
Industrial/Technical Education Information Systems & Decision Sciences Business Administration
Information Systems & Decision Sciences Arts and Sciences
Interdisciplinary Studies Arts and Sciences
International Studies Arts and Sciences
Italian (Language) Arts and Sciences
Japanese (Language) Arts and Sciences
Languages Arts and Sciences
Latin (Classics) Arts and Sciences
Liberal Studies Arts and Sciences
Library & Information Science Arts and Sciences
Linguistics Arts and Sciences
Management Business Administration
Marine Science Arts and Sciences
Marketing Business Administration
Mass Communications Arts and Sciences
Mathematics Arts and Sciences
Mathematics Education Education
Measurement and Research Education
Mechanical Engineering Engineering
Medical Technology Engineering
Military Science (Army ROTC) University-wide Courses
Music Fine Arts
Music Education Fine Arts
Nursing Nursing
Philosophy Arts and Sciences

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Listing Departments/Programs Alphabatically by Prefix

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ST Age Mathematics, Interdisciplinary Social Sciences
SUR Civil & Environmental Engineering
SYA Sociology
SYD Sociology, Women’s Studies
SYG Sociology
SYO Sociology
SYP Sociology
TAX Accounting
THA Theatre
TPA Theatre
TSL Linguistics
TTE Civil & Environmental Engineering
URP Geography, Political Science
VIC Mass Communications
WST History, International Studies, Women’s Studies
YOR Yoruba (Language)
ZOO Biology

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FLORIDA’S STATEWIDE COURSE NUMBERING SYSTEM

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This common numbering system is used by all public postsecondary institutions in Florida and by two participating private 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 assigns 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 meaning in the 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 “course equivalency profiles.”

General Rule for Course Equivalencies: Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between the participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 31 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 this course at a specific institution. Within the SCNS taxonomy, “SYG” means “Sociology, General,” the century digit “0” represents “Entry-Level General Sociology,” the decade digit “1” represents “Survey Course,” and the unit digit “0” represents “Social Problems.”

In science and other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is offered by the receiving institution and is identified by the same prefix and last three digits at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2910. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2910 at the state university if the student transfers. The student cannot be required to take SYG 2910 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed which have not been designated as equivalent.

Sometimes, as in Chemistry, a sequence of one or more courses must be completed at the same institution in order for the courses to be transferable to another institution, even if the course prefix and numbers are the same. This information is contained in the individual SCNS course equivalency profiles for each course in the sequence.

Course Prefix: The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

Authority for Acceptance of Equivalent Courses: State Board of Education Rule 6A-10.024(17), Florida Administrative Code, reads:

When a student transfers among institutions 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 equivalent to courses offered at the receiving institution and are entered in the course numbering system. Credit so awarded can be used by transfer students to satisfy requirements in these institutions on the same basis as native students.

Exceptions to the General Rule for Equivalency: The following courses are exceptions to the general rule for course equivalencies and may not be transferable. Transferability is at the discretion of the receiving institution:

A. Courses in the 900-999 series (e.g., ART 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 courses may not be used to meet degree requirements and are not transferable.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to Office of the Dean, Undergraduate Studies, USF, SVC 2002, 4202 East Fowler Avenue, Tampa, Florida 33620-6020, or the Florida Department of Education, K-16 Articulation, 401 Turlington Building, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 488-6402 or Suncom 278-6402.
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**Undergraduate Studies (UG)**

**ACG 2021 Principles of Financial Accounting (3) BA ACC**

Study of basic accounting principles including the recording and reporting of financial activity. The preparation and interpretation of financial statements.

**ACG 2071 Principles of Managerial Accounting (3) BA ACC**

PR: ACG 2021. A study of the accountant's role in assisting management in the planning and controlling of business activities.

**ACG 3074 Managerial Accounting for Non-Business Majors (3) BA ACC**

Does not count towards major or CPA requirements. The study of the uses of accounting data internally by managers in planning and controlling the affairs of organizations.

**ACG 3103 Intermediate Financial Accounting I (3) BA ACC**

PR: ACG 2071. Theory and methodology underlying financial reporting, including the FASB's conceptual framework, the accounting process, financial statements, accounting changes, present value applications, and current issues.

**ACG 3113 Intermediate Financial Accounting II (3) BA ACC**

PR: ACG 3103. Continuation of ACG 3103. Topics covered include property, plant and equipment, intangibles, current liabilities, long-term debt, stockholders' equity, earnings per share computations, and investments.

**ACG 3341 Cost Accounting and Control I (3) BA ACC**

PR: ACG 2071 or ACG 3103. Deals with cost accounting systems for different entities, cost behavior patterns, cost-volume-profit analysis, relevant information for decision making, and budgets and standard costs for planning and control.

**ACG 3401 Accounting Information Systems (3) BA ACC**

PR: ACG 2021 and CGS 2100. Students who complete this course will not receive credit for ACG 4621. This course provides students with a basic understanding of well-controlled information systems in a variety of technological environments with added emphasis on placed on the collection, processing, and reporting of accounting information.
AGC 4123 Intermediate Financial Accounting III (3) BA ACC

AGC 4351 Cost Accounting and Control II (3) BA ACC
PR: AC 3341. Application of the material covered in AC 3341 with specific emphasis on cost allocations, performance measurements, analysis of current cost accounting systems and accounting in today's environment (giving consideration to the influences of the international environment).

AGC 4621 Computer Control and Audit (3) BA ACC
PR: ISM 3113. Students who complete this course will not receive credit for ISM 4320 or AC 3401. Study of information systems controls and auditing techniques emphasizing the effect both general and specific controls have on asset protection, data integrity, system effectiveness and efficiency in computerized business environments.

AGC 4632 Auditing I (3) BA ACC
PR: AC 3113 and AC 3401. This course provides a sound conceptual foundation of basic auditing process from the perspective of the public accounting profession. Professional standards, ethics, legal responsibilities, and the utilization of technology are addressed.

AGC 4642 Auditing II (3) BA ACC
PR: AC 4632. Further development of material covered in AC 4632, with special emphasis on additional reporting topics and audit techniques not previously addressed.

AGC 4901 Independent Study (1-3) BA ACC
PR: Consent of student and instructor. Individual study contract with instructor and director required. The research project will be jointly determined by the student and instructor.

AGC 4931 Selected Topics in Accounting (1-4) BA ACC
The course content will depend on student demand and instructor's interest.

AGC 5201 Advanced Financial Accounting IV (3) BA ACC
PR: AC 4123 Accounting for business combinations, preparation of financial statements, home office/branch relationships, foreign operations and transactions, partnerships.

AGC 5501 Governmental/Not-For-Profit Accounting (3) BA ACC
PR: AC 4123. CP: AC 4632. Application of financial and managerial accounting, and auditing, principles and theory to both governmental and not-for-profit entities.

AGC 5875 Internal and Operational Auditing (3) BA ACC
PR: AC 3113 and AC 3401. CP: AC 4632. The objective of Internal and Operational Auditing is to provide students with an opportunity to learn about the theory and practice of Internal and Operational Auditing and to apply relevant audit principles and techniques to specialized audit problems.

AGC 5935 Selected Topics in Accounting (1-4) BA ACC
PR: CI. To allow advanced undergraduate students and graduate students to research and study contemporary and emerging topics in the field. Rpt. To 6 hours.

ADE 4384 Working With the Adult Learner (3) ED EDV
An investigation of the needs of the adult learner. Identification of principles of adult learning; physiological, psychological, and social characteristics of adult learners, and corresponding implications are explored.

ADV 3000 Introduction to Advertising (3) AS COM
PR: MMIC 2100 and MMIC 3602. A study of the structures, functions, and persuasive language of advertising. Mass media with attention to social, political, economic, and legal aspects.

ADV 3101 Advertising Copywriting (3) AS COM
PR: ADV 3000 and ECO 1000. Study of laboratory experience in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays, specialty items, and interactive electronic media.

ADV 3103 Radio-Television Advertising (3) AS COM
PR: ADV 3000. An intensive study and response to the analysis of radio and television for advertising purposes, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

ADV 3200 Ad Design (3) AS COM
PR: ADV 3000 (for advertising sequence majors) or VIC 3001 (for other Mass Comm majors). Application of graphic design principles to various areas of advertising. Combining visual and verbal elements effectively.

ADV 3300 Advertising Media Strategy (3) AS COM
PR: AC 3074, ADV 3000, ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3501 Advertising Research (3) AS COM
PR: ADV 3000. Overview of scientific research methods as used in advertising. Emphasis on the acquisition, analysis, and evaluation of primary and secondary data, and the principles of survey and experimental research.

ADV 3700 Retail Advertising Planning and Execution (3) AS COM
PR: ADV 3000 and ADV 3101. A study of retail advertising, including management decisions, processes, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4600 Advertising Management (3) AS COM
PR: ADV 3000, ADV 3101, ADV 3300. Application of analytical planning concepts to advertising planning and decision-making. Case study method used to explore advertising and promotional programs; media and creative strategies; consumer, retail, industrial, and public service applications.

ADV 4909 Advertising Campaigns (3) AS COM
PR: ADV 3101, ADV 3300, ADV 3501, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules.

ADV 4940 Advertising Practice (3) AS COM
PR: CI. For advertising sequence majors. SI/OU only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

AFA 2390 Introduction to the Black Experience [In Africa and Its Diaspora] 6A AF (3) AS AFA
Fundamental perspectives on the nature and significance of the Black Experience in Africa and the black communities in the Americas.

AFA 4150 Africa and the United States 6A SS HP AF (3) AS INT
An examination of the historical and current political, economic, and cultural relations between the United States and Africa.

AFA 4200 Slavery in the Americas and the Caribbean MW (3) AS AFA
This course examines the institution of enslavement in North, South, and Central America, and the Caribbean. It takes an interdisciplinary approach in exploring the social, political, and economic underpinnings of slavery.

AFA 4313 Black English MW (3) AS AFA
PR: Junior or Senior standing. This course focuses on linguistic patterns among African Americans in the U.S., South and Central America, and the Caribbean. It examines language in relation to issues of domination, social stratification, economics and political empowerment.

AFA 4333 Social Institutions and the African-American Community (3) AS AFA
A study of social institutions as they relate to the African-American Community, with emphasis on social systems operating within and on the African-American community.

AFA 4335 Black Women in America 6A MW (3) AS AFA
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience. (May also be taken for credit in Africana Studies.)

AFA 4350 African American Community Research MW (3) AS AFA
The interactive, field experience course introduces students to active and applied research methodologies and the uses of this research in Black urban communities.

AFA 4400 Middle Passage and AF HP (3) AS AFA
The Middle Passage focuses on the trafficking of African peoples from Africa to destinations in the Americas and Europe. Emphasis is placed on the capture, detention, and transport of Africans, and the mundane and moral aspects of the passage.

AFA 4900 Directed Readings (1-3) AS AFA
PR: CI. Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.

AFA 4981 Selected Topics in Africana Studies - (3) AS AFA
Topics offered are selected to reflect student needs and faculties of interest. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th Century; Contemporary Economic Problems in Africa.
AFA 5935 Issues in Africana Studies (1-4) AS AFA
A variable topics course focusing on critical issues related to African culture, the lived experiences of Africans, African-American, and/or other peoples of African descent worldwide. Rpt. Up to 12 hours as topics vary.

AFH 3100 African History to 1850 HP AF (3) AS HTY
A comprehensive overview of pre-colonial African history including a preface to the study of the use of primary sources such as archaeology, oral tradition, cultural anthropology, comparative linguistics, and documents in reconstructing the African past.

AFH 3200 African History since 1850 HP AF (3) AS HTY
Survey of the Colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, the emergence of independent African states, and post-independent problems of nation building and economic development.

AFR 1101 The Air Force Today: Organization And Doctrine (1) US AFR
Introduction to the Air Force in the contemporary world through a study of its total force structure and mission.

AFR 1120 The Air Force Today: Structure And Roles (1) US AFR
A study of the strategic offensive and defensive forces, general purpose forces, and aerospace support forces that make up the Air Force today.

AFR 2000 Enhanced Physical Fitness Training (0) US AFR
Required of all students in Air Force 2000-, 3000-, and 4000-level classes. Meets once per week for 1 and 1/2 hours. Concentrates on motivational physical fitness, healthy lifestyle, and cadet spirit.

AFR 2001 Air Force ROTC Leadership Laboratory 5 (0) US AFR
Leadership Laboratory is required for each of the Aerospace Studies courses. It meets one hour and forty-five minutes per week. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies; drill and ceremonies; career opportunities in the Air Force; and the life and work of an Air Force junior officer. Students develop their leadership potential in a practical laboratory, which typically includes field trips to Air Force installations.

AFR 2130 U.S. Air Power: Ascension To Prominence (1) US AFR
CP: AFR 2000, AFR 2001. A study of air power from balloons and dirigibles through the jet age. Emphasis is on the employment of air power in WWII and WWIII and how it affected the evolution of air power concepts and doctrine.

AFR 2140 U.S. Air Power: Key To Deterrence (1) US AFR
CP: AFR 2000, AFR 2001. A historical review of air power employment in military and non-military operations in support of national objectives. Emphasis is on the period from post WWII to present.

AFR 3220 Air Force Leadership and Management - I (3) US AFR
CP: AFR 2000, AFR 2001. An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer (officership). The basic managerial processes involving decision making, utilization of analytic aids in planning, organizing, and controlling in a changing environment are emphasized as necessary professional concepts.

AFR 3231 Air Force Leadership and Management - II (3) US AFR
CP: AFR 2000, AFR 2001. A continuation of the study of Air Force advancement and leadership. Concentration is on organizational and personal values, management of forces in change, organizational power, politics, and managerial strategy and tactics are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

AFR 4201 National Security Forces In Contemporary American Society I 3 (US AFR
CP: AFR 2000, AFR 2001. A study of the Armed Forces as an integral element of society with an emphasis on American civil-military relations and context in which U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military and the role of the professional military leader in a democracy.

AFR 4211 National Security Forces In Contemporary American Society II 3 (US AFR
CP: AFR 2000, AFR 2001. A continuation of the study of the Armed Forces as an integral element of society with an emphasis on American civil-military relations and societal attitudes toward the military and the role of the professional military leader in a democracy.

AFS 2250 Culture and Society in Africa 6A AF (3) AS AFA
Topics include: African religions, value systems, art, and the aesthetics, family, life and cycle, impact of Islam and Christianity and conflict of cultures.

AFS 3153 African Literature Survey 6A LW (3) AS AFA
Pr: Junior or Senior standing. Explores the socio-historical, philosophical and political dynamics of African cultures through the study of African oral literature and the reading of African literary texts of various genres.

AFS 3251 Environmental - Cultural Study in Africa SS FA AF (3) AS AFA
Pr: AFS 2250 or CI. Study tour. A study of traditional African society and culture, the relationship between life and the environment, and the impact of modernization on the culture and the environment.

AFS 4311 The African Diaspora: Blacks in the Construction of the Americas MW (3) AS AFA
This course will examine the historical and geographical distribution of Africans in the diaspora and the political economic roles they have played in the development of the Western world, with a focus on the Africans. The course takes an interdisciplinary approach. The course is not restricted to majors and is not repeatable for credit.

AMH 2010 American History HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from European origins to 1877.

AMH 2020 American History II HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from 1877 to present.

AMH 3110 American Colonial History to 1750 (4) AS HTY
A study of the evolution of the American society and the American Revolution from the Age of Re却onnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.

AMH 3130 The American Revolutionary Era (4) AS HTY
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalty, violence, and slavery in American society from 1750-1789.

AMH 3140 The Age of Jefferson (4) AS HTY
A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and ethnocultural conflicts.

AMH 3160 The Age of Jackson (4) AS HTY
The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activity in the antebellum era.

AMH 3170 The Civil War and Reconstruction (4) AS HTY
An examination of political, social, and economic climate of the 1860’s from Civil War to Reconstruction. The course does focus upon the war itself in its military, diplomatic, and political consequence through the end of the Reconstruction (1877).

AMH 3201 The United States, 1877-1914 (4) AS HTY
A study of America from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations and imperialism.

AMH 3231 The United States, 1914-1945 (4) AS HTY
The United States from World War I to the end of World War II. Covering political, social and international developments, the course examines the lives of Americans, including minorities and women, during war, prosperity, and the Great Depression.

AMH 3270 The United States Since 1945 (4) AS HTY
A study of America’s role in the Cold War, in Vietnam, and in the post-Cold War era. Also examines domestic developments, such as the consumer culture, protest movements, and abuses of political power.

AMH 3403 The South since 1865 (4) AS HTY
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, demagoguery and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3421 Early Florida (4) AS HTY
A history of colonial Florida from the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict, the emergence of Florida within the regional setting.

AMH 3423 Modern Florida (4) AS HTY
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.
AMH 3500 American Labor History (3) AS HTY
A study of workers from the colonial period to the present. Examines the changing nature of work, its effects on workers (including minorities and women), and their responses as expressed in strikes, unions, and political action.

AMH 3510 U.S. Diplomatic History to 1898 (3) AS HTY
The development of American Foreign Relations in the Agricultural era.

AMH 3511 U.S. Diplomatic History in the 20th Century (4) AS HTY
A history of American Foreign Relations in the Industrial era.

AMH 3530 Immigration History (4) AS HTY
A study of the composition and character of the “American” people. Examines the composition of the period from 1840s to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world’s social, economic, and political conditions.

AMH 3540 United States Military History (4) AS HTY
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

AMH 3545 War and American Empire (4) AS HTY
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and Empire from the Revolution through Vietnam.

AMH 3561 American Women I (4) AS HTY
A study of women in the evolution of American society from European origins to 1877. Women’s roles in the family, economy, politics, war, and reform movements will be examined. (May also be taken for credit in Women’s Studies.)

AMH 3562 American Women II (4) AS HTY
A study of women in the evolution of American society from 1877 to the present. Women’s roles in the family, economy, politics, immigration, war, and reform movements will be examined. (May also be taken for credit in Women’s Studies.)

AMH 3571 African American History to 1865 (3) AS AFA
A survey of African American History with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War.

AMH 3572 African American History since 1865 (3) AS AFA
A survey of African American history, with an emphasis on North America from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Rights Movement.

AMH 3800 History of Canada (4) AS HTY
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, separatism, and region-alism.

AML 3031 American Literature From the Beginnings to 1860 (3) AS ENG
A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.

AML 3032 American Literature From 1860 to 1912 (3) AS ENG
A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.

AML 3051 American Literature From 1912-1945 (3) AS ENG
A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.

AML 3453 Historical Perspectives in Early American Literature (3) AS ENG
Examines American literature from the Colonial Period to the Civil War as a manifestation of geographical, political, social, and intellectual forces. Will not be counted toward the English major.

AML 3604 African American Literature 6A LW (3) AS ENG
A survey of African American literature from the nineteenth century to the present, including the works of such writers as W.E.B. DuBois, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni.

AML 3611 Nineteenth Century American Novel (3) AS ENG
A study of the American novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.

AML 3621 Twentieth Century American Novel (3) AS ENG
A study of major trends and influences in American prose fiction from 1900 to the present. Includes works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Vonnegut, and others.

AML 4261 Literature of the South (3) AS ENG
A study of the major writers of the “Southern Renaissance,” including writers such as Faulkner, Wolfe, Caldwell, Hellman, Cuthbert, O’Connor, Warren, Stieven, Tate, Davidson, and Dickey.

AML 4303 Zora Neale Hurston: Major Works 6A MW LW (3) AS AFA
PR: Junior or Senior standing. The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and a renown Florida writer.

AML 4330 Selected American Authors (3) AS ENG
The study of two or three related major authors in American literature. The course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be taken twice for credit with different topics.

AML 4624 Black Women Writers 6A LW (3) AS AFA
Black women writers focuses on the literature of women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of African women in context of a global community.

AMS 2030 Introduction to American Studies SS HP (3) AS AMS
An overview of American Studies, the interdisciplinary study of American culture. Analysis of the arts and literature, including music; social issues; popular culture; material culture; cultural diversity; and social change. These approaches will be applied to a specific cultural era.

AMS 2201 Colonial American Culture HP (3) AS AMS
An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.

AMS 2212 Nineteenth-century American Culture HP (3) AS AMS
An examination of cultural patterns in America from 1776 to 1900 with an emphasis on the texture of everyday life.

AMS 2470 Twentieth-century American Culture HP (3) AS AMS
An examination of cultural patterns in America from 1900 to the present with emphasis on the texture of everyday life.

AMS 2363 Issues in American Civilization (1-4) AS AMS
An examination of selected topics such as natural environment and the quality of life, sports and American society, popular music, American communities, vigilante tradition, jazz music, role of the family, American success myth, youth in America. Topic varies.

AMS 3001 American Culture 1860-1915 6A HP (4) AS AMS
Integration of major aspects of American life between the 1880s and World War I.

AMS 3210 Regions of America HP (4) AS AMS
The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions.

AMS 3230 America During the 20s and 30s (4) AS AMS
Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.

AMS 3260 American Culture, 1830-1860 6A HP (4) AS AMS
Examines the patterns of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.

AMS 3370 Southern Women: Myth and Reality 6A HP (3) AS AMS
This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history.

AMS 3601 Material Culture and American Society SS HP (3) AS AMS
By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans, and immigrants.

AMS 3700 Racism in American Society SS HP (3) AS AMS
An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of xenocentrism and cultural relativism will also be studied.

AMS 3930 Selected Topics in American Studies (1-4) AS AMS
Offerings include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.
AMS 4152 Film in American Culture (3) AS AMS
Surveys the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, performer, subject, or period of time. Instructor approval prior to registration.

AMS 4804 Major Ideas in America MW (3) AS AMS
Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, utopianism, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies.

AMS 4910 Individual Research (1-4) AS AMS
The content of the course will be governed by student demand and instructor approval prior to registration.

AMS 4930 Selected Topics in American Studies (1-4) AS AMS
PR: Senior in American Studies or CI. Offerings include the social implications of American painting, Technology in Twentieth Century America, American Environmental Problems, Popular Culture in America, American Military Experience, and Labor in America.

AMS 4955 Senior Seminar in American Studies (4) AS AMS
PR: Senior in American Studies or CI.

AMS 4940 Internship in American Studies (1-4) AS AMS
A structured, out-of-class learning experience designed to provide first-hand, practical training in careers related to American Studies.

ANG 4940 Reading (1-4) AS ANG

ANG 5910 Individual Research (2-4) AS ANG
PR: DSR. Contract required prior to registration. S/U. Individual guidance in selected research project.

ANG 5937 Seminar in Anthropology (2-4) AS ANG
PR: Senior or Graduate student to be chosen by students and instructor.

ANT 1001 The Human Adventure (3) AS ANT
Not for major credit. This course examines the anthropological evidence relevant to controversial questions concerning human origins, social practices, human and animal communication, and ancient societies.

ANT 1149 Fantastic Archaeology: Mysteries of the Human Past (3) AS ANT
Not for major credit. Mysteries of the human past, including the Lost Continent of Atlantis, Ancient Astronauts, the “Myth” of the Moundbuilders, and the Shroud of Turin will be discussed in detail. The practice of archaeology and how we know about the past will also be presented, and skills in critical thinking will be emphasized.

ANT 2000 Introduction to Anthropology SS AF (3) AS ANT
The cross-cultural study of the human species in biological and social perspective. Surveys the four major branches of anthropological physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), ethnolinguistic anthropology (the analysis of language in its cultural context), and cultural anthropology, the cross-cultural study of peoples living in the world today, be they in tribal, peasant, or urban societies.

ANT 2410 Cultural Anthropology SS AF (3) AS ANT
PR: ANT 2000 or DFR. Discussion of major methods of and orientations to the cross-cultural study of the world’s peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

ANT 2511 Biological Anthropology NS (3) AS ANT
PR: ANT 2000 or DFR. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized.

ANT 3005 The Anthropological Perspective AF (3) AS ANT
For non-anthropology majors only. May not be counted for credit toward an anthropology major. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at enabling the student to understand the anthropologist’s cross-cultural view of the human species as adapting through biosocial means to the environment.

ANT 3101 Archaeology SS (3) AS ANT
PR: ANT 2000 or DFR. The cross-cultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

ANT 3610 Anthropological Linguistics SS (3) AS ANT
PR: ANT 2000 or DFR. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.

ANT 4034 Theories of Culture (3) AS ANT
PR: DFR. Senior standing in major in anthropology or equivalent. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they began to be incorporated into (the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

ANT 4142 Old World Archaeology SS (3) AS ANT
PR: ANT 3101 or DFR. The archaeology of Europe, Asia and Africa, from the earliest humans through the emergence of state-level societies in many parts of the Old World. The course will focus on comparative aspects of economic, social, political, and religious organization in the prehistoric Near East, Egypt, China, the Aegean, Europe and Africa.

ANT 4143 European Archaeology (3) AS ANT
PR: ANT 3101 or DFR. The archaeology of Europe, from the first Paleolithic inhabitants to the fall of Roman civilization. The course will focus on ancient material culture while emphasizing social and economic questions such as the emergence of modern humans, the adoption of agriculture, the development of complex societies, and the rise of civilization.

ANT 4147 Environmental Archaeology (3) AS ANT
PR: ANT 3101 or DFR. This course examines environmental constraints on ancient human societies, and how human activities have impacted the environment in the last several thousand years. Presentation of the methods used to reconstruct prehistoric environments will be followed by case studies from Florida, Central and South America, Easter Island, the Mediterranean and the Near East.

ANT 4153 North American Archaeology (3) AS ANT
PR: ANT 3101 or DFR. An examination of the evidence regarding the human settlement of North America from its beginnings through the development of aboriginal culture to the period of European conquest. Emphasis on the cultural history of North America at selected sites from all time periods. No field work is involved.

ANT 4158 Florida Archaeology (4) AS ANT
PR: ANT 3101, DFR. Culture history and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indians) through the elaborate Weeden Island and Safety Harbor burial and temple mound cultures to the Spanish entrada and consequences of European conquest. Review of temporal and spatial relationships within the entire eastern U.S. and elsewhere. May be part of a summer (or other semester) field school, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4163 Mesoamerican Archaeology (3) AS ANT
PR: ANT 3101 or DFR. The chronology of the area from its beginnings through Prehistoric Mesoamerica is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4165 South American Archaeology (3) AS ANT
PR: ANT 3101 or DFR. This course examines the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimú are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4172 Historical Archaeology 6A (3) AS ANT
PR: ANT 3101 or DFR. The chronology of the area from its beginnings through Prehistoric Mesoamerica is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4180 Laboratory Methods in Archaeology (2-4) AS ANT
PR: ANT 3101, DFR. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; including artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, mapmaking, etc. May be offered as part of a summer (or other semester) field session. May be combined with Florida Archaeology and Field Methods in Archaeology.

ANT 4181 Museum Methods (4) AS ANT
PR: ANT 3101 and DFR. Design, preparation and installation of exhibits in the Department of Anthropology Teaching Exhibit Gallery. Emphasis on theory, research, design, and construction. Discussion of museum-related issues such as administration and curation.

ANT 4183C Archeological Science (4) AS ANT
PR: ANT 3101 or DFR. This course focuses on the application of scientific methods to archaeological materials including bone, stone, pottery, and metal. Methods include absolute dating, remote sensing, optical and SEM microscopy, elemental and isotopic analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods.

ANT 4231 Folklore 6A (3) AS ANT
PR: ANT 2410 or DPR. Focuses on cross-cultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

ANT 4261 Material and Religion 6A MW (3) AS ANT
PR: ANT 2410 or DPR. The cross-cultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious performances and symbols of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4285 Oral History (3) AS ANT
PR: ANT 2410 or DPR. A survey of the history, methods, and current applications of oral history research, primary in the anthropological study of culture, but with reference to allied disciplines. Students will become familiar with oral history through intensive analysis of selected case studies as well as guided field projects.

ANT 4302 Gender in Cross-Cultural Perspective MW (3) AS ANT
PR: ANT 2410 or DPR. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today.

ANT 4312 North American Indians (3) AS ANT
PR: ANT 2410 or DPR. An examination of the evidence for the origin and early evolution of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, enculturation and worldview, folklore, and visual art.

ANT 4316 Ethnic Diversity in the United States MW (3) AS ANT
PR: ANT 2410 or DPR. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, experiences, and lifestyles, and an examination of policies and problems affecting ethnic groups in the United States.

ANT 4323 Mexico and Central America (3) AS ANT
PR: ANT 2410 or DPR. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 The Caribbean 6A MW (3) AS ANT
PR: ANT 2410 or DPR. Main themes include: the de-population of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethnic heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4390 Visual Anthropology (3) AS ANT
PR: ANT 2410 or DPR. The use of photographic techniques for the cross-cultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the presentation on visual anthropology that expresses the "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4401 Exploring Cross-Cultural Diversity MW (3) AS ANT
For non-Anthropology majors only. This course will introduce students to anthropological perspectives which are useful in understanding the implications of cultural diversity related to changing demographic patterns within country as well as to increasing globalization.

ANT 4432 The Individual and Culture 6A MW (3) AS ANT
PR: ANT 2410 or DPR. The relationship between the individual and society is studied cross-culturally. Main themes include child-rearing practices, psychosomatic illnesses, and curing. Concepts of personality development with special reference to their applicability to the emerging field of cross-cultural mental health planning.

ANT 4462 Urban Life and Culture (3) AS ANT
PR: ANT 2410 or DPR. The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationships to urban applications of anthropological research.

ANT 4466 Health, Illness, and Culture (3) AS ANT
PR: ANT 2410 or DPR. The study of health and human behavior in cross-cultural perspective. Main themes include: the impact of disease on the development of human culture; common and special diseases; curing practices; medical systems in their relationship to ideology. Emphasis on understanding the role of medicine, and the behavior of both practitioners and patients in modern societies.

ANT 4465 Methodological Anthropology (3) AS ANT
PR: DPR. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4500 Forensic Anthropology (3) AS ANT
PR: ANT 2511 or DPR. A detailed overview of forensic anthropology, skeletal variation, techniques of determining sex, age, population affiliation, aspects of osteological individuality and identification, methods of osteological analysis. Open to non-majors only.

ANT 4586 Prehistoric Human Evolution NS (3) AS ANT
PR: ANT 2511 or DPR. A survey of the fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human evolutionary lineage. Biocultural patterns and cultures of the past are also covered.

ANT 4587 Human Variation (3) AS ANT
PR: ANT 2511 or DPR. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological aspects of human variation are considered. Biological influences on cultural evolution are discussed.

ANT 4620 Language and Culture 6A (3) AS ANT
PR: ANT 2510 or DPR. Explores the relationships between language and culture in cross-cultural perspective. Examines the role and nature of language in the cultural expression of thought and ideas.

ANT 4701 Applied Anthropology (3) AS ANT
PR: ANT 2410 or DPR. A review of approaches applying the anthropological perspective to contemporary human problems. Focuses on the impact of public policy and environment issues in United States society. Discussion of the historical development of applied anthropology, problems of economic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 Language and Social Structure 6A (3) AS ANT
PR: ANT 3610 or DPR. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the cross-cultural description and analysis of patterns of communication in ethnographic contexts.

ANT 4824 Archaeological Field Methods (4-12) AS ANT
PR: ANT 3101, DPR. Offered as a part of a summer or other semester field session. May or may not be combined with Florida Archaeology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, and data and materials recovery, recording, and processing.

ANT 4991 Directed Reading (1-4) AS ANT

ANT 4995 Individual Research (2-4) AS ANT
PR: DPR. S/U only. Individual guidance in a selected research project. Contract required prior to registration.

ANT 5310 Special Topics (3) AS ANT
PR: DPR. Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored.

ANT 4932 Honors Seminar (4) AS ANT
PR: Admission to the honors program in anthropology and DPR. Seminar designed to provide the honors student with an opportunity to present, discuss and defend his/her own research and to explore in-depth topics in several areas of anthropology.

ANT 4935 Rethinking Anthropology 6A (3) AS ANT
PR: Senior standing with major in anthropology. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and special fields. Students develop and articulate their current images of anthropology.

ANT 4970 Honors Thesis (3) AS ANT
PR: Admission to the honors program, completion of the honors seminar and DPR. S/U only under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology.

ANT 5937a Quantitative Methods in Applied Anthropology (3) AS ANT
PR: GS in ANT. Basic statistical analysis and use of statistical computing packages. All M.A. students are expected to enroll in and satisfactorily complete this course. Exceptions are possible for students who have completed equivalent courses in statistics prior to enrollment in the program.

ANT 5937b Graduate Proseminar (3) AS ANT
PR: CI. An integrated examination of selected topics that draws from the fields of Anthropology and Sociology. Students are required to earn a minimum grade of B in the course. Successful completion of the Proseminar fulfills the comprehensive examination requirement.
ARA 1120 Modern Arabic I (4) AS WLE
CP: ARA 1120. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.

ARA 1120L Modern Arabic I Laboratory (1) AS WLE
CP: ARA 1120. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously.

ARA 1121 Modern Arabic II (4) AS WLE
PR: ARA 1120L and/or its equivalent. ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

ARA 1121L Modern Arabic II Laboratory (1) AS WLE
CP: ARA 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

ARA 2200 Modern Arabic III (4) AS WLE
PR: ARA 1121 or the equivalent. For language students who intend to attain basic proficiency.

ARA 2200L Modern Arabic III Laboratory (1) AS WLE
PR: ARA 2200 or the equivalent. Continuation of ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

ARA 4805 Directed Study (1-5) AS WLE
DEPARTMENTAL APPROVAL REQUIRED. S/U only. Permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion.

ARA 4930 Selected Topics (1-5) AS WLE
DEPARTMENTAL APPROVAL REQUIRED. Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion.

ARC 4784 The City 6A MW (3) AR ARC
This course examines the history of the city, as both idea and reality, with a particular focus on Western cities, and the 20th century. The course is open to undergraduates and students in the Graduate Architecture Program.

ARC 4931 Selected Topics in Architecture and Community Design (2-4) AR ARC
Variable topics will be offered for pre-professional studies for students in the Liberal Studies Major/ALA Degree Program and as electives for other undergraduates.

ARC 5175 Computer Technology (3) AR ARC
PR: CC. Introduction to the application of computer technology in current architectural practice. The exploration of available software programs, and computer services for word processing, information handling, specification writing, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), computer graphics and design drafting.

ARC 5216 The Building Arts (3) AR ARC
PR: CC. Introduction to the man-made environment. The study and practice of architecture. The various facets of the process of shaping the built environment as it manifests itself in the different roles and specialization of the experts involved the process, and in the various academic courses that prepare the architect for practice.

ARC 5256 Design Methods (3) AR ARC
PR: Calculus, CC. Survey of major schools of thought in design theory, methods of design and problem-solving, and design research. The nature of the design activity and its recurring difficulties. The nature and different types of problems. Traditional approaches to problem-solving and design in architecture; recent systematic as well as intuitive approaches to problem-solving based on developments in other fields. Scientific method, the systems approach and design.

ARC 5361 Architectural Design I (6) AR ARC
PR: CC. First of two semester Design Fundamentals/Design Graphics sequence focusing on synthesis of design concepts and application of ordering principles and process. Emphasis is placed on understanding and awareness of structural elements and compositions. Students examine the work of significant architects and use it as a basis for design exploration. Graphical documentation, diagramming, and model studies are stressed.

ARC 5362 Architectural Design II (6) AR ARC
PR: ARC 5361. CC. Second of a two semester Design Fundamentals/Design Graphics sequence focusing on synthesis of design concepts and application of ordering principles and process. Emphasis is placed on developing an understanding and awareness of structural elements and compositions. Students examine the work of significant architects and use it as a basis for design exploration. Graphical documentation, diagramming, and model studies are stressed.

ARC 5363 Architectural Design III (5) AR ARC
PR: ARC 5362, ARC 5216, ARC 5467, ARC 5587, ARC 5731, ARC 5689, CC. Study of the various phases of the building delivery and design process, and of different approaches to ordering that process in a systematic fashion. The student will use one such systematic approach to exterior design and development of design solutions for a project of moderate scale and complexity. Studies of built form ordering principles, mass/void relationships, scale and proportion, color, texture, contextual relationships, meaning/imagery, building technology (awareness of structural organization, services networks, construction processes and materials), aspects of human behavior as design determinants.

ARC 5364 Architectural Design IV (5) AR ARC
PR: ARC 5363. CC. Emphasis on orderly design processes to building projects of moderate complexity and scale. Continued investigation of the relationship between human behavior and the environment. Analysis and integration of site relationships into the development of design solutions. Legal aspects of zoning, building codes, and regulations regarding access for handicapped persons, fire escape, etc.

ARC 5365 Architectural Design V (5) AR ARC
PR: ARC 5364. CC. Design of building projects of medium to large scale and complexity. Issues of community and neighborhood design as they relate to the design of buildings. Restoration and adaptive re-use of existing historic buildings. Focus on thinking through as well as documenting the complete building system and process.

ARC 5467 Materials and Methods of Construction (4) AR ARC
PR: ARC 5470. CC. Overview of properties of primary materials and construction systems which comprise building structure and enclosure. Emphasis on interface and connection of elements and assemblies, relative to climate, assembly processes, costs, codes, and craftsmanship. Lab sessions include field trips to manufacturing facilities, construction sites, and preparation of drawings and models of assemblies.

ARC 5470 Introduction to Technology (3) AR ARC
Introduction to architectural technology, including structures, materials and methods of construction, and environmental controls. Overview of building systems and components and their integration into architectural design. The various uses of new and emerging technologies in architecture. Assessment of the impact of new and emerging technologies on architectural design and the built environment.

ARC 5578 Structures I (3) AR ARC
PR: Calculus, Physics, and ARC 5760. CC. Review of static and mechanical principles of materials. Analysis and evaluation for appropriate selection of structural systems and elements. Analysis and design of concrete, steel, and wood structures, based on load, strength, deflection. Fundamentals of wind and seismic design as they apply to wood and steel construction. Truss analysis, beam and column behavior.

ARC 5588 Structures II (3) AR ARC
PR: ARC 5587. CC. Introduction to the concepts and theories of structural analysis and design of reinforced concrete systems and electrical, mechanical and plumbing systems for buildings. Energy utilization, heating and cooling, water delivery and waste removal, fire protection, illumination, transportation, and acoustics. Lab exercises include computer simulations, illumination studies, thermal performance studies.

ARC 5731 Architectural History (3) AR ARC
Overview of the evolution of architecture from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Varied methodologies to the analysis of historical architecture. The focus will be on the built environment of Europe and the Mediterranean basin.
ARC 5732 Architectural History II (3) AR ARC
Overview of the built environment from the Renaissance to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological, and economic context. Study of various methodological approaches to the analysis of historic architecture and development of student's own approaches. Emphasis will be on the built environment of Europe and America.

ARC 5789 Modern Architecture History (3) AR ARC
PR: CC. C/CI. Exploration of the philosophic, economic, aesthetic, social, historical, and moral imperatives used by modern architects and historians in their attempt to design the appropriate physical environment for a new social order. The course will investigate the writings and works of the proponents of the modern style of architecture and the new architecture as defined by those who broke tradition and expressed the new era using modern construction materials and techniques.

ARC 5793 History Abroad (3) AR ARC
PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5920 Architectural Design Studio Abroad (5) AR ARC
PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5931 Special Studies in Architecture (1-5) AR ARC
PR: CC. Variable titles offered on topics of special interest.

ARE 3044 Experiential Basis of Artistic Mind (3) FA ART
Designed to help the student comprehend the language of art and metaphor, with emphasis on the internal and expressive aspects of art as well as their application in the schools and the community.

ARE 3354 Art Teaching Strategies I (3) FA ART
PR: ARE 2304. A combination of theoretical and practical experiences in all public and private learning centers to provide the student with a variety of teaching concepts and media exploration in art education and to further enable the student to understand stages of young people.

ARE 4037 Senior Seminar in Art Education (2) FA ART

ARE 4112 Education Through Crafts (3) FA ART
An in-depth study of arts and craft media for children. Emphasis will be placed on innovative use of new materials and curriculum in school restructuring.

ARE 4313 Art For the Child and You (2) FA ART
Art and the intellectual, creative, emotional, and aesthetic growth of children.

ARE 4440 Art Teaching Strategies II (3) FA ART
A media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

ARE 4443 Crafts Workshop in Art Education (3) FA ART
PR: ARE 3044. The study and practice of processes and media involved with the exploration of expression of cultural traditions and individual ideas through crafts.

ARE 4642 Community Arts (3) FA ART
PR: ARE 3044. Explores the arts as infrastructure through identification, exploration and experimentation off/with unique community spaces, populations and new environments for and learning in the arts.

ARE 4909 Directed Study: Art Education (1-3) FA ART
PR: Senior standing. Directed study contract required. Designed to extend teaching competencies in the field of art education.

ARE 4940 Internship: Art Education (1-12) FA ART
CP: ARE 4037. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

ARH 2050 History of Visual Arts I HP FA (3) FA ART
A survey of World Art to AD 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

ARH 2051 History of Visual Arts II HP FA (3) FA ART
A survey of World Art since 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

ARH 3001 Introduction To Art HP FA (4) FA ART
An expanded introductory treatment of basic concepts. For art majors and non-art majors.

ARH 3454C Contemporary Issues in Art HP FA MW (4) FA ART
Focuses upon the productions, themes and processes of artists working in the present time. This course will investigate the relationship of materials and media used by contemporary artists to the subject and content of artists' productions/products as well as conceptual processes.

ARH 4170 Greek And Roman Art (4) FA ART
A comprehensive study of Aegaeon, Mycenaean, Etruscan, Greek sculpture, and Greek architecture.

ARH 4200 Medieval Art (4) FA ART
A comprehensive study of early Christian, Byzantine and Medieval painting, sculpture, architecture and manuscript illumination.

ARH 4301 Renaissance Art (4) FA ART
A comprehensive study of Renaissance and Manierist painting, sculpture and architecture in Italy and Northern Europe.

ARH 4318 Venetian Art (4) FA ART
PR: DPR. Major monuments of Venetian art are examined to elucidate the importance of Venice as the crossroads of cultural exchange between Islam, Byzantium, and West, and the importance of Venetian art for the history of art and art criticism.

ARH 4350 Baroque And Rococo Art (4) FA ART
A comprehensive study of the painting, sculpture and architecture in France, Italy, Spain and the Netherlands in the seventeenth and early eighteenth centuries.

ARH 4430 Nineteenth Century Art (4) FA ART
A comprehensive study of nineteenth century painting, sculpture and architecture in America and Europe. Gender/multicultural issues and methodologies in 19th century art are emphasized.

ARH 4450 Twentieth Century Art (4) FA ART
A comprehensive study of painting, sculpture and architecture from Cezanne to the present in Europe and the United States. Required of all art majors.

ARH 4455 Modern Political Iconography MW (4) FA ART
PR: DPR. The course explores art in which political themes are considered to be the source and determinant of aesthetic decisions. The dominant iconographic theme is the iconography of revolution, rebellion, and other forms of political struggle in 20th Century art and film.

ARH 4520 African Art (4) FA ART
A combination of survey, comparative study and in-depth analysis of African sculpture, mainly from West and Central Africa. Emphasis on diversity of forms and contexts, functions, symbolism and meanings.

ARH 4530 Buddhist Art (4) FA ART
PR: DPR. This course examines one important aspect of Asian artistic production. Buddhist Art begins in India and travels via the Himalayas and Southeast Asia to East Asia, touching on artistic expression of major principles and practices, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

ARH 4534 Japanese Prints (4) FA ART
PR: DPR. This course examines one important aspect of Asian artistic production. "Japanese Prints" concentrates on the period from 1615 to the present and distinguishes schools, styles, artists, subjects, patronage patterns, and technical matters. The role of printmaking within society and how print art is examined throughout.

ARH 4557 Chinese Art (4) FA ART
PR: DPR. Chinese Art proceeds chronologically, from the Neolithic era up to the contemporary art world. The course considers cultural, linguistic, technical, philosophical, political and religious influences on the art works produced by this ancient society.

ARH 4710 History of Photography 6A MW (4) FA ART
PR: DPR. Comprehensive overview of the history of photography from its inception to the present day with an emphasis on the relationship of photography to the visual arts and popular culture.

ARH 4721 Graphicstudio/ History of Media: Printmaking (3) FA ART
This course introduces the history of Western printmaking from the Middle Ages to contemporary times, with an emphasis on artmaking technology and research, cultural perspectives and theoretical/critical analytical capabilities. The course is open to majors and non-majors. It is not repeatable for credit.

ARH 4721C History of Printmaking 6A (3) FA ART
The history of Western printmaking from the Middle Ages to contemporary times, with an emphasis on artmaking technology and research, cultural perspectives and theoretical/critical analytical capabilities. The course is open to majors and non-majors. It is not repeatable for credit.

ARH 4790 Selected Topics In The History of Film (4) FA ART
In-depth investigation of a selected period, development, or school in the history of film as art.

ARH 4792 Critical Studies In Art History 6A (4) FA ART
PR: DPR. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering.
ARH 4930 Art History: Selected Topics (2-4) FA ART
Lecture/discussion on course design, critical areas of expertise, or significant programs or specific interests of resident faculty.

ARH 4937 Seminar In The History Of Art History (4) FA ART
PR: Four courses in Art History at the 4000 level. An examination of the topics of Art History as a discipline and changing nature of Art History from Vasari to the present.

ARH 5451 Cultural and Intellectual History of Modern Art (4) FA ART
PR: 12 credits of modern art history. A course in which the theories of modernists and of critics and historians of Modernism are treated as a part of general cultural and intellectual history.

ARH 5795 Methods of Art History (4) FA ART
May be taken during the student's first two semesters in the M.A. program. This course introduces students to various methods which art historians have used to analyze the form and content of individual works of art, and to various modes of historical explanation.

ARH 5797 Gallery And Museum Internship (2-6) FA ART
Students are eligible after completing one semester in the program. S/U only. Registration by contract only. By working in Bay Area museums or galleries, students will become familiar with various museological operations. Internships vary owing to the work at hand in particular museums, but possible areas of work include registration, installation, conversation, writing of grants, or museum education.

ARH 2201C Fabrications I FA (3) FA ART
An introduction to basic visual art studio concepts. Topics include the nature of art, the visual language of its form, modes of representation, and visual art theory. Studio problems supplement lecture by study and discussion. Emphasis on images of implied time and space.

ARH 2203C Fabrications II FA (3) FA ART
PR: ARH 2201C (for majors). No prerequisites for non-majors. This course will concentrate and expand on the groundwork laid in Fabrications I, which is pre-requisite for majors, but not for non-majors. Fabrifications II will focus on the significance of meaning and how it is constructed visually by researching 3 phases, I - the personal in images, We - images of cultural ideas, and They - images produced through collaboration.

ARH 2222 Beginning Electronic Media (3) FA ART
An introductory exploration of issues and processes involved in the creation of experimental computer art. The course focuses on an interdisciplinary approach to electronic media. Available to majors and non-majors.

ARH 2301C Beginning Drawing (3) FA ART
Intermediate projects exploring the media, media, and concepts of drawing.

ARH 2400C Beginning Printmaking (3) FA ART
This course is designed as an introduction to the medium of printmaking. It concentrates on the technical production of various print media including: intaglio, relief, lithography and serigraphy (screen printing).

ARH 2510C Beginning Painting (3) FA ART
Intermediate projects in painting with emphasis on the exploration of methods and media and the development of individual concepts.

ARH 2701C Beginning Sculpture (3) FA ART
Intermediate projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

ARH 2930 Selected Topics In Art (2-4) FA ART
The content of this course will be determined by student demand and instructor interest. Open University offerings under this number may not be counted for degree credit for art majors.

ARH 3111C Intermediate Ceramics (3) FA ART
Intermediate problems in ceramics art and design. Emphasis on the exploration of methods and media and the development of individual concepts.

ARH 3222C Intermediate Electronic Media (3) FA ART
 Majors only. An intermediate exploration of the issues and processes involved in the creation of experimental electronic computer art. The course focuses on an interdisciplinary approach to electronic media while developing individual creative growth.

ARH 3302C Intermediate Drawing (3) FA ART
An extension of the skills and concepts introduced in Beginning Drawing with an emphasis on individual experimentation and the development of advanced critical and technical skills in the discipline. The course is repeatable up to 9 hours.

ARH 3401C Intermediate Printmaking (3) FA ART
This course concentrates on developing intermediate skills in printmaking with particular emphasis on conceptual topics. The course is intended for majors. It is repeatable for credit up to 9 hours.

ARH 3601C Directed Study (1-4) FA ART
PR: AR 2301C. Investigation of Printmaking Media including: monoprinting, collagraph, relief printing and the dimensional print with emphasis on the development of individual concepts.

ART 3500C Intermediate Painting (3) FA ART
An extension of the skills and concepts introduced in Beginning Painting with an emphasis on individual experimentation and the development of advanced critical and technical skills in the discipline. The course is repeatable up to 9 hours.

ART 3702C Intermediate Sculpture (3) FA ART
This course expands upon the principles and processes introduced in Beginning Sculpture, developing a higher level of technical competence and critical sophistication. Intermediate Sculpture is prerequisite to Multiples, Molds and Bronzecasting and to Site, Installation, Performance. Repeatable up to 9 hours.

ART 3712C Multiples, Molds, and Bronzecasting (3) FA ART
PR: ART 2701C. Continued studies and projects in sculpture with an emphasis on multi-specific sculpture, installation and performance. A critical and cultural awareness of contemporary issues and media in sculpture will be developed through studio projects assigned readings, discussions, critiques and demonstrations. The course may not be repeated for credit.

ART 3935 Studio Techniques: Selected Projects (2) FA ART
PR: DPR. Concentration in specialized technical data and process.

ART 3939 The Real World (2) FA ART
Restricted to studio majors, this course provides students the opportunity to analyze their experiences as art majors and explore options available to visual artists upon completion of their degree.

ART 4111C Advanced Ceramics (3) FA ART
PR: AR 3111CC. Continued problems in ceramics.

ART 4223 Advanced Electronic Media (3) FA ART
PR: ART 2222 or DPR. Advanced exploration of issues and practices involved in the creation of experimental computer art. The course continues as an interdisciplinary approach to electronic media with a focus on individual and group projects.

ART 4320C Advanced Drawing (3) FA ART
PR: ART 2301C. Continued projects in drawing.

ART 4402C Advanced Printmaking (3) FA ART
PR: ART 2400C. This course is designed as an advanced printmaking studio and emphasizes content and meaning in visual imagery. The student is encouraged to work in a specific printmaking medium (intaglio, relief, lithography or screen printing) and develop a cohesive series of images.

ART 4520C Advanced Painting (3) FA ART
PR: ART 2510C. Continued projects in painting.

ART 4702C Advanced Sculpture (3) FA ART
PR: ART 2701C. Continued problems in sculpture.

ART 4703 Sculpture III (4) FA ART
PR: ART 2702C or ART 3712C. Advanced sculpture study with emphasis on the development of a personal vocabulary in 3-D media.

ART 4806 Theme Studio (3) FA ART
PR: All preparation courses plus course in Studio Workshop I.

ART 4900 Directed Reading (4) FA ART
PR: CI. Registration by contract only. A course of reading and study in an area of special concern governed by student demand, instructor interest and/or department requirements. Registration is by contract only.

ART 4905 Directed Study (1-4) FA ART
PR: CI. Registration by contract only. Independent study in the various areas of Visual Arts. Course of study and credits must be assigned prior to registration.

ART 4930 Selected Topics In Art (2-4) FA ART
The content of this course will be determined by student demand and instructor interest. Open University offerings under this number may not be counted for degree credit for art majors.

ART 4955 Senior Projects (2-4) FA ART
PR: Senior year student. Completion of all art preparation course work. Studio Workshops and one Theme Studio. Restricted to majors. Required of all Art majors. Independent study with professor. Student designed project to be completed before end of senior year. Art projects may include designs for community and public art projects, installation and performance, or a series of works developed within a particular studio discipline, etc.

ART 4970C Senior Thesis (3) FA ART
The creation of a coherent body of advanced level artwork that is supported by a written statement describing processes working procedures, research, context and content of the artwork itself. The course is restricted to majors.
ART 5125C Ceramics (4) FA ART
PR: ART 2111C, DPR. Advanced problems in the various ceramic techniques, including throwing and glaze calculation.

ART 5340C Drawing (4) FA ART
PR: ART 4320C, CI. Advanced problems in various drawing techniques. Emphasis on individual creative expression.

ART 5422C Lithography (4) FA ART
PR: ART 4402C, CI. Advanced problems in various lithographic techniques. Emphasis on individual creative expression.

ART 5472C Intaglio (4) FA ART
PR: ART 4402C, CI. Investigations into more complex intaglio processes including photogravure and color printing procedures. Emphasis on personal conceptual development in graphic media.

ART 5536C Sculpture (4) FA ART
PR: ART 3530C, DPR. Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression.

ART 5910 Research (1-4) FA ART
PR: Registration by contract only.

ART 5938 Studio Techniques: Selected Projects (2) FA ART
PR: DPR. Concentration in specialized media or processes.

ASH 3404 Modern China SS HP AF (4) AS HTY
Political, economic, and social history of China from the time of the first major contact (17th Century) through the consolidation of socialism in the late 1950's, and the Great Leap Forward.

ASH 3501 History of India (4) AS HTY
A study of the major themes of Indian history from the Indus culture to the present. Emphasis will be given to the Classical, Mogul and British periods as well as the modern independent sub-continent.

ASN 3012 Japan Today SS (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3014 China Today AF (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3106 The Middle East AF (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3105 The Pacific Century SS HP AF (3) AS INT
Explores the themes and trends which have affected the entire Asia-Pacific region. Textual material and videos trace the emergence of the modern nations of Northeast and Southeast Asia, focusing on the political and economic development of the past 150 years. (Open University - televised course.)

AST 2005 Astronomy of the Solar System NS (4) AS AST
Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

AST 2006 Stellar Astronomy and Cosmology NS (4) AS AST
An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

AST 2002C Illustrative Astronomy (3) AS AST
Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations.

AST 3033 Contemporary Thinking in Astronomy NS (3) AS AST
PR: Junior or Senior Standing or CI. Seminar designed to assist the learner with the scientific background in contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

AST 3044 Archeoastronomy (3) AS AST
PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting changes of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-Lab.

AST 3652 Navigation (3) AS AST
PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment, spherical astronomy.

AST 3930 Selected Topics in Astronomy (1-4) AS AST
PR: CI. Course content depends upon the interest of the faculty member and student demand.

AST 5506 Introduction to Celestial Mechanics (3) AS AST
PR: MAC 2313 or MAC 2283 and some knowledge of differential equations, or CI. The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

AST 5932 Selected Topics in Astronomy (1-5) AS AST
PR: Senior or advanced junior standing or CI. Intensive coverage of special topics to suit needs of advanced students.

BCH 3023 Introductory Biochemistry (3) AS CHM
PR: CHM 2200 or CHM 2211 and BSC 1010. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.-Lab.

BCH 3023L Basic Biochemistry Laboratory (2) AS CHM CP: BCH 3023. Practical work in determination and characterization of important biomolecules, and enzyme, cyclic AMP, and hormone binding.

BCH 4034 Advanced Biochemistry (3) AS CHM
PR: BCH 3023. An advanced undergraduate course emphasizing such topics as metabolic regulation, DNA and RNA structure and function, receptors, cellular processes, and lipid metabolism.

BCH 5045 Biochemistry Core Course (3) AS CHM
PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.-Lab.

BCH 5105 Biochemistry Laboratory Rotations (1-3) AS CHM
A course in which first year graduate students rotate through selected professor's laboratories to learn techniques, become familiar with ongoing research in the Department and facilitate the selection of a mentor.

BME 5740 Theory and Design of Bioprocesses (3) EN ECH
PR: Senior standing in engineering or CI. Open to majors and non-majors with CI. Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biostems.

BME 5742 Pharmaceutical Engineering (2) EN ECH
PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.

BME 5746 Introduction to Biomedical Engineering (3) EN ECH
PR: Senior or GS standing in engineering or CI. Open to non-engineering students with CI. Introduction to biomedical engineering, including human subject material and energy balances, biomaterials, biocompatibility, cell level and organ level modeling, prosthetic devices, and clinical engineering.

BME 5748 Selected Topics in Biomedical Engineering (1-3) EN ECH
PR: Senior or GS standing in Engineering or CI. Open to non-engineering students with CI. Selected topics in biomedical engineering, including biomedical materials, bioreaction, cardiovascular engineering.

BME 6000 Directed Research in Bioengineering (1-3) EN ECH PR: CI. Directed research in an area of biomedical engineering or engineering biotechnology.

BMS 4402 Principles Of Human Pharmacology NS (3) ME MSG
Not available on S/U basis. Pharmacodynamics (effects), pharmacokinetics (absorption, distribution, metabolism, excretion) and side effects/toxicity of drugs. Designed to provide basic understanding of mechanism of drug action resulting from modifying biological processes.

BOT 3373C Vascular Plants: Form and Function (4) AS BIO PR: BSC 2100, BSC 2100L, BSC 2111, BSC 2111L. Introduction to morphology, physiology, and evolution of vascular plants, integrating form and function to understand diversity. Lec.-Lab.
BOT 3850C Medical Botany (3) AS BIO
PR: BPC 2101, BSC 2011L, CHM 2210. Study of agents that are produced by plants and that are toxic or psychoactive in human beings or are useful as remedies.

BOT 4143C Field Botany (3) AS BIO
PR: BOT 3373C, Identification and classification of native and naturalized flowering plants of Florida including historical, climatic and floristic aspects of plant communities. Conducted largely in the field.

BOT 4223C Plant Anatomy (3) AS BIO
PR: BOT 3373C. Comparative studies of tissue and organ systems of fossil and present-day vascular plants. Functional and phylogenetic aspects stressed.LEC-lab. Course offered every two years.

BOT 4503 Plant Physiology (3) AS BIO

BOT 4503L Plant Physiology Laboratory (1) AS BIO
CP/PR: BOT 4503. Laboratory portion of Plant Physiology.

BOT 4713C Plant Taxonomy (4) AS BIO

BOT 4810C Economic Botany (3) AS BIO
PR: BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, and medicines.

BOT 5185C Marine Botany (4) AS BIO
PR: BOT 3373C, PCB 3043. A field course in marine plants with emphasis on ecology and functional morphology. Field work will stress the ecological aspects of plants in a subtropical marine environment in Florida. LEC/Lab.

BSC 1005 Principles of Biology For Non-Majors (3) AS BIO
No credit for Biology majors. Lectures and demonstrations of selected biological principles, usually taught by television.

BSC 2010L Biology I Cellular Processes Laboratory (1) AS BIO
CP: BSC 2010. Laboratory portion of Biology I Cellular Processes relating to cellular and subcellular structure and function. Mitosis, meiosis, and Mendelian genetics will be stressed.

BSC 2010L Advanced Biology II Diversity Laboratory (3) AS BIO

BSC 2011L Biology II Diversity Laboratory (1) AS BIO
CP: BSC 2011. Laboratory portion of Biology II Diversity relating to organismal structure and function. Microscopy, as well as, plant and animal development will be stressed.

BSC 2022 Biology of Aging NS (3) AS BIO
An introduction to the basic biology of aging. Emphasis will be placed on understanding basic principles of biology relevant to time and the aging process which begins at birth. May be taken by majors for free elective credit.

BSC 2025 Food: Personal and Global Perspectives NS (3) AS BIO
May be taken by biology majors for free elective credit. The application of basic biological principles to human nutritional problems; to learn how various cultures achieve adequate nutrition and how environmental changes impact both personal and global nutrition.

BSC 2030 Save The Planet: Environmental Sciences NS (3) AS BIO
Credit will be given for BSC 2030 or BSC 2050, but not both. An introduction to environmental sciences using mass communications and independent study. Emphasis will be placed on understanding basic principles of ecology relevant to problems and topics of the earth's environment. May be taken by majors for free elective credit.

BSC 2035 Sex and Today's World NS (3) AS BIO
The application of basic biological principles to female and male sexual behavior and reproduction; current social problems are treated from a biological perspective. May be taken by majors for free elective credit.

BSC 2050 Environment NS (3) AS BIO
Credit will be given for BSC 2030 or BSC 2050, but not both. The application of basic scientific principles to global environmental problems, how human activities impact the environment. May be taken by majors for free elective credit.

BSC 2093 Human Anatomy and Physiology I (3) AS BIO
PR: BSC 2010, BSC 2010L and BSC 2011L. This course is the first half of a two-semester series introducing the structure and function of the human body's major organ systems. Cellular and cardiovascular physiology, nervous, endocrine, skeletal, and muscular systems will be covered. May be taken by Departmental majors for free elective credit only.

BSC 2094 Anatomy & Physiology II (3) AS BIO
PR: BSC 2093. PR: BSC 2093. This course is the second half of a two-semester series introducing the structure and function of the human body's major organ systems. The following body systems will be covered: circulatory, lymphatic, immune, respiratory, digestive, urinary, and reproductive. May be taken by Departmental majors for free elective credit only.

BSC 2932 Selected Topics in Biology (1-4) AS BIO

BSC 3263C Marine Biology (3) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. A survey of the marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is placed on shallow water Florida environments.

BSC 4057 Environmental Issues MW (3) AS BIO
Study of biological, economic, ethical, legal, political and social issues relating to constant environmental problems.

BSC 4402L Biological Research Methods (3) AS BIO
PR: BSC 44931 or BSC 4532. Enrollment is limited to Biology Department Honors students. A course to prepare Biology Honors student to work on their Honors theses.

BSC 4905 Independent Study (1-3) AS BIO
PR: CI. S/U only. May be taken by majors for free elective credit. Specialized independent study determined by the student's needs and interests. The written contract required by the Department of Biology specifies the regulations governing independent study.

BSC 4910 Graduate Research (1-4) AS BIO
PR: CI. S/U only. Independent project supervised by faculty. Written contract by Department is necessary prior to registration.

BSC 4931 Honors Seminar I (2) AS BIO
Enrollment is limited to Biology Department Honors students. A course linked to the Biology Department Seminar in which students read publications related to the seminars, discuss the presentations and write critiques.

BSC 4932 Honors Seminar II (3) AS BIO
Enrollment is limited to Biology Department Honors students. A reading and discussion course involving areas of general interest in biology.

BSC 4933 Selected Topics in Biology (1-3) AS BIO

BSC 4970 Biology Honors Thesis (1-3) AS BIO
PR: BSC 4402L and either BSC 4931 or BSC 4932. Enrollment is limited to Biology Department Honors students. S/U only. A thesis based on independent research carried out by the student.

BSC 5931 Selected Topics in Biology (1-3) AS BIO

BTE 4401 Special Teaching Methods: Business Education (4) ED EDV
PR: Successful completion of BE competencies. Methods, techniques, and materials for skill development.

BTE 4909 Directed Study: Business Education (1-3) ED EDV
PR: Senior standing. To extend competency in teaching field.

BTE 4936 Senior Seminar in Business and Office Education (2) ED EDV
PR: Senior standing; CP: BTE 4940. Synthesis of teacher candidate's courses in complete college program.

BTE 4940 Internship: Business Education (1-12) ED EDV
CP: BTE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

BTE 4948 Field-Based Seminar in Business Education (3) ED EDV
PR: CI. S/U only. Supervised field experience and orientation to broaden field business education. Specifically designed to be preparatory for the internship.

BTE 5171 Curriculum Construction: Business Education (3) EDEDV
Curriculum scope, the process of planning and organizing instructional programs with emphasis on task analysis and process evaluation.
BUL 3320 Law And Business I (3) BA GBA
This course covers the nature of legal and societal institutions and environments, and major aspects of public, private, UCC and related business law.

BUL 3321 Law And Business II (3) BA GBA
Pr: BUL 3320. Legal problems in marketing of goods, nature of property, sales of personal property, securing of credit granted, nature and use of negotiable instruments.

BUL 5331 Law and the Accountant (3) BA GBA
Pr: BUL 3320 or CI. A comprehensive study of commercial law as it affects the practice of accounting.

CAP 5400 Digital Image Processing (3) EN ESB
Pr: EEL 4851 C or GS. Image formation, sources of image degradation, image enhancement techniques, edge detection operators and threshold selection, low-level processing algorithms for vision, image data compression.

CAP 5625 Introduction to Artificial Intelligence (3) EN ESB
Pr: EEL 4851 C or GS. Basic concepts, tools, and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, and problem solving strategies.

CAP 5682 Expert and Intelligent Systems (3) EN ESB
Pr: EEL 4851 C or GS. Basic concepts, tools and techniques for the design and implementation of expert and intelligent systems. Knowledge representation, inference methods, knowledge acquisition methods, and expert advice. Tools to facilitate construction of expert and intelligent systems.

CBH 4004 Comparative Psychology (3) AS PSY
Pr: PSY 3213 with a grade of C or better, or CI. The study of the evolution of behavior, similarities and differences in capacities for environmental adjustment and for behavioral organization among important types of living beings.

CEE 4034 Construction Management (3) EN EGX
Pr: Fundamentals of construction management. Topics include: general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.

CEE 5035 Construction Management & Planning (3) EN EGX
Pr: EGN 3613C. Fundamentals of construction management. Topics include: general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.

CCJ 3003 Crime and Justice in America SS (4) AS CJP
May be taken by both majors and non-majors for credit. This course is a non-technical survey of the nature of crime in the United States and the ways the criminal justice system seeks to deal with criminal offenders and victims of crime.

CCJ 3024 Survey of the Criminal Justice System SS (3) AS CJ
An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also includes brief coverage of major reported crimes.

CCJ 3204 Substantive Criminal Law (3) AS CJP
Pr: CCJ 3024, CCJ 3610, or CI. Examines the historical basis of the American criminal law system, the substantive elements of the crime, and court procedures.

CCJ 3610 Theories of Criminal Behavior (3) AS CJP
Pr: CCJ 3024. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.

CCJ 3621 Patterns of Criminal Behavior (3) AS CJP
Pr: Junior standing. Reviews the nature and extent of the crime problem. The course will concentrate on major patterns of offender behavior including crimes against the person, property crimes, violent crimes, economic/white collar offenses, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3701 Research Methods in Criminal Justice I (3) AS CJ
Pr: CCJ 3024 or CCJ 3610 or CI. Introduces the student to some of the fundamentals of knowledge-generating processes in criminal justice.

CCJ 4100 Critical Issues in Policing (3) AS CJP
Pr: CCJ 3024 or CCJ 4110 or CI. Focuses on some of the most critical issues in law enforcement today including: understanding and controlling police use of deadly force; police deport; police corruption and criminalization; violence prone police officers; substance abuse by police officers; and administrative review of alleged police brutality.

CCJ 4110 American Law Enforcement Systems (3) AS CJP
Pr: CCJ 3024 or CCJ 4110 or CI. Provides a comprehensive examination of the American law enforcement system at the federal, state, and local levels and an assessment of career opportunities within the community.

CCJ 4200 Environmental Law and Crime (3) AS CJP
Pr: CCJ 3024 or CI. The course provides students with an introduction to issues in the area of environmental crime and environmental law.

CCJ 4273 Criminal Rights and Procedures (3) AS CJP
Pr: CCJ 3024 or CI. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.

CCJ 4300 American Correctional Systems (3) AS CJP
Pr: CCJ 3024 or CCJ 3610 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

CCJ 4316 Correctional Administration (3) AS CJP
Pr: CCJ 3024 or CI. The course provides students with an introduction to issues in correctional administration in both institutional and community corrections.

CCJ 4331 Alternatives to Incarceration (3) AS CJP
Pr: CCJ 3024 or CCJ 3610 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment approaches.

CCJ 4341 Intervention Techniques and Strategies (3) AS CJP
Pr: CCJ 3024 or CCJ 3610 or CI. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.

CCJ 4450 Criminal Justice Administration (3) AS CJP
Pr: CCJ 4110 or CCJ 4100 or CI. This course is designed to provide an in-depth examination of the practical and theoretical aspects of the administration of criminal justice agencies. The major focus will be on law enforcement and correctional agencies.

CCJ 4501 Juvenile Justice Systems (3) AS CJP
Pr: CCJ 3024 or CCJ 3610 or CI. Provides coverage of the juvenile and family courts, their clientele, and the complex of human services agencies and facilities that contribute to efforts at juvenile correctional intervention.

CCJ 4511 Police and Juvenile Delinquency (3) AS CJP
Pr: CCJ 3024 or CI. Focuses on the unique aspects of law enforcement interaction with juveniles and their families. Issues which emerge when working with multi-cultural populations will be discussed. Police efforts at early detection, intervention, and diversion. Interaction with status offenders and children in need of assistance will be a topic of concern.

CCJ 4523 Juveniles’ Rights and Procedures (3) AS CJP
Pr: CCJ 4501 or CI. The course provides students with an introduction to the Juvenile Justice System, particularly with issues on juveniles' rights as they relate to the juveniles in trouble who are processed through the benefits of the system, and with the rights and subsequent procedures that juveniles will encounter as they are processed further through the juvenile justice system or probably transferred to the adult criminal justice system.

CCJ 4540 Juvenile Correctional Alternatives (3) AS CJP
Pr: CCJ 4501 or CI. Focuses on juvenile correctional responses from diversion to the use of secure facilities. How the system attempts to handle status offenders and children in need of supervision will be covered. Diversion, detention, probation, and community-based non-secure facilities will be discussed.

CCJ 4550 Developmental Aspects of Juvenile Delinquency (3) AS CJP
Pr: CCJ 3610 & CCJ 4501 or CI. Provides the student with a developmental/life course perspective of the processes, events, and factors which occur during childhood and adolescence and cause juvenile delinquency. This course focuses on the conditions which are critical in shaping the delinquents' behavior during their formative years.

CCJ 4604 Abnormal Behavior and Criminality (3) AS CJP
Pr: CCJ 3610 or CCJ 4501 or CI. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

CCJ 4652 Juvenile Substance Abuse (3) AS CJP
Pr: CCJ 4501 or CI. Discusses youth and drugs. It will cover such topics as the rates and patterns of the use of different drugs by youths with varying sociodemographic characteristics, the context and effects of use of various drugs, the drugs-crime connection, prevention, early intervention and treatment efforts, and drug use policy.
CCJ 4700 Statistical Research Methods in Criminal Justice II (3) AS CJP
PR: CCJ 3024 or CCJ 3610 or CI. Beginning with the scientific method, the tools commonly used to analyze criminal justice data will be emphasized. Recommended for students who intend to continue their education beyond the B.A. Required of students attending the MA program in CCJ at USF.

CCJ 4801 Private Security Systems (3) AS CJP
PR: Jr. standing plus CCJ 4110, CCJ 3024, CCJ 3610, CCJ 3621 or consent of instructor. An examination of the principles of the security industry, some of the principles of private security systems, and the future role of security systems in society. Credit will be allowed for only one of the following courses: CCJ 3621, CCJ 4110, or CCJ 4201.

CCJ 4900 Directed Readings (1-3) AS CJP
PR: CCJ 3024, CCJ 3610, CCJ 3621, CI. S/U only. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course. (b) A minimum of 9 hours of CCJ 4900 must be registered for prior to enrollment. (c) Credit will be given to individual members of the course. (d) Individual faculty members may add additional requirements at their discretion. No more than six hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major. Course is specifically designed to enable advanced students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the close supervision of a faculty member of the program.

CCJ 4910 Directed Research (1-3) AS CJP
PR: CCJ 3024, CCJ 3610, CCJ 3621, CI. S/U only. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course. (b) A minimum of 9 hours of CCJ 4910 must be registered for prior to enrollment. (c) Credit will be given to individual members of the course. (d) Individual faculty members may add additional requirements at their discretion. No more than six hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major. Course is specifically designed to enable advanced students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the close supervision of a faculty member of the program.

CCJ 4933 Selected Topics in Criminology (3) AS CJP
PR: Junior standing, CCJ 3024, CCJ 3621, CCJ 3610. No more than 9 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major. Lecture course. Topic varies and is designed to address a wide variety of issues in criminology and criminal justice. Open to non-majors with CI.

CCJ 4934 Seminar in Criminology 6A MW (3) AS CJP
PR: Senior standing, CCJ 3024, CCJ 3610, CCJ 3621. S/U only. No more than 9 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the elective hours required for the major. The seminar will consist of placement with one or more of the agencies comprising the criminal justice system. This course will enable the students to gain meaningful field experience related to their future careers. The three-hour block of credit will require a minimum of ten hours of work per week within the host agencies in addition to written reports or reading assignments. See requirements for the B.A. degree in Criminology for the number of hours required.

CDA 3100 Computer Organization (3) EN ESB
PR: PHY 2049 or PHY 2054. Introduction to computer hardware, logic elements and Boolean algebra, computer architecture, the central processing unit, assembly language programming, input/output, and memory.

CDA 3201 Computer Logic and Design (3) EN ESB
PR: CDA 3100 or CDA 3101, CDA 3310, CDA 3312. Advanced coverage of Boolean Algebra, introduction to minimization of combinational logic circuits, analysis and synthesis of sequential circuits, testing of logic circuits, and programmable logic devices. PR: CDA 3100, CR: 3312.

CDA 3201L Computer Logic Design Lab (1) EN ESB
CP: CDA 3201.

CDA 4100 Computer Organization and Architecture (3) EN ESB
PR: EEL 4705. Elements of computer systems; processors, memories and switches. Register transfer representation of a computer. ALUs and their implementation. The control unit. Memory and I/O. Hardware support of system functions.

CDA 4203 Computer System Design (3) EN ESB
PR: CDA 3201, CDA 3201L. Design Methods, Top-down design, Building Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 4203L Computer System Design Lab (1) EN ESB
PR: CDA 3201, CDA 3201L. This lab introduces the student to the concept of system design. Several projects are given including bus-oriented design, processor design, memory-based and communication circuits, and microcomputer-based designs.

CDA 4205 Computer Architecture (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, control units, memory and I/O, and the hardware support of operation systems.

CDA 5405 Modeling Computer System Performance I (3) EN ESB

CDA 5406 Modeling Computer System Performance II (3) EN ESB
PR: CDA 5405. Continuation of Performance Modeling I. Practical limitations. Numerical accuracy and stability. Students will develop a practical modeling program and explore its use.

CEG 4011 Geotechnical Engineering I (3) EN EGX
PR: ECE 3333, EGN 3332. An introduction to the fundamental concepts in soil mechanics with emphasis on soil properties, soil moisture, structure, and shear strength.

CEG 4011L Geotechnical Laboratory (1) EN EGX
CP: CEG 4011. Demonstrates and experiments verifying theoretical bases of Geotechnical Engineering. One hour lecture and two laboratory hours per week.

CEG 4012 Geotechnical Engineering II (3) EN EGX
CP: CEG 4011. Design of retaining walls, earth slopes, foundations to control settlement, soil stabilization and foundations subjected to dynamic loads. Computer applications to soil mechanics will be covered.

CEG 4850 Capstone Geotechnical/Transportation Design MW (3) EN EGX
PR: CEG 4011, TTE 4004. A capstone geotechnical/transportation design experience for seniors in Civil and Environmental Engineering. Design of embankment and pavement bases, Compaction surface, and pavement bases. Design and evaluation of functional design, foundation sizing, complete alignments and coordination, plan preparation, site layout and design, quantity take-off, and bidding.

CEG 5115 Foundation Engineering (3) EN EGX
PR: CP: CEG 4011 or CI. Design of shallow foundations, cantilevered and anchored retaining walls, piling, drilled piers and special foundations. Computer applications to geotechnical engineering are covered.

CEG 5205 Laboratory Testing for Geotechnical Engineers (3) EN EGX
PR: CP: CEG 4011 or CI. Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and application of results to design.

CEG 4020 Software Engineering (3) EN ESB
PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Student will participate in a software development team.

CEG 4022 Software Systems Development (3) EN ESB
PR: EEL 4851C. Consideration of object methodology and object oriented programming. Team analysis, design, and development of complex software systems using software development tools.

CEG 4721 User Interface Design (3) EN ESB
PR: EEL 4851C. An examination of factors influencing the usability of a computer system. Topics include input and output devices, graphic and multi-media interfaces, formats for interaction/communication, human factors, and the evaluation of usability.

CES 3102 Structures I (3) EN EGX
PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Moment area theorems; influence lines; introduction to steel connections. Design.

CES 4000 Structures and The Urban Environment for Non-Engineers 6A MW (3) EN EGX
This course reviews the best works of structural engineering to introduce how current and social context affects structural form, to familiarize students with relevant structural principles, and to introduce the concept of structural art.
CES 4141 Matrix Structural Analysis (3) EN EGX

CES 4561 Computer Aided Structural Design (3) EN EGX
PR: CES 4141. Computer aided structural analysis and design using existing finite element program, static and dynamic loading.

CES 4605 Concepts of Steel Design (3) EN EGX
PR: CES 3102. Introduction to steel design and AISC Manual of Steel Construction. Design of tension members, compression members, beams; beam columns; and bolted, welded, and riveted connections.

CES 4702 Concepts of Concrete Design (3) EN EGX

CES 4720 Capstone Structural/Materials Design (3) EN EGX
PR: EGN 3365, CES 4605, CES 4702. A Capstone Materials design experience for seniors in Civil and Environmental Engineering. This course will provide students with a focused design experience aimed at designed for durability and reliability.

CES 4740 Capstone Structural/Geotechnical/Materials Design MW (3) EN EGX

CES 4742 Concepts of Structural Design (3) EN EGX

CES 4920C Timber and Masonry Design (3) EN EGX
PR: CES 3102. Fundamentals of timber design including beams, columns, connections and formwork. Introduction to masonry design including design of beams, walls, columns, and pilasters.

CES 5105C Advanced Mechanics of Materials I (3) EN EGX
PR: EGN 3331, MAP 2302 Analytical study of the mechanical behavior of deformable solids. Basic concepts, stress and strain transformations, special topics in beams, theory of elasticity, criteria of failure, beams on elastic foundation.

CES 5209 Structural Dynamics (3) EN EGX
PR: CES 3102, EGN 3321. Behavior of structural components and systems when subjected to periodic dynamic loads.

CES 5715C Prestressed Concrete (3) EN EGX
PR: CI. majors only. Fundamental principles of prestressing: calculation of losses; stress analysis and design of simple beams for flexure; and examples of prestressing application.

CGN 3021 Civil Engineering Laboratory (2) EN EGX
PR: CES 3102, EGN 3353 _EGN 3365. A laboratory experience in departmental facilities including the subject areas of materials, fluid and environmental engineering, and computer assisted data acquisition.

CGN 4122 Professional and Ethical Issues in Engineering MW (3) EN EGX
PR: CI. majors only. Specialized independent study determined by the students needs and interests.

CGN 4110 Research in Civil Engineering and Environmental Engineering (1-4) EN EGX
PR: CC.

CGN 4914 Senior Project (2-5) EN EGX
PR: CI. Problem-solving experience and training for seniors in research and design projects. Written final reports are required.

CGN 4905 Independent Study (1-5) EN EGX
PR: CC. S/U only. Specialized independent study determined by the students' needs and interests.

CHM 2030 Introduction to General, Organic and Biochemistry (4) AS CHM
No credit for science majors. High school chemistry and mathematics including algebra are recommended. An introduction to the principles and applications of modern chemistry including the properties of matter, structural view of matter and reactions, qualitative relations in chemical reactions, technological aspects and societal impact.

CHM 2045 General Chemistry I NS (3) AS CHM
PR: One year of high school chemistry and two years of high school mathematics including algebra; or completion of CHM 2040 with grade of C or better. Principles and applications of chemistry including properties of substances and reactions, thermodynamics, atomic-molecular structure and bonding, periodic properties of elements and compounds.
CHM 2045L General Chemistry I Laboratory (1) AS CHM PR: CHM 2045. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046 General Chemistry II NS (3) AS CHM PR: CHM 2045 or CHM 2045L or equivalent. Continuation of General Chemistry. Lec.-dis.

CHM 2046L General Chemistry II Laboratory (1) AS CHM PR: CHM 2046. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.


CHM 2211 Organic Chemistry II (3) AS CHM PR: CHM 2210 or equivalent. Continuation of organic chemistry. Lecture.

CHM 2211L Organic Chemistry Laboratory II (2) AS CHM PR: CHM 2210L, CP: CHM 2211. Continuation of organic chemistry laboratory.

CHM 2332 Selected Topics in Chemistry (3) AS CHM Topics of interest to students relating to chemistry and other sciences.


CHM 3400 Elementary Physical Chemistry I (3) AS CHM PR: CHM 2046, CHM 2046L, MAC 2281 or MAC 2311, PHY 2054, PHY 2056. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

CHM 3401 Elementary Physical Chemistry II (3) AS CHM PR: CHM 3400. Reaction kinetics, enzyme kinetics, macromolecular systems, radiochemistry, molecular spectroscopy, and chemical bonding.

CHM 3402L Elementary Physical Chemistry Laboratory (1) AS CHM PR: CHM 3120C, CP: CHM 3400 and/or CHM 3401. A physical chemistry laboratory with emphasis on modern techniques and instruments. Lab.

CHM 3510 Intermediate Inorganic Chemistry (3) AS CHM PR: CHM 2046, CHM 2046L. Fundamental principles of inorganic chemistry including atomic structure, bonding theories and structural consequences, transition metal chemistry and illustrative laboratory work. Lec.-lab.

CHM 3510L Intermediate Inorganic Chemistry Laboratory (1) AS CHM PR: Two semesters of general chemistry lecture and lab. CP: CHM 3610. Illustrative laboratory work concerning the fundamental principles of inorganic chemistry including atomic structure, bonding, transition metal chemistry, structural consequences and spectroscopic methods.

CHM 4060 Use of the Chemical Literature (1) AS CHM Discussions and assignments using abstracts, bibliographies, indices, encyclopedias, journals, patent files, electronic databases, and other information sources to obtain chemical and technical material and including written and oral presentations. Career information and opportunities also discussed.

CHM 4070 Historical Perspectives in Chemistry 6A MW (3) AS CHM PR: One year of college chemistry; or senior standing and Cl. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

CHM 4130C Methods of Chemical Investigation I (4) AS CHM PR: CHM 3120C, CHM 2211, CHM 2211L, CHM 4060, CHM 4410. Theory and applications of instrumental methods in chemical research, chemical synthesis and analysis; electrochemical and chromatographic techniques. Lec., separation methods, spectrocoppy, statistical analysis of data, computer data handling, and individual projects.

CHM 4131C Methods of Chemical Investigation II (4) AS CHM PR: CHM 4130C. Continuation of CHM 4130C.

CHM 4300 Biomolecules I (3) AS CHM PR: CHM 2211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems. Lec.

CHM 4410 Physical Chemistry I (3) AS CHM PR: CHM 3120C and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Thermodynamics, the states of matter, solutions. Lec., Bodyheads.

CHM 4411 Physical Chemistry II (3) AS CHM PR: CHM 3120C, and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Introduction to quantum mechanics and molecular spectroscopy. Lec.

CHM 4412 Physical Chemistry III (3) AS CHM PR: CHM 4410. Electrochemistry, kinetic theory of gases, chemical kinetics, surface and nuclear chemistry. Lec.

CHM 4611 Advanced Inorganic Chemistry (3) AS CHM PR: CHM 3610C and CHM 4410 or Cl. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.

CHM 4905 Independent Study (1-3) AS CHM PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

CHM 4932 Selected Topics in Chemistry (1-3) AS CHM PR: CI. The course content will depend on the interest of faculty members and student demand.

CHM 4970 Undergraduate Research (1-3) AS CHM PR: CI. S/U only.

CHM 5225 Intermediate Organic Chemistry I (3) AS CHM PR: CHM 2211, CHM 2211L, or equivalent or Cl or GS. This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.

CHM 5226 Intermediate Organic Chemistry II (3) AS CHM PR: CHM 5225 or CI. An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec., Seminars.

CHM 5425 Applications in Physical Chemistry (3) AS CHM PR: CHM 4412 and CHM 4410 or Cl or GS. Applications of chemical theory to chemical systems.

CHM 5452 Polymer Chemistry (3) AS CHM PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. Fundamentals of polymer synthesis, structure, properties, and characterization.

CHM 5621 Principles of Inorganic Chemistry (3) AS CHM PR: CHM 4411, CHM 4610 or Cl or GS. Chemical forces, reactivity, periodicity, and literature in organic chemistry; basic core course. Lec., Lab.

CHM 5631 Selected Topics in Chemistry (1-3) AS CHM PR: CI. The following courses are representative of those that are taught under this title: Natural Products, Stereochemistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Helvetica Chemistry. Lec., Lab.

CHS 4300 Fundamentals of Clinical Chemistry (3) AS CHM PR: BCH 3023. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Clinical chemistry majors must take CHS 4301L concurrently. Lec.

CHS 4301L Clinical Laboratory (2) AS CHM PR: BCH 3023 and Cl, CHM 3120C. CHS 4300 must be taken concurrently. Laboratory experience in some of the most important clinical determinations. CHS 4300 must be taken concurrently. Lec.-Lab.

CHS 4302 Clinical Chemistry Practice (2-12) AS CHM PR: CI. S/U only. Laboratory practice in clinical chemistry laboratorv in the Tampa Bay area.

CIS 4250 Ethical Issues And Professional Conduct 6A MW (3) ENES PR: Senior standing in the Department of Computer Science and Engineering. An introduction to ethical issues arising in the computer sciences, through written analysis and oral presentations of technical situations which involve ethical conflicts.

CIS 4900 Independent Study In Computer Science (1-5) ENES PR: CI. S/U only. Specialized independent study determined by the needs and interests of the student.

CIS 4910 Computer Science Project (2) ENES PR: CIS 4851C. Projects designed to develop individual interests and abilities in computer science involving either computer hardware or software aspects of a well defined proposal.

CIS 4930 Special Topics in Computer Science I (1-4) ENES PR: CI.
CJT 4100 Criminal Investigation (3) AS CJP
PR: CI 1010 or CI 3610 or CI 3601 or CI 3710.
Study of the major components of criminal investigation, with special attention to the scientific aspects of criminal investigation and the management of major cases.

CLA 3103 Greek Civilization HP (3) AS WLE
Study of Greek Civilization from its beginning to the Roman period, with emphasis on social customs, political institutions, and daily life.

CLA 3123 Roman Civilization HP (3) AS WLE
Study of Ancient Roman Civilization with emphasis on social customs, political institutions, and daily life.

CLA 4930 Selected Topics (1-4) AS WLE
Course content depends on student demand and instructor's interest and may range over the whole field of ancient languages, literature, and civilizations. Offerings in a semi-regular basis include Tongues of the Bible and the Bible as History.

CLP 3003 Psychology of Adjustment SS (3) AS PSY
Not for major credit. Genetic, organic, and learned factors involved in the processes of personal adjustment. Applications of mental health principles to everyday living.

CLP 4143 Abnormal Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better, psychology major or CI.
Descriptions, theoretical explanations, research evidence, and treatment of maladaptive behavior.

CLP 4414 Behavior Modification (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI.
Introduction to behavior analysis and applications of principles, behavioral measurement, research designs, and interventions in treatment settings.

CLP 4433 Psychological Tests and Measurement (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Students may not receive credit for both CLP 4433 and EDF 4430. A consideration of the instruments for intellectual and personality assessment including their applications, development, and potential abuses.

CLT 3040 Scientific and Medical Terminology (3) AS WLE
A course in the Greek and Latin word elements used in science and technology.

CLT 3101 Greek Literature in Translation 6A MW (3) AS WLE
Reading and discussion of major works in Greek literature. Special emphasis on the Iliad, the dramatists Aeschylus, Sophocles, Euripides and Aristophanes. Some attention is given to the social and political background of the works. All readings are in English.

CLT 3102 Roman Literature in Translation 6A MW (3) AS WLE
Reading and discussion of major works in Roman literature. Special emphasis is placed on the Aeneid, comedy and satire. Some attention is given to the political background of the works. All readings are in English.

CLT 3370 Classical Mythology HP (3) AS WLE
Study of Greek and Roman myths embodied in classical literature and of their impact on Western civilization. All readings are in English.

COM 2000 Introduction to Communication SS (3) AS SPE
Introduction to the role of language, contexts, and issues in contemporary human communication. Required of Communication majors.

COM 3014 Communication, Gender and Identity (3) AS SPE
Examines the communicative origins and implications of gender roles.

COM 3110 Communication For Business and the Professions (3) AS SPE
For non-majors only. Identification of communication situations specific to business and the professions. Analysis of variables related to communication objectives and preparation of oral presentations in the form of informational reports, conference management, persuasive communications, interviews, and public hearing.

COM 3120 Introduction to Communication Theory in Organizations (3) AS SPE
PR: majors, COM 2000 or CI, non-majors, COM 3120 or COM 3110 or CI. A survey of communication concepts which impact upon organizational effectiveness.

COM 3122 Interview Communication (3) AS SPE
Student must sign up for a one-hour lab if registering for day-time mass lecture class. A study of communication theory relative to interview situations with emphasis on the employment interview, appraisal interview, and persuasive interview. Student must sign up for a one-hour lab unless registering for night section of 3122.

COM 3122L Interview Communication Lab (0) AS SPE
Students must sign up for this course in conjunction with the mass lecture COM 3122 offered during day. Interview laboratory for practice and individual consultation. Open to majors and non-majors.

COM 4020 Communicating Illness, Grief, and Loss 6A (3) AS SPE
PR: Junior/Senior standing or CI. Focus on stories of illness, grief, and loss to make sense of these experiences; to understand the cultural and rhetorical influences on how stories are told, and to explore the context of everyday life, relationships, families, institutions, and culture in which they occur.

COM 4022 Health Communication (3) AS SPE
PR: GS. Application of communication theory and research to the health context, including provider-patient communication, health information campaigns, and health beliefs and behavior. Special attention to the value issues in health communication.

COM 4030 Women and Communication 6A MW (3) AS SPE
Examines women's participation and communication in a variety of contexts. Also offered under Women's Studies.

COM 4124 Communication and Organizational Change (3) AS SPE
PR: COM 3120 or CI. An advanced course covering current issues in organizational transformation (e.g., organizational dialogue, learning organizations, reengineering, work teams), and the role communication processes play in such changes.

COM 4710 Writing Lives 6A (3) AS SPE
PR: Junior/Senior standing or CI. Emphasizes writing stories about our lives and the lives of others as a way to understand, cope with and communicate social experiences.

COM 4942 Communication Intern Seminar (3) AS SPE
PR: Communication major, minimum GPA 3.0, 75 hours completed, 15 hours of core requirements and 9 elective hours completed, and CI. Seminar provides students with an opportunity to put into practice concepts and skills acquired in their study of communication. Weekly seminar sessions augment intern experience. Application for seminar must be submitted one semester prior to seminar offering.

COM 5930 Topics in Communication Studies (3) AS SPE
Topical issues in communication.

COP 2000L Computer Science Laboratory (1) EN ESB
CP: COP 2002. Laboratory for implementation of algorithms in a general purpose computer, development, and potential abuses.

COP 2002 Introduction to Computer Science (3) EN ESB
CP: COP 2000L. Introduction to the concepts of algorithmic formulation of problems for computer solution and the general abstract operations used in the formulation.

COP 2120 SC Cobol Programming I (3) EN ESB
Analysis of ANSI Standard COBOL language elements. Development of file structures and commercial oriented applications.

COP 2121 SC Cobol Programming II (3) EN ESB
PR: COP 2120. Advanced applications of ANSI Standard COBOL. Development of subroutines, relative I-O and data base applications as used in a comprehensive data processing environment.

COP 2200 SC Fortran Programming (3) EN ESB
PR: CGS 2060. No credit for Engineering Majors. Solution of scientifically oriented problems using the FORTRAN language. Particular emphasis is placed on file manipulation and system libraries.

COP 2400 Computer Systems (3) EN ESB
PR: COP 2000L. Principles of computer organization, machine and assembly language program programming.

COP 2510 Programming Concepts (3) EN ESB
PR: MAC 2281 or equivalent. An examination of a modern programming language emphasizing programming concepts and design methodology.

COP 3514 Program Design (3) EN ESB
PR: COP 2510 or comparable introductory programming course. The class extends students' programming knowledge by systematically considering the concepts involved in program design and creation. Students will also build upon their previous programming experience by learning to use the C programming language in a networked environment.

COP 4020 Programming Languages (3) EN ESB
PR: EEL 4851C. An introduction to programming languages, survey of language types and design of translators and interpreters.

COP 4023 Comparison Of Programming Languages (3) EN ESB
PR: EEL 4851C. A comparative study of procedural and nonprocedural computer languages, emphasizing the fundamental differences in information binding, string and data structures manipulation, control and I-O structures in different languages including calculi and linear algebra with symbolic programming systems such as Maple, Mathematica, or Macsyma.

COP 4600 Operating Systems (3) EN ESB
PR: EEL 4851C. Introduction to systems programming. Design of operating systems. Concurrent processing, synchronization, and storage management policies.
COT 3100 Introduction to Discrete Structures (3) EN ESB
PR: MAC 2283 or equivalent. Introduction to set algebra, propositional calculus and finite algebraic structures as they apply to computer systems.

COT 4210 Automata Theory and Formal Languages (3) EN ESB
PR: COT 3100, EEL 4851C. Introduction to the theory and application of various types of computing devices and the languages they recognize.

COT 4400 Analysis Of Algorithms (3) EN ESB
PR: COT 3100, EEL 4851C. Design principles and analysis techniques applicable to various classes of computer algorithms frequently used in practice.

CPO 2002 Introduction to Comparative Politics SS (3) AS POL
Comparison and analysis of representative European and non-Western political systems.

CPO 4034 Politics of the Developing Areas SS AF (3) AS POL
An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

CPO 4204 Government and Politics of Africa SS AF (3) AS AFA
Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.

CPO 4930 Comparative Government and Politics of Selected Countries or Areas (3) AS POL
Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered.

CRW 1100 Selected Topics in Comparative Politics (3) AS POL
Sr./GS. Studies specific substantive areas in Comparative Politics, such as political economy or the politics of specific countries or regions.

CRW 2100 Narration and Description 6A (3) AS ENG
A study of narrative and descriptive techniques in prose. By making the student sensitive to language usage, it is designed to bridge the gap between expository writing and imaginative writing.

CRW 3111 Form and Technique of Fiction 6A (3) AS ENG
A study of short narrative forms such as the anecdote, tale, character sketch, incident, monologue, epistolary story, and short story as they have been used in the development of fiction and as they exist today.

CRW 3112 Fiction I 6A (3) AS ENG
PR: CRW 2100 or CRW 3111. An introduction to fiction writing, beginning with a practical study of the various elements of fiction and proceeding through the many processes of revision to arrive at a completed work of art.

CRW 3121 Fiction II 6A (3) AS ENG
PR: CRW 2100 or CRW 3111. A fiction workshop which provides individual and peer guidance for the student’s writing and which encourages the development of critical skills.

CRW 3311 Form and Technique of Poetry (3) AS ENG
An examination of the techniques employed in fixed forms from the couplet through the sonnet to such varied forms as the Rondell, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are also explored.

CRW 3312 Poetry I (3) AS ENG
PR: CRW 3311. An introduction to poetry writing utilizing writing exercises employing poetic language and devices; the exercises progress to the writing of both rhymed and unrhymed metrical and nonmetrical forms.

CRW 3321 Poetry II (3) AS ENG
PR: CRW 3311, CRW 3312. A poetry workshop which provides individual and peer guidance for the student’s writing and which encourages the development of critical skills.

CRW 4120 Fiction III (3) AS ENG
PR: CRW 2100 or CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop in which works may be carried over from CRW 3121 or longer, as the novel may be begun.

CRW 4320 Poetry III (3) AS ENG
PR: CRW 3311, CRW 3312, CRW 3321. An advanced poetry workshop in which students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses.

CRW 4930 Selected Topics in Creative Writing (3) AS ENG
PR: 12 hours of CRW courses or CI. The focus of the course will be governed by student demand and instructor interest. Topics covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works. May be taken twice for credit with different topics.

CWR 4103 Water Resources Engineering I (3) EN EGX
PR: CWR 2402. A study of the engineering principles involved in sustaining and managing the quantity and quality of water available for human activities with particular emphasis on surface water and ground water hydrology.

CWR 4202 Hydraulics (3) EN EGX
PR: EGN 3353. Fundamental and applied aspects of pipe flow, free surface flow, and unsteady flow for hydraulic systems.

CWR 4545 Water Resources Engineering II (3) EN EGX
PR: EGN 3353, CWR 4202. The course is intended to be a technical elective for students specializing in water resources or environmental engineering. Material in the course covers subsurface hydrology including both soil vadose zone process and the ground water flow.

CWR 4812 Capstone Water Resources/Environmental Design (3) EN EGX
PR: CWR 4202, CWR 4103, ENV 4117, ENV 4502 or CWR 4545. A capstone water resources design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both domestic and industrial water treatment, and water transport systems and hydraulic systems, including drainage, water supply, and flood control.

DAA 2100 Fundamentals Of Modern Dance (2) FA DAN
A studio class for students with a serious interest in concert modern dance. Emphasis on correct alignment, development of strength, rhythmic and dynamic activity as well as spatial and locomotor patterns that underlie work in more advanced contemporary dance.

DAA 2105 Modern Dance I (2) FA DAN
PR: Admission by placement audition. A studio class for students with a serious interest in concert modern dance. Emphasis on correct alignment, development of strength, rhythmic and dynamic activity as well as spatial and locomotor patterns that underlie work in more advanced contemporary dance.

DAA 2200 Fundamentals Of Ballet (2) FA DAN
A studio class for students with a serious interest in Ballet. Emphasis on correct alignment of the body and a progressive development of positions and barre exercises as well as the application of combinations in center work using classical Ballet vocabulary (French terms).

DAA 2205 Ballet I (2) FA DAN
PR: Admission by placement audition. A studio class for students with a serious interest in Ballet. Emphasis on correct alignment of the body and a progressive development of positions and barre exercises as well as the application of combinations in center work using classical Ballet vocabulary (French terms).

DAA 2500 Fundamentals Of Jazz Dance (2) FA DAN
A basic movement course in Jazz Dance involving dance vocabulary, alignment, styles and simple rhythmic movement patterns.

DAA 2604 Jazz Dance (2) FA DAN
PR: Admission by placement audition. A studio class for students with a serious interest in Jazz Dance. Emphasis on precision of movement and the development of style.

DAA 2540 Theatre Dance Styles (2) FA DAN
PR: DAA 2100 or DAA 2200 or CI. Development of technical skills in social and historical dance forms frequently stylized for use by dance choreographers. Forms to be studied will include polka, cloging, waltz, folk, tap dancing, etc.

DAA 2570 Jazz Theatre Dance (3) FA DAN
PR: Admission by placement audition and DAA 3502. Further emphasis on projection, phrasing, rhythmic patterns and dynamics. Solo and ensemble studies leading to performance.

DAA 2760 Tai Chi (2) FA DAN
This course is an introduction to the study of Tai Chi focusing on the philosophy and postures of this martial art.

DAA 2761 Introduction to Yoga (2) FA DAN
This course is designed to provide students with an understanding of basic Yoga philosophy and practice which includes postures, meditation and breath techniques.

DAA 3108 Modern Dance II (3) FA DAN
PR: Admission by placement audition. Study of principles of modern dance technique. Practical work in exercises and movement phrases, utilizing changing rhythms and dynamics. Concert and performance attendance required.

DAA 3109 Modern Dance III (3-4) FA DAN
PR: Admission by placement audition. Continuation of DAA 2104. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance.
DAA 3208 Ballet II (3) FA DAN
PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of simple step combinations in centre work. The use of ballet vocabulary (French terms). Material is covered almost totally as practical work. Classes with a few outside projects. Concert and performance attendance required.

DAA 3209 Ballet III (3-4) FA DAN

DAA 3294 Ballet Variations (1) FA DAN
PR: DAA 3200 series or instructor approval. Course provides instruction in various forms of ballet. Semester courses include: Pointe technique, Men’s Class, Character Dance, Spanish Dance and Partnering. Ballet majors are required to complete two semester hours.

DAA 3394 World Dance Topics (1) FA DAN
Students will experience fundamental knowledge of dance representing various world cultures. In addition to a dance/movement component, a connection will be made to historical, spiritual, religious, ethnological and environmental indigenous aspects of people involved in dance as a cultural experience. May be repeated up to 4 credit hours.

DAA 3514 Choreography I (2) FA DAN
PR: DAN 3614, CP DAA 2104 or above. Study and execution of basic principles of composition. Preparation of studies in theme and variations, breath phrases and metric phrases.

DAA 3515 Choreography II (2) FA DAN
PR: DAA 3614. Preparation of studies in rhythm, dynamics, form and motivation.

DAA 3624 Dance Improvisation (2) FA DAN
For majors and non-majors. Exploring various methods of spontaneity in creating dance movement in individual and group situations. Structured and unstructured approaches will be explored.

DAA 3654 Repertory (1) FA DAN
PR: Admission by audit or CC. The development and performance of solo and/or group dances.

DAA 3686 Performance (1) FA DAN
PR: Admission by audit or CC. Open to all university students proficient in dance techniques and concurrently enrolled on Technique. Rehearsal and performance of works presented by the department.

DAA 4111 Modern Dance IV (4) FA DAN
PR: Admission by placement audition or CI. Intense work on the growth of personal performance styles. Equal emphasis will be given to training the body in the development of technical excellence. May be repeated.

DAA 4117 Ballet IV (4) FA DAN
PR: Admission by placement audition or CI. Perfecting the execution of barre work. Intensification of centre work. More stress on aesthetic quality of movement and phrasing. Students expected to be proficient in centre work. Outside projects, concerts, and performances are required.

DAA 4404 Movement Analysis (2) FA DAN
Specialized study in movement theories, body alignment, and movement patterns focusing on the scientific and analytical basis of movement in dance with consideration for developmental processes, technique, creative expression, and performance.

DAA 4616 Choreography III (2) FA DAN
PR: DAA 3615 or CI; CP: DAA 3109 or above. Work directed toward duets and group dances. The students will submit choreographic ideas for instructor's approval, then proceed with rehearsals. Lec-lab., reading. Rehearsal hours to be arranged.

DAA 4617 Choreography IV (2) FA DAN
PR: DAA 4702. The student will prepare studies based on free form, minimal art, and chance methods. Lec-lab., reading.

DAA 4694 Senior Choreography Project (1) FA DAN
PR: exploration of original group work and solo within the senior’s major concentration-ballet or modern. To be performed and presented with the concurrence of a faculty advisor.

DAA 4920 Dance Studies (1-4) FA DAN
PR: CI and CC. Dance Major and/or minor. Individual study to extend competency in technique and performance of Dance through participation in special workshops.

DAA 3351 Ethnic/Folk Dance (2) FA DAN
An exploration of ethnic and folk dance forms in various cultures of the eastern and western hemispheres. Students will investigate ways of doing, making, and teaching dances through studio work, videos, performances, and readings.

DAE 4311 Dance Pedagogy: Theory and Practice (3) FA DAN
PR: CI, CC. Designed to provide prospective teachers with opportunities to develop concepts of pedagogy based on principles of teaching/learning dance. Specific sections will focus on Secondary Curriculum and Methods and on Pre-K and Elementary Methods.

DAE 4310 Dance Pedagogy: Pre-School to Elementary (3) FA DAN
This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to Pre-K and elementary students.

DAE 4340 Dance Pedagogy: Secondary Curriculum (3) FA DAN
This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to the secondary curriculum.

DAE 4397 Special Studies Dance Education (3) FA DAN
PR: CI and CC. PR: CI and CC. For majors and non-majors. Designed to provide prospective dance teachers with opportunities to develop concepts of pedagogy based on principles of teaching-learning in dance techniques and choreography. May be repeated up to 9 credit hours.

DAE 4936 Senior Seminar in Dance Education (2) FA DAN
CP: DAE 4940 This course represents a synthesis of the teacher Candidate's courses and is required concurrently with the internship.

DAE 4940 Internship in Dance Education (1-12) FA DAN
CP: DAE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

DAN 2100 Introduction To Dance 6A FA (3) FA DAN
For majors and non-dance majors, a study of art and language of dance through lectures, discussions, concert attendance, and studio practice. Designed to develop awareness and insight of this art form through discussion, observation, writing, and movement experience.

DAN 2160 Entry Seminar (2) FA DAN
This is a study of dance-related career opportunities through lectures, assigned reading and video viewing. This course will aid majors in understanding dance as an aesthetic art form through discussion and critical evaluation.

DAN 2610 Music For Dance (2) FA DAN
PR: DAN 2610 or CI. Development of musical skills in movement studies. Continued study of the inter-relationship of music and dance through movement experiences, observations, video, and writing.

DAN 3420 Introduction to Laban Movement Analysis (3) FA DAN
Laban Movement Analysis is a system which enables one to see, describe and learn movement in a clear, efficient and objective manner. Space, shape, dynamics and human development patterns are categories which are identified by means of lecture, improvisational movement and reading materials.

DAN 3584 Practicum In Dance Production (1-2) FA DAN
A practicum in mounting dance concerts with shop work and backstage participation. Intended for students working in costuming, set preparation, light presentation, stage management and production crew. Dance majors must have at least 2 credits for graduation accumulated in two different semesters. 40 hour lab required.

DAN 4134 Dance History Though the 19th Century 6A XLW (3) FA DAN
Designed for majors and non-majors, this course will present a comprehensive view of the evolution of dance as an art form from its origins through the 19th Century. It is designed to develop awareness and insight through lecture, discussion, video, observation and writing.

DAN 4135 20th Century Dance XMW (3) FA DAN
Designed for majors and non-majors, this course will trace the development of dance as an art form in the 20th Century. It is designed to develop awareness and insight through lecture, discussion, video, observation and writing. Students will be required to attend at least two dance performances.

DAN 4140 Dance Senior Seminar (2) FA DAN
PR: Senior major status. A study of career opportunities in performance, teaching, research, design, and choreography. To aid majors in self-appraisal as artists and develop methods to further their potential in the professional world. Discussion, critical evaluation, and projects.

DAN 4784 Specialized Study in Movement Theory and Body Alignment (2) FA DAN
Analysis of scientific basis of movement for the dancer through the study of body alignment and movement theories related to dance techniques.
DAN 4905 Directed Reading (2) FA, DAN
PR: CI and CC. A contract with all necessary signatures is required for registration. Readings in topics of special interest to the student. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration.

DAN 4905 Directed Reading (1-5) FA, DAN
PR: CI. CC. Independent studies in the various areas of Dance. Course of study may be used to fulfill Junior Project. Must receive approval prior to registration.

DAN 4930 Selected Topics in Dance (1-5) FA DAN
PR: CI and CC. The content of the course will be governed by student and instructor interest.

DEC 4161 Program Management of Distributive and Marketing Education (3) ED, EV
The study of the purposes, processes, organization, planning, directing, coordinating and evaluation of Distributive and Marketing Education Cooperative Programs.

DEP 2004 The Life Cycle (3) AS, DEP
An examination of individuals and the physical, cognitive, person- ality, and social changes which occur throughout the entire life span.

DEP 3103 Child Psychology SS (3) AS, PSY
Not for major credit. Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior.

DEP 2005 Developmental Psychology (3) AS, PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.

DEP 2006 Psychology of Language Development (3) AS, PSY
PR: PSY 3213 with a grade of C or better or CI. Available both to majors and non-majors. Surveys the course of and processes underlying normal language development. Presents data and theory concerning phonological, semantic, syntactic, and pragmatic development.

EAB 4715 Supervised Practicum and Field Experience in Applied Behavior Analysis (1-6) AS, PSY
PR: PSY 4933 with a grade of B or better. Does not count toward major credit (SU only). Field experience in Behavior Analysis in applied settings. Under the supervision, involves the design, implementation and evaluation of behavior analysis methods in applied settings. Includes both field practicum and didactic components. May be repeated for a maximum of 6 hours. Does not count toward major credit(SU only).

EAS 4121 Hydro and Aerodynamics (3) EN, EGR
PR: EML 3701, MAP 2302. Advanced fluid dynamics, ideal and viscous flows, applications to flow around immersed bodies.

ECH 3023C Introduction to Process Engineering (4) EN, ECH
PR: EGN 3358. CP: CHM 4410, ECH 3023L Integration of previous knowledge into the definition of reactors and separation processes, through the hierarchial use of material balance, phenomenological and energy balance equations. Representation of streams as arrows and processes as black boxes in Box Flow Diagrams, BFD. Application of degree of freedom analysis.

ECH 3023L Chemical Engineering Lab I (1) EN, ECH
CP: ECH 3023C. PR:PHY 3048 and 3049 and EGN 3343. The theory and application of chemical engineering instrumental measurement methods: density, temperature, flow, pressure, viscosity, refrac- tive index, humidity, gaseous and liquid composition, and pH/ION selective electrodes (ISE) analyses.

ECH 3358 Basic Thermodynamics, Fluids and Heat Transfer (4) EN, ECH
Introduction to thermodynamic concepts of energy, entropy, work and heat and thermodynamic cycles. Basic concepts of fluid mechanics, including viscous fluids, pipe flow with minor losses, simple fluid machinery, momentum and external flow. Introduction to steady-state conductive and convective heat transfer.

ECH 3702 Instrument Systems I (4) EN, ECH
PR: EGN 3373. Application of discrete logic operations for sensor interfaces and process control situations in Chemical & Mechanical Engineering, use of programmable logic controllers in process control. Introduction to the use of personal computer I/O interface cards of control application.

ECH 4123C Physical and Chemical Equilibria (3) EN, ECH
PR: For majors, ECH 3023C; for non-majors ECH 3023 or CHM 4410. Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Applications to separation processes and reactor design. Lecture/labatory.

ECH 4244L Chemical Engineering Laboratory II (2) EN, ECH
CP: ECH 4415C, EGN 4265C. Chemical Engineering Processes laboratory experiments: fluid flow, heat transfer, phase and chemi- cal equilibria, reacting systems, and process control.

ECH 4264 Transport Phenomena (3) EN, ECH
PR: MAP 2302, EGN 3343. Transport Phenomena, including fluid flow, heat transfer and mass transfer. Mathematical description and solution of fundamental problems including unsteady-state, multi-dimensional in different coordinate systems (rectangular, cylindrical and spherical) and production terms. Estimation of transport coefficients.

ECH 4265C Process Engineering 2: Separation Processes (4) EN, ECH
PR: ECH 3023C, ECH 4264, CHM 4410. Integration of phase equilibria with the principles of fluid mechanics, heat and mass transfer in the description of separation processes. Selection of the number of stages and limiting operating conditions in cascades – NTU and HTU. Sizing of partial condensers and pressure differential in columns. Transfer to single particles.

ECH 4265L Chemical Engineering Lab II (1) EN, ECH
CP: ECH 4265C. Chemical Engineering processes laboratory experi- ments: fluid flow, heat transfer, phase and chemical equilibria, reacting systems, and process control.

ECH 4323C Automatic Control I (4) EN, ECH

ECH 4415C Process Engineering 3: Reacting Systems (4) EN, ECH
PR: CHM 4412, ECH 3023C. Integration of chemical equilibri- um and kinetics, heat transfer and fluid mechanics into the hierarchical description of reacting systems. Analysis and selection of: a- operating conditions, b- chemical kinetic models, and b- contacting models, back-mixed versus plug-flow. Sizing: pressure drop, heat transfer surface and reactor volume.

ECH 4415L Chemical Engineering Lab III (1) EN, ECH
CP: ECH 4415C. Chemical Engineering Processes laboratory experi- ments: fluid flow, heat transfer, reacting systems, and process control.

ECH 44605 Strategies of Process Engineering (3) EN, ECH

ECH 4615 Plant Design MW (3) EN, ECH

ECH 4845 Quantitative Methods in Chemical Engineering (3) EN, ECH

ECH 4905 Independent Study (1-4) EN, ECH
PR: CI. Specialized independent study determined by the student’s needs and interests. Students must have contract with instructor.

ECH 4930 Special Topics in Chemical Engineering I (1-4) EN, ECH
PR: CI.

ECH 4931 Special Topics in Chemical Engineering II (1-4) EN, ECH
PR: CI.

ECH 5265 Transport Phenomena (3) EN, ECH
PR: Senior or GS in Engineering. Basic descriptive equations of fluid, heat, and mass transport. Description and solution to intermediate problems, including unsteady state and multidimensional systems.

ECH 5320 Environmental Reacting Systems (3) EN, ECH
Application of chemical reaction engineering principles to problems in environmental engineering. Basic chemical kinetics and the modeling of batch and continuous systems. Applications to include containment fate and transport and remediation.

ECH 5324 Automatic Process Control II (3) EN, ECH
PR: ECH 4323C or CI, majors only 2 hrs lec., 3 hrs. lab/week. The course covers the role of control systems, z-transforms, and discrete controllers including PID, Dahlin and deadline compensation.
ECH 5747C Selected Topics in Chemical Engineering Biotechnology (1-3) EN ECH
PR: Senior or GS standing in engineering or CI. Open to majors and non-majors with CI. Selected topics in engineering in biotechnology, including cell separation technology, immobilized enzymes and biocatalysts, biofuel production, biohazardous waste, and bioseparations.

ECH 5820 Product Development (2) EN ECH
PR: Senior or GS in Engineering or CI. Introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.

ECH 5930 Special Topics III (1-4) EN ECH
PR: CI.

ECH 5931 Special Topics IV (1-4) EN ECH
PR: CI.

ECO 1000 Basic Economics SS (3) BA ECN
No credit after completing either ECO 2023 or ECO 2013. Survey of economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance.

ECO 2013 Economic Principles (Macroeconomics) SS (3) BA ECN
Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth and balance of payments stability.

ECO 2023 Economic Principles (Microeconomics) SS (3) BA ECN
PR: ECO 2013. Application of microeconomic theory to problems in business decision making with a special focus on price determination. May not receive credit for both ECO 1000 and ECO 3011.

ECO 3101 Intermediate Price Theory (3) BA ECN
PR: ECO 2023. The price system and allocation of scarce resources between competing uses. May not receive credit for both ECO 3100 and ECO 3101.

ECO 3203 Intermediate Macroeconomics (3) BA ECN
PR: ECO 2013 and ECO 3100 or ECO 3101 with a grade of "C" or better. Determination of income, employment, prices, and interest rates. Aggregate demand and aggregate supply.

ECO 3622 American Economic History (3) BA ECN

ECO 3703 International Economics MW (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Role of international trade in the U.S. economy. Gains from trade, balance of payments, trade policy, and exchange rate determination, balance of payments stability, and international commercial policy.

ECO 4105 Advanced Price Theory (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "B" or better. An advanced survey of special topics in microeconomics: borrowing and saving, decision making under uncertainty, markets for capital and labor, game theory, production and exchange efficiency, social welfare, and efficiency consequences of market and non-market allocation.

ECO 4201 Advanced Macroeconomic Theory (3) BA ECN
PR: ECO 3203 with a grade of "B" or better. An advanced analysis of a particular topic or topics in macroeconomics. Areas of study include the theories of money, growth, and business cycles. Discussions of how such theories accord with the data also presented.

ECO 4303 History Of Economic Thought (3) BA ECN
PR: ECO 3203 or ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.

ECO 4323 Radical Political Economy MW (3) BA ECN
PR: ECO 1000 or ECO 2013 or CI. The radical (left) and Marxist schools of thought. ECO 2013 or CI. Examination of radical political economy to problems of advanced capitalist and socialist societies.

ECO 4401 Introduction to Mathematical Economics (3) BA ECN
PR: ECO 2013, QMB 3200, and MAC 2233 or MAC 2230 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 4421 Introduction to Econometrics (3) BA ECN
PR: QMB 3200 with a grade of "B" or better or CI. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions.

Examines problems of auto-correlation, heteroscedasticity, multicollinearity, and other econometric errors.

ECO 4504 Public Finance (3) BA ECN

ECO 4713 International Macroeconomics (3) BA ECN
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.

ECO 4723 International Trade and Policy (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.

ECO 4905 Independent Study (1-3) BA ECN
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 hours.

ECO 4914 Independent Research (1-3) BA ECN
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

ECO 4935 Selected Topics in Economics (1-3) BA ECN
Topics to be selected by the instructor or instructors on pertinent economic issues.

ECP 3201 Economics of Women and Work MW (3) BA ECN
PR: ECO 1000 or ECO 2013 and ECO 2023. Survey of research on women, men and work in the labor market and the household. Focuses on the economic status of women. Includes historical perspective, examination of family as an economic unit, changing work roles, and gender differences in occupation and earnings.

ECP 3203 Labor Economics (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Determinants of wage and employment levels: occupational, industrial and geographical wage differentials; union and public policy effects on labor markets; the economics of discrimination; inflation, and unemployment.

ECP 3302 Environmental Economics MW (3) BA ECN
PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.

ECP 3413 Economics of Regulation and Antitrust (3) BA ECN
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3415 Economics of Institutions to the Global Economy (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Application of economic methods to healthcare topics such as demand for medical care, public and private health insurance, physician and hospital supply of medical care, government regulations, and national healthcare systems.

ECP 3613 Economics of the Urban Environment MW (3) BA ECN
PR: ECO 1000 or ECO 2013 or CI. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transportation, pollution, crime, and fiscal considerations.

ECP 4232 Collective Bargaining and Public Policy (3) BA ECN
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.

ECP 4451 Law and Economics (3) BA ECN
PR: ECO 2023. Advanced analysis of the application of economic impact of tort, criminal, property, and contract law as well as in the formation and adjudication of law.

ECP 4505 Economics of Crime (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions, and corrections.

EC 3013 Economic Development (3) BA ECN
PR: ECO 3003 or CI. Economic development in emerging nations.

EC 4003 Comparative Economic Systems MW (3) BA ECN
PR: ECO 1000 or ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

EDE 4301 Teaching Methods in the Elementary School (3) EDEDE
PR: EDE 4941 and EDG 4620. Techniques and strategies appropriate to instruction of children in educational settings.
EDE 4905 Independent Study: Elementary Education (1-4) EDF
S/U only. Specialized independent study determined by the student's needs and interests.

EDE 4909 Directed Study: Elementary Education (1-4) EDF
PR: Senior standing. To extend competency in teaching field.

EDE 4940 Internship: Elementary Education (10-12) EDF
PR: EDE 4941 and EDE 4942; CP: EDE 4936. S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full day internship in a public or private elementary school.

EDE 4941 Childhood Education Internship Level I (3) EDE
PR: Admission to the Elementary Education. CP: RED 4310, EDG 4620. Concurrent enrollment in EDG 4620-Elementary section. S/U only. Students spend six hours per week in a supervised in-school experience and attend weekly seminar.

EDE 4942 Childhood Education Internship Level II (6) EDE
PR: EDE 4941, RED 4310, EDG 4620. EDF 3122, LAE 4314, EDE 4301, MAE 4310, SCE 4310, LAE 4414, SSE 4313, EME 2040. S/U only. Students spend 12 hours per week in a supervised internship experience in classroom settings and attend a weekly seminar.

EDF 2065 Introduction to Education and Field Experience (3) EDEC
Introductory survey course required for admission into the College of Education. A broad overview of the history, sociology and philosophy of education in the United States focuses on education as a field of study and teaching as a profession. Includes lecture and field experience.

EDF 3122 Learning and the Developing Child (3) EDF
PR: General psychology and admission to College of Education. Preprofessional child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

EDF 3214 Human Development and Learning (3) EDF
PR: General psychology and admission to College of Education. Application of respondent and operant learning principles to classroom learning, teaching models for different instructional goals, analysis of teaching behavior, micro-teaching.

EDF 3228 Human Behavior and Environmental Selection 6A
MW (3) EDF
Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills.

EDF 3542 Philosophy of Education (4) EDF
PR: Upper level standing. A study of philosophy of education with an emphasis on aspects that are relevant to an understanding of the issues and problems of American education.

EDF 3604 Social Foundations of Education (MW) (3) EDF
PR: Upper level standing. Social, economic and political context within which schools function and the values which provide direction for our schools.

EDF 4111 Child Growth and Learning (3) EDF
PR: General psychology and admission to College of Education. Application of selected constructs as they would reflect developmentally appropriate practices in early childhood learning settings.

EDF 4131 Learning And The Developing Adolescent (3) EDF
PR: General psychology and admission to College of Education. Adolescent growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of the classroom.

EDF 4430 Measurement For Teachers (3) EDO
PR: Upper level standing. Concepts and skills related to designing and delivering classroom tests, evaluating tests, instruction, and student progress; and communicating student achievement. Including application of performance assessment techniques and computer applications for measuring and assessing pupil progress.

EDF 4905 Independent Study: Educational Foundations (1-4) EDF
PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

EDF 4909 Directed Study: Educational Foundations (1-3) EDF
PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

EDF 5136 Adolescence (4) EDF
Study of the educational, intellectual, personality, physical, social and vocational factors in adolescence and their importance for school personnel.

EDF 5285 Programmed Instruction and Teaching Machines (3) ED FD
PR: Principles for programming in several academic subjects.

EDF 5607 Trends in The Social Political Foundations of Schooling in the US (3) EDF
Cutting edge debates re: political, social, and cultural support for formal schooling in the U.S. with historical and sociological perspectives. Satisfies social foundations requirements for Fia. Teacher certification and ESL competency in knowledge of intercultural issues in education.

EDF 5872 American Democracy and Public Education (1) EDF

EDG 2701 Teaching Diverse Populations and Field Experience (3) EDC
Introductory survey course required for admission into the College of Education. Places schools and teaching within the context of the U.S. as a pluralistic society. Topics include: the demographics of diversity, prejudice; elements of culture; American heritage of diversity and its value; and barriers to cultural understanding. Includes lecture and field experience.

EDG 4320 Introduction to Creative Drama (3) FA EDD
This course for classroom teachers introduces the theory and practice of creative drama as it applies to use by elementary, middle school and secondary school teachers. Beginning with a study of dramatic play as it relates to human development, the course includes theoretical and practical applications of educational drama, role-play, theatre games, and role playing and story dramatization.

EDG 4620 Curriculum and Instruction (3) EDC
An introduction to the field of curriculum and instruction. Emphasis is placed on principles of curriculum development and use of instructional strategies. Students will develop, implement, and evaluate a variety of lesson plans.

EDG 4909 Directed Studies (1-4) EDC
PR: Senior standing. Offered only as a scheduled class. Department permit required. To extend competency in teaching field.

EED 2000 Introduction to Early Childhood Education (3) EDEU
An overview of early childhood education with emphasis on its historical development, current theories, and practices.

EED 4008 Literature in Early Childhood Education 6A
MW (3) EDEDU
JR/Sr. Standing. Emphasis is placed on developing knowledge of literature for younger children (0-8 yrs.) and methodologies and strategies for utilizing literature to teach literacy in content areas of the curriculum.

EED 4203 Programs for Young Children (3) EDEU
PR: Admission to College of Education. Early Childhood majors only. Develops students’ understanding of historical and social foundations of early childhood education, establishing professional beliefs regarding teaching young children, and developing an appropriate learning environment.

EED 4211 Integrated Curriculum: Science and Mathematics (3) EDEU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of science and mathematical concepts for the appropriate stages of cognitive development of young children. Emphasis will be placed on how science and mathematics are integrated throughout the curriculum and become valued functional tools.

EED 4212 Integrated Curriculum: Social Sciences/Humanities & Art (3) EDEU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of appropriate curriculum experiences in social science, humanities, and arts for kindergarten and primary grades with an emphasis on integrated experiences, and sociological influences such as culture, ethnicity, language and gender impact understanding, values, and learning.

EED 4300 Cognitive Experiences for Young Children (3) EDEU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Emphasizes theoretical and practical aspects of cognitive development for children ages 3 through 6 with focus on planning integrated experiences and content in science, mathematics, and social sciences.

EED 4303 Creative and Affective Experiences for Young Children (3) EDEU
PR: Admission to College of Education. Early Childhood majors only. Develops students’ understanding of young children’s creative expression through art, music, movement, play and drama. Emphasizes how to plan, implement, and evaluate appropriate learning experiences as well as selection of appropriate instructional materials.
EEL 4756 Signal and Image Processing (3) EN ESB
PR: EGN 4450. EEL 4851C. Sampling and quantization of signals and images; frequency-domain representations, transforms; filtering, convolution, and correlation; low-level image analysis algorithms; color images; fast methods and parallelism.
EEL 4851C Distributed Processing and Computer Networks (3) EN ESB
PR: COP 4600, CDA 4100. Design and analysis of distributed processing systems. Covers communication hardware and software, network operating systems, and reliability enhancement techniques.
EEL 4851C Data Structures (3) EN ESB
PR: CDA 3100, COP 3514. Fundamentals of data organization for programs of program efficiency, clarity and simplicity will be addressed.
EEL 4852C Data Base Systems (3) EN ESB
PR: EEL 4651C. Fundamentals of data base management systems. CODASYL network, hierarchical, and relational data base systems are analyzed, and typical applications are presented.
EEL 4905 Independent Study (1-5) EN EGE
PR: CI. S/U only. Specialized independent study determined by the students' needs and interests.
EEL 4906 Professional Issues and Engineering Design MW (2) EN EGE
PR: EEL 4102; CR: EEL 4305, EEL 4512, EEL 4657, EEL 4744. An introduction of engineering design with applications specific to practical engineering problems. Included are discussion of real-world issues as economics, safety, ethics and the environment.
EEL 4935 Special Electrical Engineering Topics I (1-4) EN EGE
EEL 4936 Special Electrical Engineering Topics II (1-4) EN EGE
EEL 4937 Special Electrical Engineering Topics III (1-4) EN EGE
EEL 5250 Power System Analysis (3) EN EGE
PR: EGN 3375. Analysis and design technique for AC power systems.
EEL 5316 Wireless Circuits and System Design Laboratory (3) EN EGE
PR: EEL 4936. An extensive hands-on introduction to wireless radio frequency and microwave circuits and systems, involving modern measurements, fabrication and computer-aided design experiences at both component and subsystem levels. Not available on an S/U basis.
EEL 5316L Wireless Circuits and Systems Design Laboratory (2) EN EGE
PR: EEL 4936. An extensive hands-on introduction to wireless radio frequency and microwave circuits and systems, involving modern measurements, fabrication and computer-aided design experiences at both component and subsystem levels. Not available on an S/U basis.
EEL 5344C Digital CMOS/VLSI Design (3) EN EGE
PR: EEL 4705 or GS. Design, layout, simulation, and test of custom digital CMOS/VLSI chips, using a CMOS cell library and state-of-the-art CAD tools. Digital CMOS static and dynamic gates, flip flops, CMOS array structures commonly used in digital systems. Top down design example of a bit slice processor.
EEL 5356 Integrated Circuit Technology (3) EN EGE
PR: EEL 4351 or GS. Physics and Chemistry of integrated circuit and discrete device fabrication, materials limitations, processing schemes, failure and yield analysis. A laboratory is integral to the course.
EEL 5357 Analog CMOS/VLSI Design (3) EN EGE
EEL 5382 Physical Basis Of Microelectronics (3) EN EGE
PR: EEL 4472 or GS. Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties and continuums with disabilities, their families and those who play an educational role in their lives. The course also addresses cultural and ethnic diversity so as to better analyze the role of ethics and values in decisions made pertaining to individuals with disabilities.
EEL 5347 Microwave Engineering (3) EN EGE
PR: EEL 4472, EEL 4102, or GS. Introduction to passive and active components, devices, and circuits, including transmission lines and wave guides, employed in microwave integrated circuits and systems.
EEL 5407 Microfluidics (3) EN EGE
PR: EEL 4472 or GS. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elementary antennas and arrays.
EEL 5572C Local and Metropolitan Area Networks (3) EN ESB
PR: EEL 4512 or GS. Basics of data communication exchange of digital information over communication media; Basics of LANs/ MANs and its components: media topologies, access methods, etc.; LANs and LAN architectures and protocols-IEEE 802 xLAN Standards; High speed LANs such as FDDI, IEEE 802.6 MAN, etc.; Intermeshing; LAN/MAN Design and selections.
EEL 5581 Digital Control Systems (3) EN EGE
PR: EEL 4657 or GS. Sample data and digital control processes.
EEL 5754C Microprocessor Based Digital Signal Processing (3) EN EGE
PR: EEL 4705 or CR: Arithmetic systems, processing structures, efficient algorithms, DSP hardware, TI, NEC and other DSP microprocessors, multiprocessing software and software. System development, Application to telecommunications and voice processing.
EEL 5771 Introduction to Computer Graphics I (3) EN ESB
PR: EEL 4851C. An introduction to the evolution of computer graphics including point-plotting, line drawing, two-dimensional transformations and graphics software packages.
EEL 5935 Special Electrical Engineering Topics I (1-3) EN EGE
EEL 5936 Special Electrical Engineering Topics II (1-3) EN EGE
EEL 5937 Special Electrical Engineering Topics III (1-3) EN EGE
EEX 4011 Foundations of Special Education (3) ED EDS
DPR. Characteristics and needs of children who have learning disabilities, emotional disabilities, hearing impairments, mental retardation, physical handicaps, speech impairments, visual limitations, and who are gifted and talented.
EEX 4054 Perspectives on Learning and Behavioral Differences (3) ED EDS
<course PR: EEX 4011. The purpose of this course is to introduce students to the historical and theoretical perspectives on educating students with learning and behavioral differences, develop a critical understanding of current practices in service delivery systems, and examine professional issues and trends that impact the future of the field.
EEX 4070 Integrating Exceptional Students in the Regular Classroom (2-3) ED EDS
No credit for department majors. Designed for non-special education majors. Includes basic identification techniques and strategies to promote academic and social integration and interaction of "mainstreamed" exceptional students. Concurrent field experience projects are included.
EEX 4221 Educational Assessment of Exceptional Students (3) ED EDS
PR: EDF 3214 and EEX 4011. Taken concurrently with EED 4941, ELD 4941, or EMR 4941 and EEX 4846. DPR. Introduction to assessment of exceptional students through formal and informal techniques. Emphasis placed on the interpretation of information for educational programming and individualization of instruction.
EEX 4243 Education of the Exceptional Adolescent and Adult (3) ED EDS
PR: EEX 4011 or equivalent or DPR. Procedures for implementing educational programs for exceptional adolescents and adults. Topics include service delivery, curriculum, academic remediation, advocacy, utilization of ancillary services, alternative programs, and community resources.
EEX 4404 Behavior Management for Special Needs and at Risk Students (3) ED EDS
PR: EEX 4011. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Techniques to prevent, analyze, and manage challenging and problem behaviors in the school setting. Special emphasis on understanding and working with students with disabilities.
EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues 6A LW (3) ED EDS
DPR. This course is designed to use literature as a way to interpret the lives of individuals with disabilities, their families and those who play an educational role in their lives. The course also addresses cultural and ethnic diversity so as to better analyze the role of ethics and values in decisions made pertaining to individuals with disabilities.
EEX 4846 Clinical Teaching in Special Education (3) ED EDS
PR: EEX 4011. Taken concurrently with EED 4941, ELD 4941, or EMR 4941 and EEX 4221. DPR. Effective teaching principles, instructional management procedures, and specialized teaching techniques for exceptional students.
EEX 4905 Independent Study: Exceptional Student Education (1-18) ED 0
PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

EEX 4909 Directed Study: Exceptional Student Education (1-3) ED 0
PR: Senior standing. DPR. To extend competency in teaching field.

EEX 4936 Senior Seminar in Exceptional Student Education (1) ED 0

EEX 4940 Internship: Exceptional Student Education (1-10) ED 0
CP: EEX 4936. S/U only. One full semester of internship in an accredited public or private school.

EEX 4941 Practicum in Exceptional Student Education (1-4) ED 0
CP: Sem I: EEX 4011; Sem II: EEX 4004; Sem III: EEX 4221 and EEX 4846. Designed to provide teacher candidates with carefully planned and supervised clinical experiences with exceptional students presented in a variety of settings. Candidates demonstrate the ability to apply concepts, theories and research. Repeatable up to six credit hours.

EEX 5705 Seminar in Preschool Handicapped (2) ED 0

EGI 4941 Undergraduate Supervised Practicum in Gifted Student Education (1-18) ED 0
PR: EGR 3373. Electrical/electronic circuits and systems.

EGI 5051 Nature and Needs of the Gifted (3) ED 0
This survey course examines the characteristics and educational needs of children and youth who are gifted, including those from special populations. Emphasis is on giftedness as defined historically, nationally and locally. The course also explores changing views of intelligence and talent development related to policy and practice in gifted education as well as the processes of identification and programming.

EGI 5325 Theory and Development of Creativity (3) ED 0
Exploration of the concept of creativity, its factors, measurement, and application to education. Opportunities are given to work with children in a laboratory setting and to prepare materials to be used with small groups of children.

EGN 2031 History of Technology HP (3) ENGB
Covers the evolution of technology and its influence on society from prehistoric man to the modern day. Topics include: seven technological ages of man, methods of producing power, materials, transportation, communication and calculation, and technology and society.

EGN 2080 Light and the Arts: A Quantitative Approach FA (3) ENGB

EGN 2082 History of Electrotechnology HP (3) ENGB
Highlights of the history of electrotechnology and its relation to the development of civilization. The contributions of Volta, Faraday, Morse, Bell, Hertz, Marconi, Franklin, etc. in the context of the development of western civilization. The impact of communications, electronics and computers in the twenty-first century.

EGN 2210 Computer Tools for Engineering (5) ENGB
PR: MAC 2281. Students will be introduced to computer based engineering tools and their application to the solution of engineering problems. The programming language, FORTRAN, will be the most emphasized tool; coverage will also be given to other engineering/mathematical tools such as equation solving tools and spreadsheets.

EGN 3000 Foundations of Engineering (1) ENGB
Introduction to the profession of engineering. Exposure to the different disciplines of engineering incorporate examples of tools and techniques used in design and presentation.

EGN 3211 Statics (3) ENGB

EGN 3231 Dynamics (3) ENGB
PR: EGN 3311. Dynamics of discrete particles; kinematics and kinetics for rigid bodies.

EGN 3331 Mechanics of Materials (3) ENGB
PR: EGN 3311. Stress, strain, Hooke's Law; torsion, beam, column analysis; combined stresses, inelastic effects, limit design. Lec.

EGN 3331L Mechanics of Materials Laboratory (1) ENGB

EGN 3343 Thermodynamics I (3) ENGB

EGN 3383 Basic Fluid Mechanics (3) ENGB

EGN 3398 Thermodynamics, Fluids, and Heat Transfer (4) ENGB
PR: PHY 2049. Thermodynamic concepts of energy, entropy, work and heat and thermodynamic cycles. Basic concepts of fluid mechanics, including viscous fluids, pipe flow with minor losses, simple fluid machinery, momentum and external flow. Steady state convective and conductive heat transfer.

EGN 3385 Materials Engineering I (3) ENGB
PR: CHEM 2045. EGN 3311. Structure and property relationships in engineering materials, i.e., metal, ceramic and polymer systems. Environmental effects are also treated.

EGN 3373 Electrical Systems I (3) ENGB

EGN 3374 Electrical Systems II (3) ENGB

EGN 3420 Engineering Analysis (3) ENGB
PR: MAC 2282. Introduction to aspects of matrix algebra and complex algebra which are essential in engineering: simultaneous equations, connection matrices, basic eigenvalue theory, the complex exponential.

EGN 3443 Engineering Statistics I (3) ENGB
PR: MAC 2282. An introduction to the basic concepts of statistical analysis with special emphasis on engineering applications.

EGN 3613C Engineering Economy I (3) ENGB
A study in analyzing the economic limitations imposed on engineering activities using basic models which consider the time value of money.

EGN 4386 Materials Engineering II (3) ENGB
PR: EGN 3385. Applications and structure property relationships of commonly used engineering materials. Steel, nonferrous alloys and their welding, heat treatment and processing. Introduction to ceramic and polymeric materials.

EGN 4420 Numerical and Computer Methods in Engineering (3) ENGB

EGN 4510 Introduction to Linear Systems (2) ENGB
PR: MAC 2282. Study and application of matrix algebra, differential equations and calculus of finite differences.

EGN 4831 Technology and Society MW (3) ENGB
Non-technical survey of engineering activities: utilities, nuclear power, genetics weaponry, space, etc. Students conduct individual in-depth study of environmental/ethical problem.

EGN 4905 Independent Study (1-5) ENGB
PR: Consent of instructor. Specialized independent study determined by the students' needs and interests.

EGN 4930 Special Topics in Engineering (1-3) ENGB
PR: CI. New technical topics of interest to engineering students.

EGN 4941 Engineering Applications for Vector Analysis (3) ENGB
Vector methods in electromagnetism and fluid mechanics. Vector operators, line and flux integrals, potential and transport theorems, applications.
EGN 5422 Engineering Applications of Partial Differential Equations (3) EN EGB

EGN 5423 Natural Networks and Mathematical Communication (3) EN EGB

EGN 5424 Engineering Applications of Complex Analysis (3) EN EGB
Analytic functions, conformal mapping, residue theory, Laurent series, transforms. Applications to various problems in engineering and physics.

EGN 5425 Engineering Applications of Advanced Matrix Computations (3) EN EGB
Survey of theory and software for matrix computations; factorization methods, least squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.

EGS 1113 Introduction to Design Graphics (3) EN EGB
The student learns to use computer-aided design software, draw sketches, and use AutoCAD. The lab features twenty Pentium II computers running AutoCAD R14.

EIA 3192 Technology Education and Society (4) ED EDV
Introduction to programs, facilities and opportunities in technology education. Emphasis on historical, current and future implications of technology in society.

EIA 4360 Special Teaching Methods: Technology Education (3) ED EDV
Prepares Technology Education instructors with professional competencies for classroom and laboratory settings. Includes the selection of appropriate methods, planning, and delivery of instruction, along with supervision of students in laboratory areas.

EIN 43120 Work Analysis (3) EN EGS
PR: EGN 3613C, EGN 3443, AGC 3074. Operation analysis and workplace design, work measurement, standard data, ergonomics, and labor costs.

EIN 4313C Human Factors (3) EN EGS
Design of man-machine systems, by taking into consideration both human and machine capabilities and limitations.

EIN 4333 Production Control (3) EN EGS
PR: ESI 4312C. Planning and control of production systems. Includes: forecasting and inventory control models, scheduling and sequencing, MRP, CPM/PERT, and resource requirements.

EIN 4335 Facilities Design I (3) EN EGS
PR: EIN 4312C, EIN 4411, EGS 4221, EIN 4333. Design and modification of industrial production and material handling facilities. Basic analysis techniques, use of computer programs, automated warehousing.

EIN 4385 Facilities Design II MW (3) EN EGS
PR: EIN 4364; CP: ESI 4523. CAD/GIEM, complete design of a plant facility. Course to use computers and software geared toward plant design and operation. A team of students is to be responsible for the complete project.

EIN 4411 Manufacturing Processes (3) EN EGS
PR: EGN 3365. The study of basic manufacturing processes and precision assembly. CAD/CAM including NC programming.

EIN 4601L Automation and Robotics (3) EN EGS
PR: EIN 4411. Introduction to the practices and concepts of automation as applied to material handling, inventory storage, material transfer, industrial processes and quality control.

EIN 4933 Special Topics in Industrial Engineering (1-6) EN EGS
Special topics related to economic analysis, optimization, human factors, manufacturing and automation aspect of industrial systems. Repeatable up to 5 credit hours.

EIN 5245 Work Physiology and Biomechanics (3) EN EGS
PR: CC, majors only. Human physiological limitations encountered in design, analysis and evaluation of man-machine systems.

EIN 5322 Principles of Engineering Management (3) EN EGS
Introduction to the fundamentals of planning, organizing and leadership as needed by engineers, scientists, and other professionals in engineering managerial positions.

EIN 5357 Engineering Value Analysis (3) EN EGS
PR: EIN 5219 or equiv., majors only. Statistical models for analyzing engineering alternatives from an economic viewpoint. The use of advanced engineering economy concepts in solving industrial problems.

EIN 5914 Special Industrial Projects I (1-3) EN EGS

EIV 4210 Program Management: Industrial-Technical Education (4) ED EDR
Planning, organizing, motivating and controlling the learning environment in Industrial-Technical Education classroom and laboratories. Program standards for OSHA, program review, record keeping, and budgeting will be examined.

EIV 4360 Special Teaching Methods: Industrial-Technical Education (4) ED EDV
Instructional techniques in industrial-technical education. Vocational Industrial Clubs of America activities may be included.

EIV 5315 Program Management: Diversified Cooperative Training (3) ED EDV
Organization, coordination, and budgeting of adult, cooperative, and special programs.

ELD 4011 Introduction to Specific Learning Disabilities (3) EDEDS
PR: EEX 4011 or DPR. Characteristics, needs and abilities of children with SLD. Emphasis is on theories, issues, trends, and philosophy of problems for such children.

ELD 4905 Independent Study: Specific Learning Disabilities (1-3) EDEDS
PR: DPR. S/U only. Specialized independent study determined by student's needs and interests.

ELD 4909 Directed Study: Specific Learning Disabilities (1-3) EDEDS
PR: Senior standing. To extend competency in teaching field.

ELD 4941 Undergraduate Supervised Practicum in SLD (1-6) EDEDS
PR: EEX 4011. S/U only. Supervised field experiences in assessment, behavior management and clinical teaching with classes for children who have specific learning disabilities.

ELR 3301L EE Circuits Laboratory (1) EN EGE
PR: EGN 3373. Basic circuit theory applications, computer-aided design tools, electrical measurement techniques.

ELR 3302L EE Electronics Laboratory (1) EN EGE

ELR 4316L Wireless Circuits & Systems Design Laboratory (2) EN EGE
An extensive hands-on introduction to wireless radio frequency and microwave circuits and systems, involving modern measurements, fabrication and computer-aided design experiences at both component and sub-system levels. Not available on S/U basis.

EMA 4324 Corrosion of Engineering Materials I (3) EN EGX
PR: EGN 3365L. Principles of electrochemical corrosion and the representation of corrosion processes by polarization diagrams. Origin and prevention of the localized forms of corrosion and approaches to corrosion control.

EMA 5326 Corrosion Control (3) EN EGX
Provide understanding of corrosion fundamentals. Introduce design for corrosion detection, protection, and control. Acquire research and project experience.

EME 2040 Introduction to Computers in Education (3) ED EDK
Introduction to microcomputer technology and its function in the classroom to augment the teaching and learning processes. Topics include the critical evaluation of educational software; conceptualizing uses of computers in the classroom in terms of computer-directed instruction, computer-enhanced instruction, and computer-managed instruction; understanding hardware, using and applying commercial coursework, general applications software, word processors, database managers, etc., and disk operating systems.

EME 5403 Microcomputers in Education (3) ED EDK
A survey course designed to introduce practicing teachers to microcomputer technology and its function in the classroom to augment the teaching and learning processes. Objectives include the evaluation and selection of educational software, classroom use of computers, instructional computing research, generic applications software (word processors, database managers, etc.), programming, disk operating systems, and microcomputer hardware.

EME 5404 Computational Methods (4) EN EGR
PR: MAP 2302. Techniques to solve engineering problems using numerical methods and digital computers. Topics include roots of equations, simultaneous linear equations, numerical integration and differentiation, and computer programming.

EML 3262 Kinematics and Dynamics of Machinery (3) EN EGR
Kinematics of machines and mechanisms; position, velocity, and acceleration analysis of mechanisms; cams, gear trains; inertia forces in mechanisms; flywheels; balancing of rotating masses.
EML 3303 Mechanical Engineering Lab I (3) EN EGR

EML 3500 Mechanics of Solids (3) EN EGR
PR: EGN 3311. Stress and deflection analysis of machine parts, variable loads, endurance limits, fasteners, bearings, power transmission, consideration of pressure and vacuum vessels, elements of design.

EML 3701 Fluid Systems (3) EN EGR
PR: EGN 3343, EGN 3321. Principles of fluid flow; piping and duct systems; fluid machinery: metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 4031 Visual Basic for Engineers and Scientists (3) EN EGR
PR: EGN 3041. Introduces students to the powerful graphical interface language of Visual Basic. Illustrates the use of the language in engineering and science applications.

EML 4106C Thermal Systems and Economics (3) EN EGR
PR: EGN 3343. Power and refrigeration cycles; fuels and combustion; internal combustion engine cycles; co-generation; nuclear energy; methods of economic analysis.

EML 4142C Heat Transfer I (3) EN EGR
PR: EGN3334, CP: EML 3701, EML 3041. Conduction, convection and radiant heat transfer; thermal properties of materials; role of fluid flow in convective heat transfer; design and selection of heat exchangers.

EML 4220C Vibrations (3) EN EGR

EML 4302 Mechanical Engineering Laboratory II (3) EN EGR
PR: EML 3303, EGN 3343. Continuation of EML 3303 with emphasis on material and energy balances, stress analysis and vibrations. Lab: The Team-Project-Time Approach.

EML 4312 Mechanical Controls (3) EN EGR

EML 4419C Heat Power Engineering (3) EN EGR
PR: EML 4106C. The study of large, thermo-electric power conversion for utility systems. Combustion of hydrocarbon fuels, furnace, steam generator and auxiliary equipment design. Topics include control of air emissions, design and performance of combined cycle facilities.

EML 4414C Propulsion I (3) EN EGR
PR: EML 3701, EML 3500 or CI. Introduction to the design of propulsion systems. Basic analysis of internal combustion, jet and rocket engines. Application to ground and air transportation. Advanced propulsion concepts. Special topics for class discussion.

EML 4501 Machine Design (3) EN EGR
PR: EML 3500. Designed to teach students to apply the principles of engineering mechanics, materials and manufacturing to the design/analysis of machine elements and mechanical systems. Emphasis is given toward good design practice as well as pitfalls that can result in a catastrophic failure.

EML 4551 Capstone Design MW (3) EN EGR
CP: EML 4501. Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS, CAD and FEM.

EML 4552 Senior Mechanical Design (3) EN EGR
PR: EML 4551 or CI. Comprehensive design or feasibility study project. In some cases may be a continuation of EML 4551.

EML 4601 Air Conditioning Design (3) EN EGR

EML 4905 Independent Study (1-4) EN EGR
PR: CI. Specialized independent study determined by the student's needs and interests.

EML 4930 Special Topics in Mechanical Engineering (1-4) EN EGR
PR: CI. This course is for the application of thermodynamics, chemistry, dynamics of machinery, electronics and fluid mechanics. Topics covered are: introduction of engines, fuels and combustion, numerical modeling, ignition, fuel systems, balance of reciprocating mechanisms and emission control of exhaust pollutants.

EML 5245 Tribology (3) EN EGR
PR: EML 4501. Introduction to friction, lubrication and wear. Contact of real surfaces, mechanisms of friction, surface failures, boundary lubrication fluid properties, thin film lubrication, thick film lubrication, bearing and lubricant selection.

EML 5325 Mechanical Manufacturing Processes (3) EN EGR
PR: EGN 3365. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.

EML 5422 Internal Combustion Engines (3) EN EGR
PR: EML 4106 or CI. This course is for the application of thermodynamics, chemistry, dynamics of machinery, electronics and fluid mechanics. Topics covered are: introduction of engines, fuels and combustion, numerical modeling, ignition, fuel systems, balance of reciprocating mechanisms and emission control of exhaust pollutants.

EML 5930 Special Topics III (1-4) EN EGR
PR: CC.

EML 5931 Special Topics IV (1-4) EN EGR
PR: CC.

EMR 4011 Mental Retardation and Developmental Disabilities (3) ED EDS
PR: EEX 4011 or equivalent. This course is designed to provide students with a broad introduction to the area of mental retardation and developmental disabilities with particular emphasis on the educational aspects. This course is required by the state for certification in mental retardation.

EMR 4030 Educating the Severely/Profoundly Handicapped (3) ED EDS
PR: EMR 3011 or DPR. Emphasis on educational methods and materials for teaching children with severe/profound handicaps. Practicum/field experience linkage.

EMR 4905 Independent Study: Mental Retardation (1-3) ED EDS
S/U. May be repeated when subjects vary. Specialized independent study determined by the student's needs and interests.

EMR 4909 Directed Study: Mental Retardation (1-3) ED EDS
PR: Senior standing. Offered only as a scheduled class. To extend competency in teaching field.

EMR 4941 Undergraduate Supervised Practicum in Mental Retardation (1-9) ED EDS
PR: EEX 4011. S/U only. DPR. Supervised field experiences in assessment, behavior management, and clinical teaching with children who have mental retardation.

ENC 1101 Composition I 6A EC (3) AS ENG
PR: ENC 1101 and ENC 1102 must be taken in numerical sequence. Instruction and practice in the skills of writing and reading.

ENC 1102 Composition II 6A EC (3) AS ENG
PR: ENC 1101. Instruction and practice in the skills of writing and reading.

ENC 1121 Composition I: Honors 6A EC (3) AS ENG
Reserved for students in the University’s Honors Program. Honors Section of ENC 1101.

ENC 1122 Composition II: Honors 6A EC (3) AS ENG
PR: ENC 1121. Reserved for students in the University’s Honors Program. Honors Section of ENC 1102.

ENC 2210 Technical Writing 6A (3) AS ENG
PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. Effective presentation of technical and semi-technical information.

ENC 3211 Communication for Engineers 6A (3) AS ENG
Focuses on writing concerns of engineers. Deals with the content, organization, format, and style of specific types of engineering documents. Provides opportunity to improve oral presentations. Will not be counted toward the English major.

ENC 3213 Professional Writing 6A (3) AS ENG
PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. Introduction to the techniques and types of professional writing, including correspondence and reports most often found in business, technical, and scientific communities.
ENC 3310 Expository Writing 6A (3) AS ENG
PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. A course teaching the techniques for writing effective prose, excluding fiction, in which student essays are extensively criticized, edited, and discussed in individual sessions with the instructor.

ENC 4260 Advanced Technical Writing (3) AS ENG
PR: ENC 2210, or ENC 3310, or CI. Advanced Technical Writing is a course designed to develop writing skills of a high order: technical exposition, technical narration, description, and argumentation; graphics; proposals, progress reports, research reports; and feasibility reports.

ENC 4311 Advanced Composition (3) AS ENG
PR: ENC 3310 or CI. Instruction and practice in writing effective, lucid, and compact prose, with special emphasis on style, logical argumentation, and critical thinking.

ENC 4931 Selected Topics in Professional and Technical Writing (3) AS ENG
PR: ENC 3213, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student demand and instructor interest. Topics to be covered may include legal writing, the conventions of business writing, and writing for the social sciences.

ENG 4013 Literary Criticism (3) AS ENG
A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature.

ENG 4060 History of the English Language (3) AS ENG
The evolution of language from Anglo-Saxon through Middle English to Modern English. Development of the English lexicon. Changes in the pronunciation, syntactic, and semantic systems; discussion of the forms that have come into common usage.

ENG 4906 Individual Research (1-4) AS ENG
Special permission of chairperson required. Directed study in special projects.

ENG 4907 Directed Reading (3) AS ENG
Readings in special topics.

ENG 4935 Honors Seminar I (3) AS ENG
PR: Admission to English Honors Program (should be taken concurrently with ENG 4936). Variable topics. Students will be expected to participate in class discussion, make formal presentations, and complete a major research project.

ENG 4936 Honors Seminar II (3) AS ENG
PR: Admission to English Honors Program (should be taken concurrently with ENG 4935). Variable topics. Students will be expected to participate in class discussion, make formal presentations, and complete a major research project.

ENG 4970 Honors Thesis (3) AS ENG
PR: ENG 4395, ENG 4936. For students writing honors theses.

ENL 3015 British Literature to 1616 (3) AS ENG
A survey of representative prose, poetry, and drama from its beginnings through the Renaissance, including such poems and plays as Beowulf, Chaucer, Malory, More, Hooker, Skelton, Wyatt, Sidney, Spenser, Shakespeare, Donne, and Jonson.

ENL 3320 British Literature 1616-1700 (3) AS ENG
A survey of 17th Century and Neoclassical Literature, including such figures as Donne, Herbert, Crashaw, Vaughan, Marvell, Milton, Pope, Swift, Johnson, Boswell, and Goldsmith.

ENL 3321 British Literature 1700-1900 (3) AS ENG
The poetry and poetics of the Romantic figures, with attention to the continuing importance of romantic thinking in contemporary affairs and letters; a survey of representative figures of the Victorian and Edwardian periods, including poetry, prose, and drama.

ENL 3323 Shakespeare from an Historical Perspective HP (3) AS ENG
Examines the plays of Shakespeare from the Renaissance to the present, including the influence of the time. Lectures will be available on audio tapes. Will not be counted toward the English major.

ENL 3331 Early Shakespeare (3) AS ENG
A study of the plays of Shakespeare from 1594 to 1603, focusing on the major tragedies and the early comedies.

ENL 3332 Late Shakespeare (3) AS ENG
A study of the plays of the last years of Shakespeare's life, focusing on the tragedies and the late comedies.

ENL 4122 British Novel through Hardy (3) AS ENG
A study of the major British novelists from Fielding to Hardy, focusing on the relationship between the novel and the broader social, political, and intellectual forces of the time.

ENL 4132 British Novel: Conrad to the Present (3) AS ENG
A critical study of British literature from 1900 to the present, with emphasis on such writers as Conrad, Lawrence, Joyce, Woolf, Huxley, Orwell, Burgess, Murdoch, Golding, and others.

ENL 4303 Selected Authors (3) AS ENG
The study of two or three major authors from 1900 to the present in Great Britain. The course may include such writers as Fielding and Austen, Yeats, Joyce and Woolf. Specific topics will vary. May be taken twice for credit with different topics.

ENL 4311 Chaucer (3) AS ENG
An intensive study of The Canterbury Tales and major critical concerns.

ENL 4338 Advanced Studies in Shakespeare (3) AS ENG
PR: ENL 3331 or ENL 3332, or CI. Intensive study of selected plays of Shakespeare, with special attention to significant critical issues and to the Elizabethan and Jacobean cultural setting.

ENL 4341 Milton (3) AS ENG
Study of the poetry and major prose of John Milton, with special emphasis on Paradise Lost.

ENS 1483 English for Foreign Students I (3) AS WLE
A special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension.

ENS 1484 English for Foreign Students II (3) AS WLE
PR: ENS 1483 or CI. A continuation of ENS 1483. Emphasis on reading and writing skills.

ENV 4001 Environmental Engineering (3) EN EGX
CP: ENG 3353. An introduction to various aspects of environmental problems or projects. Topics covered are: air pollution, water pollution, noise, soil, waste management, ionizing radiation, disease transmission, and food protection.

ENV 4101 Air Pollution Control (3) EN GX
PR: ENG 3353. Behavior and effects of atmospheric contaminants and the principles of making measurements in the air environment. Basic concepts of meteorology and control technology are discussed. Regulatory aspects and air pollution standards are covered.

ENV 4417 Water Quality and Treatment (3) EN EGX
PR: ENG 3353 An introduction to municipal water supply and waste water treatment. Topics include water requirements and waste volumes, water quality, physical and chemical treatment processes, and advanced wastewater treatment processes.

ENV 4432 Water Systems Design (2) EN EGX
PR: ENG 3353. A design oriented course which utilizes the theory obtained in the Unit Operations course to design both industrial and domestic water treatment and water transport systems. It emphasizes the design procedures normally used in engineering practice.

ENV 4502 Environmental Unit Operations (3) EN EGX
PR: ENV 4400, ENG 3353, CP: ENV 4001. The theory and design of unit operations normally used in the practice of environmental engineering, such as agitation and mixing of liquids, filtration, leaching, gas absorption, sedimentation and clarification, drying, and evaporation.

ENV 4503 Environmental Unit Processes (3) EN EGX
PR: ECH 3023, ENG 3353, ENV 4001. The theory and design of unit processes normally used in environmental engineering such as coagulation of colloidal materials, water stabilization, water softening and neutralization, ion exchange, adsorption and oxidation processes for removal of iron and magnesium.

ENV 4552 Environmental Unit Operations and Processes (3) EN EGX
PR: ENV 4400, ENV 3353, CP: ENV 4001. The theory and design of unit operations normally used in the practice of environmental engineering, such as agitation and mixing of liquids, filtration, leaching, gas absorption, sedimentation and clarification, drying, and evaporation.

ENV 5010 Solid Waste Engineering (2) EN EGX
Introduction to the principles of integrated municipal solid waste management, recycling, and disposal options. Design of landfill disposal systems.

ENV 5105 Air Resource Management (3) EN EGX
PR: CI. Air pollution source impacts on ambient air quality, modeling, treatment, and removal. Scientific and engineering approaches to air quality management.

ENV 5334 Hazardous Waste Management and Remedial Action (3) EN EGX
PR: ENV 5345 and one of the following: ENV 6347, ENV 6519, ENV 6558, or CI. Major only. Introduction to hazardous waste management and remediation. RCRA regulatory concepts, definitions,
aspects of hazardous waste management from within the plant to final disposition of hazardous waste cleanup leads to CERCLA and its amendments, site investigations, site control; those aspects of treatment that are unique to remedial action. (PR: undergraduate preparation in environmental engineering or an environmental science program)

ENV 5345 Solid Waste Control (3) EN EGX
PR: CI. Introduction to solid waste management, including its definition as an umbrella for hazardous waste: regulatory concepts, waste types, categories, and characterization; cleanup, recycling, facility siting; disposal; thermal treatment. (PR: undergraduate preparation in environmental engineering, or graduate standing in environmental engineering or an environmental science program)

ENVY 5370 Introduction to Entomology (3) AS BIO
PR: BSC 2010 and BSC 2111. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Lec-lab.

ENV 5505 Aquatic Entomology (3) AS BIO
PR: ENY 3004 or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec-lab.

EPI 5051 Advanced Theories in Motor and Physical Disabilities (3) ED EDS
PR: EXEX 4011 or DPR. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system controlling motor, sensory, language, and psychological disorders.

EPI 5321 Educational Strategies for Physically and Multihandicapped Students (3) ED EDS
PR: EPIH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.

ESI 4161C Computers in Industrial Engineering (3) EN EGB

ESI 4221 Industrial Statistics and Quality Control (3) EN EGS
PR: EGN 3443, EIN 4411. Application of statistical techniques to the control of industrial processes. Control charts, acceptance sampling, design of experiments, analysis of variance and regression.

ESI 4244 Design Of Experiments (3) EN EGS
PR: EGN 3443. Activity forecasting model and control. Design and use of inventory control models, both design applicable to engineering analyses. Analysis of variance and regression.

ESI 4312 Deterministic O. R. (3) EN EGS
PR: EGN 4450. An introduction to operations research techniques with particular emphasis on deterministic models. Linear programming, dynamic programming, goal programming, integer programming, and PERT/CPM networks are considered.

ESI 4320 Probabilistic O. R. (3) EN EGS

ESI 4523 Industrial Systems Simulation (3) EN EGS
PR: ESI 4313. A study of the development and analysis of computer simulation models: Monte Carlo, time-slice, and next-event. Introduction to special purpose simulation languages.

ESI 4905 Independent Study (1-5) EN EGS
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

ESI 4911 Senior Project (2) EN EGS
PR: EIN 4364, C: EIN 4333, ESI 4523. Analysis and design of systems in a directed project format. Individual or group work consisting of project proposal, project activities, and final report. Student projects are directed by faculty under chairman's approval.

ESI 5219 Statistical Methods For Engineering Managers (3) EN EGS
Not open to students who have had EGN 3443. Study of statistical methods as applied to engineering management problems involving estimation and prediction under conditions of uncertainty.

ESI 5236 Reliability Engineering (3) EN EGS
PR: ESI 5219 or equiv. majors only: EGN 3443 or equivalent. Fundamental concepts and theories of reliability, components reliability, systems reliability, and reliability analysis.

ESI 5306 Operations Research For Engineering Management (3) EN EGS
Not open to students who have had ESI 4315. ESI 5219 or equiv., majors only. Linear programming, non-linear programming, queuing, inventory, network analysis.

ESI 5356 Manufacturing Systems Analysis (3) EN EGS
PR: CC, majors only. The study of systems of manufacturing entities such as machine tools, robots, and materials handlers. Emphasis is on mathematical description of integrated systems and system simulation model output.

ESI 5522 Computer Simulation (3) EN EGS
PR: ESI 4521 or equiv., majors only. Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

ETG 4931 Special Topics in Technology I (1-5) EN ESB
PR: CI. No credit for Engineering Majors.

ETG 4932 Special Topics in Technology II (1-5) EN ESB
PR: CI. No credit for Engineering Majors.

ETI 4666 Principles of Industrial Operations II (3) EN ESB
PR: CC. No credit for Engineering Majors. Application of techniques developed to the operation of an industrial firm through special design projects.

EUV 2101 Ancient History I HP (3) AS HTY
An introductory survey of ancient history. EUH 2011 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome.

EUV 2102 Ancient History II HP (3) AS HTY
An introductory survey of ancient history. EUH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire, A.D. 395.

EUV 2111 Medieval History I HP (3) AS HTY
A thematic survey of the Middle Ages. EUH 2021 deals with the nascent, Christian civilization of Europe, circa 300-1050 A.D.

EUV 2122 Medieval History II HP (3) AS HTY
A thematic survey of the Middle Ages. EUH 2022 treats the mature medieval civilization of Europe, circa 1050-1200.

EUV 2303 Modern European History I HP (3) AS HTY
A thematic survey of Europe in the modern age. EUH 2030 treats the period from the Renaissance to the French Revolution.

EUV 2301 Modern European History II HP (3) AS HTY
A thematic survey of Europe in the modern age. EUH 2031, from the French Revolution to the present.

EUV 3142 Renaissance and Reformation (4) AS HTY
A history of Europe from the Renaissance to the Thirty Years' War (1400-1618). The cultural, social, and economic characteristics will provide the framework for artistic, philosophical, religious, and political developments.

EUV 3181 Medieval Culture (4) AS HTY
A survey of thought, culture, and art in the Middle Ages. Medieval attitudes as manifested in literature, art, philosophy, education, and religion; with emphasis upon Medieval men's changing perception of himself and his world.

EUV 3185 Viking History (4) AS HTY
The role of the Vikings in the shaping of Western history. A comprehensive survey of their institutions, outlook and daily life. Viking expansion into Europe and North America.

EUV 3188 Medieval Society (4) AS HTY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsman, and the agrarian-urban economy and society which affected their lives.

EUV 3189 Medieval Politics (4) AS HTY
An inquiry into the nature, distribution, and use of political power during the Middle Ages, in such institutions as feudalism, monarchy, cities, and the church.

EUV 3202 History of 17th and 18th Century Europe (4) AS HTY
A history of Europe from the beginning of the Thirty Years' War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUV 3102 History of Nineteenth Century Europe (4) AS HTY
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUV 3206 History of Twentieth Century Europe (4) AS HTY
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

EUV 3401 Classical Greece (4) AS HTY
A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing all of the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.

EUV 3402 Age of Alexander (4) AS HTY
A study focusing on the age of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome's conquest of the eastern Mediterranean.

EUV 3412 Roman Republic (4) AS HTY
A study of the Roman Republic from 509 B.C. to the assassination of Julius Caesar in 44 B.C., with a prelude treating Rome's early
development under royal rule. Political growth and change provide the framework for the treatment.

**EUV 3413 Roman Empire (4) AS HTY**
A study of Imperial Roman from the assassination of Julius Caesar in 44 B.C. to the death of the emperor Constantine in A.D. 337. Emphasized the growth of government of a vast Mediterranean empire including much of the Near East and Europe.

**EUV 3461 German History to 1870 (4) AS HTY**
A political, social, and cultural approach to the history of Germany from 550 through 1870. Emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

**EUV 3462 German History 1870 to the Present (4) AS HTY**
A study of major developments in British history from the 15th century to 1688.

**EUV 3502 British History 1688 to Present (4) AS HTY**
A study of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern democratic welfare state.

**EUV 3574 History of Imperial Russia, 1689-1917 (4) AS HTY**
A survey of social, political, economic, and cultural development in the Russian Empire from Peter the Great to Nicholas II. Topics include the expansion and modernization of the Empire, the culture of the Imperial court, peasant rebellions, social and legal reforms, the role of the West, the collapse of the Romanov dynasty.

**EUV 3576 History of the Soviet Union, 1917-1991 (4) AS HTY**
A study of Soviet society under communism from the Revolution to the collapse of the USSR. Topics include the origins and development of the revolution; socialism; the Gulag; Stalinism and the Great Terror, popular dissent and resistance, the treatment and experience of ethnic minorities, Gorbachev and the dissolution of the Soviet Union.

**EUS 3000 European Studies (3) AS INT**
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

**EUS 3022 Russia SS HP AF (3) AS INT**
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

**EVR 2001 Introduction to Environmental Science NS (3) AS ESP**
CP: EVR 2001L. An introductory lecture course linking the human and physical/ biological world. The lab will develop an understanding of population and resource interactions and complement the lecture course. Field trips.

**EVR 2001L Environmental Science Lab (1) AS ESP**
CP: EVR 2001. A laboratory course linking the human and physical/ biological world. The course will develop an understanding of population and resource interactions and complement the lecture course. Field trips.

**EVR 2861 Introduction to Environmental Policy (3) AS ESP**
An introduction to environmental policy using class lectures, student projects, and independent readings. Emphasis will be placed on understanding basic policy mechanisms and major policy actions relating to environmental issues at the local, national and international level.

**EVR 4027 Wetland Environments MW (3) AS ESP**
PR: PCB 3043 or CI. Study of the general properties and ecology of wetlands, examination of the distribution and functions of wetlands, and consideration of wetland conservation and policies.

**EVR 4900 Directed Readings (1-6) AS ESP**
To provide advanced students with interdisciplinary research experience in areas of specific interest.

**EVT 4905 Independent Study (4) AS ESP**
To provide advanced students with the opportunity for independent study in areas of specific interest.

**EVT 4910 Environmental Science and Policy Project (3) AS ESP**
Open to senior majors only. S/U only. Environmental science project consisting of research in a field related to environmental science/ environmental policy. Supervised by a faculty member.

**EVR 4921 Environmental Science and Policy Seminar (1) AS ESP**
Restricted to senior majors. S/U only. A topical reading and discussion seminar focusing on the interdisciplinary nature of environmental science and environmental policy.

**EVR 4930 Selected Topics (1-4) AS ESP**
Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of Environmental Science, Policy, Ethics and Law included.

**EVR 4940 Environmental Science Internship (3) AS ESP**
Open to senior majors only. S/U only. The purpose of this course is to promote the student's understanding and application of environmental science and policy within a practical organizational context. Contract and report required.

**EVT 4085 History and Principles of Vocational Education (4) EDEEV**
An overview of current policies and principles in vocational education including their historical, sociological, and philosophical bases. Open to majors and non-majors.

**EVT 4084C Professional Development in Industrial Technical Education (1-3) EDE**
Designed for the ITE teacher in forming plans of professional development. Competencies include the development of a personal education philosophy, attributes in creating harmonious school community relationships, and desirable staff and teacher associations.

**EVT 4185 Curriculum Construction: Industrial-Technical Education (4) ED EDV**
Designs the development, implementation and evaluation of effective curricular materials in industrial, technical and health related occupations; includes individualized and self-paced materials. Open to majors and non-majors.

**EVT 4385 Basic Teaching Methods in Vocational Education (4) ED EDV**
Examines the role of the vocational instructor in the teaching learning process; looks at factors that promote and inhibit learning. Reviews a wide variety of instructional approaches, techniques and methods; includes selection of techniques for situations.

**EVT 4387 Assessing Student Skill in Industrial Technical Education (4) ED EDV**
Techniques for assessing student's mastery of skills in industrial/technical education. Focuses on specific competencies including developing and administering performance tests, monitoring student process, and others. Open to majors and non-majors.

**EVT 4582 Vocational Education for Special Needs Students (4) ED EDV**
Focuses on modifying the vocational education curriculum, laboratory, shop, student outcomes, learning activities, tests, media, etc. to accommodate the unique learning needs of minority, handicapped, disadvantaged, non-traditional and other special needs students.

**EVT 4591 Equity in Schools and the Workplace 6A MW (3) ED EDV**
Issues related to gender equity in schools and the workplace. Includes legal, ethical, psychological, sociological, and economic factors; males and females in traditional and non-traditional occupations.

**EVT 4905 Independent Study: Industrial-Technical Education (1-4) ED EDV**
S/U only. Specialized independent study determined by the student's needs and interests.

**EVT 4909 Directed Study: Industrial-Technical Education (1-3) ED EDV**
To extend competency in teaching field.

**EVT 4936 Senior Seminar in Industrial-Technical Education (2) ED EDV**
PR: Senior standing; CP: EVT 4940. Synthesis of teacher candidate's coursework in complete college program.

**EVT 4940 Internship: Industrial-Technical Education (1-12) EDE**
CP: EVT 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours.

**EVT 4946 Supervised Field Experience: Industrial-Technical Education (1-6) ED EDV**
S/U only. Planned supervised functions in the area of specialization and coordinated with selected schools, government, offices, social agencies, businesses and industries on site.
EVT 5359 Preparation and Development for Teaching (4) ED
EDV
The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.
EVT 5504 Social and Community Development (4) ED
EDV
Identifying, assessing, and analyzing, individual, institutional and community needs for the purpose of cooperative program planning, community involvement, and public support.
EXP 4104 Sensory Processes (3) AS
PSY
PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Psychophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.
EXP 4204C Perception (3) AS
PSY
PR: PSY 3213 with a grade of C or better or CI. Topics include sensory and physiological bases of perception and how people process relevant information in their environments.
EXP 4304 Motivation (3) AS
PSY
PR: PSY 3213 with a grade of C or better or CI. A survey of motivational processes and mechanisms from physiological and psychological viewpoints.
EXP 4404 Psychology of Learning (3) AS
PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in conditioning and instrumental learning.
EXP 4523C Cognitive Psychology (3) AS
PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.
EXP 4540 Psychology of Language (3) AS
PSY
Historical survey of relations between psychology and linguistics leading to the emergence of psycholinguistics as a field of study. Current status of theory and research in the field.
FIL 2001 Film: The Language Of Vision 6A FA (4) FA ART
Exploration of the history of creative filmmaking from its beginnings to the present time. Open to both majors and non-majors.<b>FIL 3004 The Film as Mass Communication I: Syntax (3) AS COMM
PR: MMC 2100 and MMC 3602 or DPR. The language, conventions, elements, and patterns of the film medium as related to current models of effective mass communication and new theories of nonverbal communication.
FIL 3201C Beginning Film (3) FA ART
Intermediate problems in film with emphasis on the exploration of materials and media and the development of individual concepts.
FIL 3200 The Film as Mass Communication II: Rhetoric and Stylistics (3) AS COMM
PR: FIL 3004 or DPR. A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture and television films.
FIL 3510 World Cinema FA (4) FA ART
Offers international perspectives through an examination of films from around the world. Each week narrative films from acclaimed directors will be screened, read about and discussed.
FIL 4202C Advanced Film (3) FA ART
PR: FIL 3510C. More advanced projects in filmmaking to further develop works both technically and conceptually.
FIL 4404 Social History of the Film, 1945 to the Present (3) AS COMM
PR: MMC 2100 and MMC 3602 or DPR. The development of the film from 1945 to the present.
FIL 5205C Cinematography (4) FA ART
PR: PGY 4520C. Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions.
FIN 2104 Personal Finance (3) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Survey of the problems and techniques of personal financial planning. Includes consumer credit, insurance, home ownership, and personal investing, with attention given to current economic and legal constraints.
FIN 2106 Introduction to Investments (3) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Emphasizes the operations of the security markets in the U.S. and the risks and returns of alternative investment media. Designed for non-business administration students.
FIN 2935 Selected Topics in Finance (1-6) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business Administration. Topics to be selected by department chairs.
FIN 3233 Money and Banking (3) BA FIN
PR: ECO 2013. Examines the structure and operations of our monetary system, commercial banking, central banking, money, and capital markets, and provides an introduction to monetary theory and policy.
FIN 3403 Principles of Finance (3) BA FIN
PR: ACG 2071 or CI and ECO 2023. Study of the processes, decisions structures, and institutional arrangements concerned with the use and acquisition of funds by a firm. Includes the management of the asset and liability structure of the firm under certain and risky situations. The financial decision process will include and recognize the international as well as domestic aspects of financial management.
FIN 3604 International Finance (3) BA FIN
PR: ECO 2013 and FIN 3403 or CI. Study of factors affecting international business, assessment of risks, international management, finance, institutions and instruments of international business.
FIN 4245 Federal Reserve System and Monetary Policy (3) BA FIN
PR: FIN 3233 or CI. An analysis of the Federal Reserve System, with special emphasis on monetary theory and the formulation and administration of monetary policy.
FIN 4303 Financial Institutions and Markets (3) BA FIN
PR: FIN 3403. A study of financial institutions and their roles in the capital market includes the analysis of financial instruments, the pricing of securities and derivative products, and the analysis of monetary policy.
FIN 4412 Working Capital Management (3) BA FIN
PR: FIN 3403. An examination of short-term financial management; i.e., policies and decisions related to managing the current operations of a firm. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.
FIN 4414 Advanced Corporation Finance (3) BA FIN
PR: FIN 4504. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganization.
FIN 4443 Financial Policies and Strategies (3) BA FIN
PR: FIN 4414. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.
FIN 4461 Financial Statement Analysis (3) BA FIN
PR: FIN 3403. Provides an understanding of the relationship between financial statements provided in accordance with GAAP and the informational content such statements provide. After completing the course, the student should have a better understanding of the usefulness of published financial statements to various users in a variety of circumstances.
FIN 4504 Principles of Investments (3) BA FIN
PR: ECO 2013 and FIN 3403. Survey of the risks and returns of investment media in relation to the investment objectives of individual and institutional investors. Includes an examination of the capital markets, information flows, and analytical techniques in terms of their impact upon the valuation process.
FIN 4514 Advanced Investment Analysis and Management (3) BA FIN
PR: FIN 4504. A comprehensive study of security analysis and portfolio management. The course will utilize a quantitative approach to investment selection and management.
FIN 4805 Independent Study (1-3) BA FIN
PR: CI. S/U only. Specialized independent study determined by the students’ needs and interests.
FIN 4915 Independent Research (1-3) BA FIN
PR: CI. Individual study conducted with instructor and department chairperson. The research project will be mutually determined by the student and instructor.
FIN 4934 Selected Topics in Finance (1-3) BA FIN
Topics to be selected by instructor and department chairperson on pertinent finance issues.
FLE 4290 Technology in the Foreign and Second Language Classroom (3) ED ED
This course prepares pre-service and in-service teachers to infuse technology into foreign language and ESOL instruction. Students
FRW 4100 The French Novel 6A MW LW (3) AS WLE
PR: FFR 3230, FFR 3420 or CI: Study of the most representative novels from the 17th - 20th centuries in France, examining literary movements, ideas, and techniques.
FRW 4101 Introduction to French Drama and Poetry 6A MW LW (3) AS WLE
PR: FFR 3230: A study of the history and poetry of drama. Will include medieval drama, Racine, Corneille, Moliere, Anouilh, Sartre, Ionesco and others. Will also include Villon, Ronsard, DuBellay, Lamartine, Hugo, Vigny, Musset, Baudelaire, Mallarme, Rimbaud, Verlaine, Péguy, Eliard, Apollinaire, Char, and others. Course content may vary from year to year.
FRW 5222 Classical Prose and Poetry (3) AS WLE
PR: FRW 4101. Emphasis on Malherbe, Descartes, Pascal, La Fontaine, and Boileau.
FRW 5225 20th Century Poetry and Theatre (3) AS WLE
FRW 5228 The 20th Century Novel (3) AS WLE
PR: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.
FRW 5314 Classical Drama (3) AS WLE
PR: FRW 4101. Corneille, Moliere, and Racine.
FRW 5415 Literature of the Middle Ages (3) AS WLE
PR: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.
FRW 5425 Literature of the Renaissance (3) AS WLE
PR: FRW 4100 or FRW 4101. A study of Renaissance French humanism including Rabelais, Montaigne, and Plieide poets.
FRW 5445 18th Century Literature (3) AS WLE
PR: FRW 4100. The classical tradition and the new currents of thought in the Age of Enlightenment.
FRW 5553 Pre-Romanticism (3) AS WLE
FRW 5555 Romanticism and Early Realism (3) AS WLE
PR: FRW 4101: A study of the romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo, and Balzac.
FRW 5556 Naturalism and Realism (3) AS WLE
PR: FRW 4100 or FRW 4101. A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and Daudet.
FRW 5934 Selected Topics (1-3) AS WLE
PR: Upper-level undergraduate standing. Study of an author, movement or theme.
GEA 2000 World Regional Geography SS HP AF (4) AS GPY
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, environmental, social, and physical diversity.
GEA 3194 Regional Geography (4) AS GPY
Variable title course to systematically study and compare special regions identified by the instructor.
GEA 3300 Geography of Middle America (4) AS GPY
GEA 3405 Geography of Latin America 6A (4) AS GPY
GEA 3500 Geography of Europe 6A (4) AS GPY
GEA 3554 Geography of the USSR (4) AS GPY
GEA 3600 Geography of Africa (4) AS GPY
GEA 3703 Geography of Asia (4) AS GPY
GEA 2350 Doing Business Around the World SS (3) BA GBA
This course introduces the student to: 1) the nature of international business; 2) the framework of international organizations and the monetary system within which international business functions; 3) forces affecting international business, and 4) management responses to problems caused by international environments.
GEA 2935 Selected Topics in Business (1-6) BA GBA
Topics to be selected by department chairs.
GEA 4890 Strategic Management and Decision Making MW (3) BA GBA
PR: Senior standing and FIN 3403, MAN 3025, MAR 3023. The course is intended to provide a unifying and integrating opportunity to tie together concepts, principles, and skills learned separately in other, more specialized courses in Business Administration.
GEB 4905 Independent Study (1-3) BA GBA
PR: CI: S/U only. Specialized independent study determined by the student's needs and interests.
GEB 4915 Independent Research (1-4) BA GBA
PR: CI: Individual study with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.
GEB 4935 Selected Topics in Business Administration (1-4) BA GBA
The content and organization of this course will vary according to the current interests of the faculty and needs of students.
GEO 1930 Geography of Current Events SS (4) AS GPY
Application of basic geographer's principles of the analysis of contemporary events in various parts of the world.
GEO 2041C Map Interpretation (4) AS GPY
Analysis and synthesis of various types of maps and map projects.
GEO 2371 Introduction to Earth Systems Science NS (3) AS GPY
For non-majors only. The application of basic earth system science analysis to environmental problems. Review of impact of human activities on the surface of the earth at local and global scales.
GEO 3013 Introduction to Physical Geography NS (3) AS GPY
CP: GEO 3013L. Principles of physical geography: maps, earth-sun relationships; meteorological, hydrological, pedological, aeolian, and glacial processes; and resultant landforms.
GEO 3013L Introduction to Physical Geography Lab (1) AS GPY
Laboratory portion of introduction to physical geography (GEO 3013).
GEO 3164C Quantitative Methods (4) AS GPY
PR: 12 credit hours in Geography or CI. Statistical analysis in geographic research.
GEO 3180 Digital Thematic Mapping (4) AS GPY
An introduction to the concepts underlying modern, computer-based mapping and to the collection and storage of digital spatial data.
GEO 3402 Human Geography (4) AS GPY
Systematic treatment of human activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.
GEO 3602 Urban Geography (4) AS GPY
PR: GEO 3402 or CI. Spatial analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.
GEO 4114C Geographic Techniques and Methodology (4) AS GPY
PR: GEO 3141C and GEO 3164C, or CI. Selected topics in various geographic techniques and methodologies and their application.
GEO 4131C Remote Sensing of the Environment (4) AS GPY
PR: GEO 3140C and GEO 3164C, or CI. Analysis of satellite images and aerial photographs for studies of the environment.
GEO 4151C Geographic Information Systems (4) AS GPY
PR: GEO 3140C and GEO 3164C, or CI. An introduction to the concepts underlying Geographical Information Systems, with an emphasis on analytical capabilities of such systems in both raster and vector domains.
GEO 4201C Advanced Physical Geography (4) AS GPY
PR: GEO 3013 or CI. Intensive study of a topic selected from physical geography.
GEO 4210 Process Geomorphology (4) AS GPY
PR: GEO 3013 or GLY 2010 or CI. Origin, evolution, and distribution of the landforms of North America.
GEO 4285 Soil Genesis and Classification (3) AS GPY
PR: GEO 3013, or CI. A systematic study of soil genesis and classification with a focus on North American and Florida soils.
GEO 4280C Hydrology (4) AS GPY
PR: GEO 3013 or CI. Introduction to the general principles that govern hydrologic processes. Approaches to hydrologic measurements and the application of hydrologic analyses to water-resource management issues are examined.
GEO 4300 Biogeography (4) AS GPY
PR: GEO 3103 and GEO 3164C, or CI. Analysis of the present and past distribution of species at an intermediate to large spatial scale.
GEO 4340 Natural Hazards (4) AS GPY
PR: GEO 3103 or CI. Examination of the physical, social, economic, political and cultural forces that create the phenomena of natural hazards. Case studies from around the world will include floods, droughts, tornadoes, hurricanes, freezes, heat waves, wild fires, earthquakes, tsunami, and volcanoes.
GEO 4372 Global Conservation 6A MW (4) AS GPY
The distribution, exploitation, and conservation of physical and human resources, ecology.
GEO 4421 Cultural Geography (4) AS GPY
PR: GEO 3402 or CI. The interrelationships of culture and nature, from ancient times to the present.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 4470</td>
<td>Political Geography</td>
<td>MW (4) AS GPY&lt;br&gt;PR: GEO 3402 or CI. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions; geopolitics.</td>
</tr>
<tr>
<td>GEO 4502</td>
<td>Economic Geography</td>
<td>(4) AS GPY&lt;br&gt;PR: GEO 3402, GEO 3602, or CI. Intensive examination of issues such as economic restructuring and urban decline, ghetto formation, gentrification, transportation, and policy-making.</td>
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<tr>
<td>GEO 4604</td>
<td>Advanced Urban Geography</td>
<td>MW (4) AS GPY&lt;br&gt;PR: GEO 3402, GEO 3602, or CI. Intensive examination of issues such as economic restructuring and urban decline, ghetto formation, gentrification, transportation, and policy-making.</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>Transportation Geography</td>
<td>(4) AS GPY&lt;br&gt;PR: GEO 3402 and GEO 3164 or CI. General concepts related to the movement of goods and people, with particular emphasis on spatial principles and urban transportation problems and planning.</td>
</tr>
<tr>
<td>GEO 4900</td>
<td>Directed Reading</td>
<td>(1-4) AS GPY&lt;br&gt;PR: 20 hours in geography and CI prior to registration.</td>
</tr>
<tr>
<td>GEO 4910</td>
<td>Individual Research</td>
<td>(1-4) AS GPY&lt;br&gt;PR: 20 hours in geography and CI prior to registration.</td>
</tr>
<tr>
<td>GEO 4933</td>
<td>Geography Colloquium</td>
<td>(1) AS GPY&lt;br&gt;Senior Standing in geography. Weekly topical lectures by faculty and outside speakers. Students will develop a plan for their professional or graduate careers.</td>
</tr>
<tr>
<td>GEO 5134C</td>
<td>Advanced Remote Sensing</td>
<td>(3) AS GPY&lt;br&gt;PR: GS in Geography or GEO 4124C. Study of digital image processing techniques. Topics include principles, geometric and radiometric normalization, and classification algorithms with emphasis on developing.</td>
</tr>
<tr>
<td>GEO 5157</td>
<td>Advanced Geographic Information Systems</td>
<td>(3) AS GPY&lt;br&gt;PR: GS in Geography or CI. Spatial problem solving utilizing GIS mapping and statistical methods. The course is designed to give students hands-on experience in using computerized techniques for geographic analysis.</td>
</tr>
<tr>
<td>GEO 5177</td>
<td>GIS for Non-Majors</td>
<td>(3) AS GPY&lt;br&gt;An introduction to the concepts underlying digital thematic mapping and geographical information systems (GIS) for non-geography majors and non-geography graduate students.</td>
</tr>
<tr>
<td>GEO 5215</td>
<td>Advances in Geomorphology</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4372 or CI. Advanced examination of geomorphic processes and landforms with an emphasis on Florida.</td>
</tr>
<tr>
<td>GEO 5263</td>
<td>Advances in Soils</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4372 or CI. Examination of how earth systems influence soil formation and variation. Details analysis of soils' climosequences, biosequences, toposequences, lithosequences, chronosequences, and anthroposequences.</td>
</tr>
<tr>
<td>GEO 5288</td>
<td>Hydrological Systems</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4372 or CI. A systematic approach to hydrology using the drainage basin as the fundamental unit of analysis used to explore form and process while modeling streams.</td>
</tr>
<tr>
<td>GEO 5347</td>
<td>Advances in Natural Hazards</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4372 or CI. Analysis of natural hazards integrating processes of physical, social, economic, political, and technical forces that affect extreme geophysical events.</td>
</tr>
<tr>
<td>GEO 5475</td>
<td>Advanced Political Geography</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4470 or CI. Advanced investigation of geopolitical issues including: the human construction of territoriality, ethnic relations, the making of nations and states, the geopolitics of localities, and environmental policy making.</td>
</tr>
<tr>
<td>GEO 5545</td>
<td>Advanced Economic Geography</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4502 or CI. An intensive examination of selected issues in economic geography including: regional development and decline; spatial labor market trends; business locational analysis; and comparative economic policy.</td>
</tr>
<tr>
<td>GEO 5605</td>
<td>Contemporary Urban Issues</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 3602; GEO 4604; or CI. Advanced survey of urban issues such as: industrial restructuring and urban development, inner-city ethnic relations, the geopolitics of urban governance, and urban futures.</td>
</tr>
<tr>
<td>GEO 5704</td>
<td>Advanced Transportation Geography</td>
<td>(3) AS GPY&lt;br&gt;PR: GEO 4114; GEO 4700; or CI. Review of transportation issues and analysis, focusing on modeling and planning for flows of goods and people. Provides a hands-on approach to use of GIS for such analysis.</td>
</tr>
<tr>
<td>GER 1120</td>
<td>Beginning German I</td>
<td>(4) AS WLE&lt;br&gt;CP: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of basic German.</td>
</tr>
<tr>
<td>GER 1120L</td>
<td>Beginning German I Laboratory</td>
<td>(1) AS WLE&lt;br&gt;CP: GER 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.</td>
</tr>
<tr>
<td>GER 1121</td>
<td>Beginning German II</td>
<td>(4) AS WLE&lt;br&gt;PR: GER 1120 or equivalent. CP: GER 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing of German.</td>
</tr>
<tr>
<td>GER 1121L</td>
<td>Beginning German II Laboratory</td>
<td>(1) AS WLE&lt;br&gt;CP: GER 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.</td>
</tr>
<tr>
<td>GER 1122</td>
<td>Beginning German III</td>
<td>(3) AS WLE&lt;br&gt;PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.</td>
</tr>
<tr>
<td>GER 2201</td>
<td>Beginning German IV</td>
<td>(3) AS WLE&lt;br&gt;PR: GER 1121 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.</td>
</tr>
<tr>
<td>GER 2240</td>
<td>Conversation I</td>
<td>(3) AS WLE&lt;br&gt;CP: GER 1121. For development of basic conversational skills.</td>
</tr>
<tr>
<td>GER 3420</td>
<td>Composition I</td>
<td>(3) AS WLE&lt;br&gt;A fundamental course for students who have completed GER 2200 or GER 2201.</td>
</tr>
<tr>
<td>GER 3440</td>
<td>German for Business and International Trade</td>
<td>(3) AS WLE&lt;br&gt;PR: GER 2200, or CI. Introduction to the German language in ordinary business transactions.</td>
</tr>
<tr>
<td>GER 3500</td>
<td>German Civilization</td>
<td>(3) AS WLE&lt;br&gt;PR: GER 2200 or GER 2201. Readings in German on the cultural history of Germany.</td>
</tr>
<tr>
<td>GER 4410</td>
<td>Conversation II</td>
<td>(3) AS WLE&lt;br&gt;Free conversation based on the current German idiom.</td>
</tr>
<tr>
<td>GER 4421</td>
<td>Composition II</td>
<td>(3) AS WLE&lt;br&gt;Practical training in modern German usage and differences of style.</td>
</tr>
<tr>
<td>GER 5605</td>
<td>Goethe</td>
<td>(3) AS WLE&lt;br&gt;Selected novels, poems, and stories of the major German authors.</td>
</tr>
<tr>
<td>GET 3100</td>
<td>German Literature in English Translation</td>
<td>MW (3) AS WLE&lt;br&gt;Analysis and interpretation of selected major works of German literature, to be read in English, with regard to their thought content and relevance to out thoughts and actions.</td>
</tr>
<tr>
<td>GEW 4100</td>
<td>Survey of German Literature</td>
<td>(4) AS WLE&lt;br&gt;Old High German and Middle High German literature in modern German translation; the literature of Humanism and Baroque, the classical period.</td>
</tr>
<tr>
<td>GEW 4101</td>
<td>Survey of German Literature</td>
<td>(4) AS WLE&lt;br&gt;The romantic period, 19th and 20th centuries.</td>
</tr>
<tr>
<td>GEW 4900</td>
<td>Directed Study</td>
<td>(1-3) AS WLE&lt;br&gt;Departmental approval.</td>
</tr>
<tr>
<td>GEW 4930</td>
<td>Selected Topics</td>
<td>(1-3) AS WLE&lt;br&gt;Study of an author, movement or theme.</td>
</tr>
<tr>
<td>GEW 5475</td>
<td>20th Century Literature</td>
<td>(3) AS WLE&lt;br&gt;A study of major styles in German literature from 1800 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Tranl, Thomas Mann, Hesse, Kafka, Benn, Brecht.</td>
</tr>
<tr>
<td>GEW 5489</td>
<td>20th Century Literature</td>
<td>(3) AS WLE&lt;br&gt;Present - (3) AS WLE&lt;br&gt;Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.</td>
</tr>
<tr>
<td>GEW 5515</td>
<td>The Enlightenment</td>
<td>(3) AS WLE&lt;br&gt;Selected dramas and critical writings by Lessing, Wieland, Kant.</td>
</tr>
<tr>
<td>GEW 5555</td>
<td>Realism</td>
<td>(3) AS WLE&lt;br&gt;Jenaer circle and Heidelberg circle; the late romantic period, the writers between Classicism and Romanticism.</td>
</tr>
<tr>
<td>GEW 5555</td>
<td>Romanticism</td>
<td>(3) AS WLE&lt;br&gt;Selected works by Grillparzer, Grabbe, Buchner, Hebbel, Heine, Immermann, Stifter, Meyer, Storm, Raabe, Hulshoff, and Wieland.</td>
</tr>
<tr>
<td>GEW 5606</td>
<td>Faust</td>
<td>(3) AS WLE&lt;br&gt;Sources, form, content, and literary significance of Urfaust and Faust.</td>
</tr>
<tr>
<td>GEW 5615</td>
<td>Schiller</td>
<td>(3) AS WLE&lt;br&gt;Selected dramas, philosophical, and aesthetic writings.</td>
</tr>
<tr>
<td>GEW 5934</td>
<td>Selected Topics</td>
<td>(1-3) AS WLE&lt;br&gt;PR: Upper-level or graduate standing. Study of an author, movement or theme.</td>
</tr>
</tbody>
</table>
GLY 2100 History of the Earth and Life NS (3) AS GLY
PR: A course in geology. Required for Geology majors; open to non-majors. Study of the physical and biological history of the earth including evolution of the major groups of organisms, plate tectonics, and interpretation of ancient environments.

GLY 2100L Earth History Laboratory (1) AS GLY
Laboratory study of the history of the earth and life. Required for Geology majors; open to non-majors.

GLY 2930 Selected Topics in Geology (1-3) AS GLY
Does not count toward the geology major. Topical courses in geology of general interest.

GLY 3104 Geologic Time (4) AS GLY
PR: 4 hours of geology, including GLY 2015L, BSC 2010 and BSC 2011 highly recommended. The study of "deep time". Including how it is measured, how it is correlated over the Earth's surface, and how important physical, biologic, and chemical geologic processes have varied with time. Lec-Lab.

GLY 3200 Mineralogy (4) AS GLY
PR: GLY 2010, one year of chemistry, or CI. Principles of crystal chemistry, crystallography and mineralogy with emphasis on common rock-forming minerals. Lec-Lab.

GLY 3311 The Solid Earth: Petrology and Geochemistry (4) AS GLY

GLY 3400C Structural Geology (4) AS GLY
PR: 12 hours of geology, MAC 2147 or equivalent. CI. Study of the origin and development of structural features of the earth's crust. Applications of principles of geology, physics, and mathematics to understanding relationships of strata and interpreting structural features. Study of regional tectonics and major structural provinces. Lec-Lab.

GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure (4) AS GLY
PR: 4 hrs. introductory geology including GLY 20xx (Essential Geology Lab), MAC 2312 or equivalent; PHY 2048. Plate tectonic theory and its implication re: the formation of structural features on outcrop and regional scales. Field and geophysical tools for structural analysis. Required field trip. Lec-Lab.

GLY 3544C The Earth's Surface (4) AS GLY
PR: At least one course in Geology with lab. Principles of weathering, erosion, production, and transport of sediment on the earth's surface, and the resulting geomorphology. Modern sedimentary environments and the process-response systems that govern them. Course is open to anyone with at least one course in geology with lab. Course is not available on S/U basis for geology majors; it is for other majors.

GLY 3710C Introduction to Invertebrate Paleontology (4) AS GLY
PR: GLY 2100. BSC 2010 or equivalent strongly encouraged as background. Lectures cover principles and applications of paleontology, including biostratigraphy, taphonomy, paleoecology, and micro- and macroevolutionary patterns and processes. Labs survey the invertebrate phyla comprising the bulk of the fossil record.

GLY 3720C The Fluid Earth (4) AS GLY
PR: one semester of calculus and physics; two semesters of chemistry; a 2000-level geology course. Physical, chemical and biological processes affecting fluids of the lithosphere, oceans and atmosphere. Water as a geologic medium and global entity. A systems approach. Not available as S/U for geology majors; S/U available for others.

GLY 3850 Geology For Engineers (3) AS GLY
PR: Junior standing in College of Engineering or CI. No credit toward the geology major, or for those with credit for GLY 2010. An examination of geologic materials and processes designed for engineering students; classification and properties of earth materials, surface processes, site investigation techniques, applications of geology to the solution of engineering problems.

GLY 4045 Moons, Planets, and Meteors: An Introduction to Planetary Science XMW (3) AS GLY
PR: Junior standing. Solar System exploration, from Aristote to NASA. Modern views on the origins of meteorites, the Moon, Mars, Venus, and other planetary bodies, and the methods of planetary study. Meteor impacts, their effects, future hazard. Space science as a tool in the study of the Earth. Field trips, lectures, Internet exercises.

GLY 4053 Theories and Arguments about the Earth MW (3) AS GLY
PR: 2000 level geology course. History of thinking about the Earth: context - geologic controversies; emphasis - geologic reasoning.

GLY 4145 Computational Geology (3) AS GLY

GLY 4310 Petrology (4) AS GLY
PR: GLY 3200, CI. The formation of igneous and metamorphic rocks in varying tectonic environments. Emphasis is placed on the identification of igneous and metamorphic rocks in hand specimens and thin sections. Lec-Lab.

GLY 4550 Depositional Systems (4) AS GLY
PR: GLY 4552C. Study of modern sedimentary environments and their relationships to one another in order to understand environments preserved in the rock record. Physical, chemical, and biological aspects of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in the stratigraphic record and the rock record.

GLY 4552C Sedimentary Geology and Geochemistry (4) AS GLY
PR: GLY 2010, GLY 3200, and one year of chemistry. A lecture and laboratory class that integrates knowledge of the lithosphere, atmosphere, biosphere, hydrosphere, and cryosphere to study the sedimentary rock record. Examination of the rock record to solve problems in sedimentary geology.

GLY 4700 (4) AS GLY
PR: Senior or advanced junior standing or CI. Origin, evolution and distribution of land forms and soils. Dynamics of the earth's surface. Lec-Lab-field trips.

GLY 4734 Beaches and Coastal Environments MW (3) AS GLY
A comprehensive introduction to the nature of all coastal environments including beaches, dunes, tidal inlets, estuaries, reefs, and river deltas. Emphasis will be on the natural state of these environments and how human activities have and will impact them. Consideration of coastal management policies including economics, ethics, policy, and environmental law.

GLY 4780 Geological Field Studies (1-3) AS GLY
PR: 1 geology course. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field description techniques introduced. Topic/destination of trip varies. Trip requires camping and vigorous physical activity. Lec Field trip.

GLY 4805 Geology and Development of Modern Africa MW (3) AS GLY
An in-depth look at how geology has affected the politics, history and culture of Africa. Units include the Nile and hydropolitics, deserts and climate, rifting and hominid evolution, and mining and politics.

GLY 4822 Introduction to Hydrogeology (4) AS GLY
PR: GLY 2010, advanced junior or senior standing, one year each physics and calculus or CI. Ground-water flow systems. Ground-water geology, introduction to mathematical models of ground-water flow. Lec-Lab-field trips.

GLY 4905 Independent Study (1-3) AS GLY
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

GLY 4915 Undergraduate Research (1-3) AS GLY
PR: Senior or advanced junior standing and written permission of department prior to registration. S/U only. Individual experimental investigations with faculty supervision.

GLY 4920 Geology Colloquium (1) AS GLY
PR: Senior standing in Geology. S/U only. Weekly topical lectures by faculty, graduate students and invited speakers.

GLY 4921 Geocommunity (3) AS GLY
A course in communicating within the disciplines of the earth sciences. Emphasis will be on: writing for publication and technical reports, preparation and presentation of posters, and preparation and presentation of papers in earth sciences. Course is open to anyone majoring in geology, geography, anthropology or environmental science and policy. Course is not available on S/U basis for geology majors. It is for other majors.

GLY 4921 Geocommunity (3) AS GLY
PR: Twelve (12) or more hours upper level geology courses. A course in communicating within the disciplines of the earth sciences. Emphasis will be on: writing for publication and technical reports, preparation and presentation of posters, and preparation and presentation of oral papers in earth sciences. Course is open
to anyone majoring in geology, geography, anthropology or environ-
mental science as an option. Course is not available on a S/U basis for
geology majors.

GLY 4930 Selected Topics in Geology (1-4) AS GLY
Each topic is a course under the direction of a faculty member with
the content dependent on the interest of the students and faculty
involved. All areas of geology included.

GLY 4947L Practical and Applied Geology (1) AS GLY
PR: at least two upper-level courses required for the major. Modular
course designed to give students field and laboratory experience.
It is composed of one-credit modules taught by various members of
the Geology faculty focusing on a range of geologic issues and
problems.

GLY 4970 Undergraduate Honors Thesis (3) AS GLY
Open to seniors admitted to the Geology undergraduate honors
program. Students will complete an independent research project
under supervision of a faculty member, and present results in a
senior thesis and a public presentation.

GLY 5752 Geologic Field Excursion (2) AS GLY
PR: Senior standing in geology or CI. Lectures and 2-3 week field
excursion to study regional geology, structure and lithogenesis of
geochemically complex terrain. Mapping and outcrop description
techniques are emphasized. Destination of trip varies. Trip requires
camping and vigorous physical activity. Lec-field trip.

GGLY 5955 Statistical Models in Geology (3) AS GLY
PR: STA 2023 or equivalent or CI. Axiomatic approach to statistical
techniques. Emphasis on sampling plans, nature of
dispersal models, and analysis of applications of variance to
solving geologic problems. Lec.

GGLY 5952 Selected Topics in Geology (1-4) AS GLY
PR: Senior or advanced junior standing. Each topic is a course under
the direction of a faculty member. All areas of geology included.

GRE 1120 Beginning Classical Greek I (4) AS WLE
An introductory course in classical Greek grammar with appropriate
readings.

GRE 1121 Beginning Classical Greek II (4) AS WLE
PR: GRE 1120 or equivalent. An introductory course in classical
Greek grammar with appropriate readings.

GRE 2040 New Testament Greek I (4) AS REL
An introduction to an intensive study of the koine Greek of the New
Testament, for beginners. New Testament readings, composition,

GRE 2041 New Testament Greek II (4) AS REL
PR: GRE 2040. Intermediate readings and grammar of the Greek New
Testament.

GRE 2200 Intermediate Classical Greek (4) AS WLE
PR: GRE 1121 or equivalent. Readings in Greek at an intermediate
level.

GRK 1200 Beginning Modern Greek I (4) AS WLE
CP: GRK 1120L. An intensive study of basic skills; pronunciation,
listening comprehension, speaking and some composition.

GRK 1120L Beginning Modern Greek I Laboratory (1) AS WLE
CP: GRK 1120. Concurrent enrollment with a lecture session is
required, and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various
instructional technologies and media.

GRK 1121 Modern Greek II (4) AS WLE
PR: GRK 1120 or its equivalent; CP: GRK 1121L. A continuation of
GRK 1120. An intensive study of basic skills; pronunciation,
listening comprehension, speaking and some composition.

GRK 1121L Modern Greek II Laboratory (1) AS WLE
CP: GRK 1121. Concurrent enrollment with a lecture session is
required, and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various
instructional technologies and media.

GRK 2200 Modern Greek III (4) AS WLE
PR: GRK 1121 or the equivalent. For language students who intend
to attain basic proficiency.

GRK 2201 Modern Greek IV (4) AS WLE
PR: GRK 2200 or its equivalent. Continuation of GRK 2200. Practice
of writing, speaking and listening skills for language students who
intend to attain basic proficiency.

GRK 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in
Modern Greek not available in the regularly scheduled curriculum at
departmental discretion.

GRK 4930 Selected Topics (1-5) AS WLE
Departmental approval required. Course permits classes in Modern
Greek not available in the regularly scheduled curriculum at depart-
mental discretion.

GRW 5905 Directed Reading (1-4) AS WLE
Departmental approval required.

GRW 5934 Selected Topics (4) AS WLE
Available to majors and non-majors. Study of an author, movement
or theme.

HAB 4121 Introduction to Public Health (3) PH CFH
A survey of policies and programs in public/community health with
emphasis on specific needs and problems of Florida.

HBR 1120 Modern Hebrew I (4) AS WLE
CP: HBR 1120L. An intensive study of basic skills; pronunciation,
listening comprehension, speaking and some composition.

HBR 1120L Modern Hebrew I Laboratory (1) AS WLE
CP: HBR1120. Concurrent enrollment with a lecture session is
required and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various
instructional technologies and media.

HBR 1121 Modern Hebrew II (4) AS WLE
PR: HBR 1120 or its equivalent; CP: HBR 1121L. A continuation of
HBR 1120. An intensive study of basic skills; pronunciation, listening
comprehension, speaking and some composition. More sophisti-
cated oral/aural skills are attained. Basic reading skills are acquired.

HBR 1121L Modern Hebrew II Laboratory (1) AS WLE
CP: HBR 1121. Concurrent enrollment with a lecture session is
required, and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various
instructional technologies and media.

HBR 2200 Modern Hebrew III (4) AS WLE
PR: HBR 1121 or the equivalent. For language students who intend
to attain basic proficiency.

HBR 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in
Modern Hebrew not available in the regularly scheduled curriculum
at departmental discretion.

HEB 1120 Basic Hebrew I (4) AS REL
Designed to give students a working knowledge of Classical
(Biblical) Hebrew and to introduce them to the Biblical literature in
the original language.

HEB 1121 Basic Hebrew II (4) AS REL
Designed to give students a working knowledge of Classical
(Biblical) Hebrew and to introduce them to the Biblical literature in
the original language.

HIS 2531 Special Topics (2-4) AS HTY
This course emphasizes a selected historical problem or issue. A
variety of instructional approaches will be taken, and topics may
vary.

HIS 3308 War and Society MW (3) AS HTY
An examination of the ways in which societies have organized
themselves for war and how societies are changed by war. Also
explores gendered experiences in war, and the changing conduct of
war.

HIS 3474 Science and Civilization (4) AS HTY
A thematic study of the interrelationship of science and society in
modern history emphasizing the interplay of social, political,
scientific, and cultural relations in the scientific revolution to the
present.

HIS 3930 Special Topics (2-4) AS HTY
This course is designed to emphasize a selected historical problem
or issue that is meaningful and challenging to the student. A variety
of instructional approaches will be taken to the material. Topics will
be changed each semester.

HIS 3938 Issues in History MW (3) AS HTY
This course provides an introduction to the disciplines of history by
examining a specific historical issue and its relation to at least one
of the following dimensions: gender, race and ethnicity, international
perspectives, environmental perspectives.

HIS 4104 Theory of History (4) AS HTY
Required of all history majors. Recommended to be taken during the
senior year. An analysis of the foundations of historical knowledge
and historical methodology. Includes a survey of historical thinking
and writing from ancient times to the present.

HIS 4900 Directed Reading (1-4) AS HTY
PR: CI. Arrangement with instructor prior to registration. Readings in
special topics.

HIS 4920 Colloquium in History (2-4) AS HTY
Reading and discussion of selected topics in the various fields of
history. The subject and scope of inquiry will be determined by the
instructor for each section.

HIS 4936 Pro-Seminar in History 6A MW (4) AS HTY
PR: CI. Required of all history majors. Advanced topics in the various
fields of history. Emphasis on discussion of assigned readings and
on research and writing of a major paper.
HLP 2081 Personal Wellness: A Lifetime Commitment (3) EDFJ
An examination of the bases for adopting a positive health lifestyle with a major emphasis on diet, weight management, physical fitness, stress management, and substance-abuse management.

HLP 3222 Health and Physical Education for the Child (2) ED EDE
This course helps elementary majors understand the health, psychomotor, growth and developmental needs of children so that the major can plan and conduct safe and healthy learning experiences. They also learn the role of the classroom teacher in the total school health program by providing health services, healthy environments and health instruction.

HLP 4841 Wellness Internship (12) ED EDP
PR: CC. Open to Wellness Leadership Physical Education Majors only. S/U only. Completion of all curriculum requirements. Supervised performance in adult fitness and/or wellness programs. Full semester on-site.

HSC 2100 Contemporary Health Science SS (3) PH CFH
A comprehensive approach to health concerns and problems in contemporary society, including methods of assessing individual health needs.

HSC 2400 First Aid (2) ED EDP
Meets the American Red Cross certification requirements in standard and advanced first aid.

HSC 2933 Selected Topics in Public Health (1-6) PH PHC
Overview of major public health and health related issues of interest to undergraduates. Course explores a variety of health topics that are related to improving the health and health behaviours of individuals and groups and communities. Specific topic areas may vary each semester. No prerequisites. Majors and non-majors. May be repeated for up to 6 credits.

HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child (3) ED EDP
Provide students with the knowledge to teach developmentally appropriate motor activities; to provide continuous health services; create and maintain a healthy learning environment; and sequence appropriate health instruction for Pre-K through 3rd grade students.

HSC 4541 Human Structure and Function (3) PH CFH
PR: Fundamentals of Biology/Lab or CI. Major concepts of the structure and function of the human body systems and methods by which these concepts may be taught.

HSC 4554 Survey of Human Diseases (3) PH CFH
PR: Fund. of Biology with Lab or CI. An overview of the nature, types, and mechanisms of diseases of the major body systems.

HSC 4933 Special Topics in Public Health (1-6) PH PHC
PR: CI. Content will be governed by student demand and instructor interest.

HUM 2024 The Arts FA (3) AS HUM
A survey of selected works of literature, music, film, and visual art, representing artists of diverse periods, cultures, genders, and races. Especially recommended for students who later take 4000-level Humanities courses.

HUM 2211 Studies in Culture: The Classical Through Medieval Periods HP (3) AS HUM
A survey of literature and the arts of ancient Greece, Rome, and medieval Europe. Issues to be examined may include the dialogue between local traditions and cosmopolitan cultures, the relationship of the individual to society, and the bases for moral values.

HUM 2243 Studies in Culture: The Renaissance Through the Twentieth Century HP (3) AS HUM
A historical survey of the visual arts, literature, music and thought of Europe from the Renaissance through the Twentieth Century. Issues to be examined may include the relationship between science and the arts and the consequences of the growing contacts between the arts and the world of technological change.

HUM 2930 Selected Topics (1-4) AS HUM
An introductory course dealing with a recurrent theme in the arts or focusing on a particular artistic center (a nation or city at a particular time) from the ancient through modern times. A variety of approaches to the arts, including social, economic factors, and aesthetic aspects, are considered.

HUM 3251 Studies in Culture: The Twentieth Century HP (3) AS HUM
Analyses of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major social, economic events, such as war, depression, totalitarianism, and technological change.

HUM 3271 Eastern and Western Civilizations from Antiquity to 1400 AF (3) AS HUM
A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from ancient times through the Middle Ages, emphasizing Europe and India.

HUM 3273 Eastern and Western Culture Since 1400 AF (3) AS HUM
A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from the Renaissance through the present, emphasizing Europe, the United States, and India.

HUM 3930 Selected Topics in Humanities (1-4) AS HUM
Courses offered under this number will always be interdisciplinary, treating more than one art media and relating them historically or in some other way. The interdisciplinary emphasis on literature and the arts, placing them in some larger context of culture or ideas, distinguished HUM courses from related courses offered in other departments of the university. Topics will vary; course may be repeated for credit with change of content.

HUM 4402 Humanities in India (4) AS HUM
PR: Sophomore standing or CI. Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.

HUM 4404 Humanities in China (4) AS HUM
PR: Sophomore standing or CI. Examples from the arts and letters of China; their relationship to Taoism, Confucianism and other Chinese philosophies; Western influences on twentieth century Chinese arts and letters.

HUM 4405 Humanities in Japan (4) AS HUM
PR: Sophomore standing or CI. Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other Japanese philosophy-religions; Western influences on twentieth century Japanese arts and letters.

HUM 4433 Ancient Greek Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Greece, including such authors as Homer, Sophocles, and Plato, and monuments such as the Parthenon.

HUM 4435 Early Medieval Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the culture of Europe and the Mediterranean world from the 4th to 11th centuries through the readings of early Medieval historians, poets, and theologians, as well as the study of illuminated manuscripts, mosaics, painting and architecture.

HUM 4437 Italian Renaissance Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the painting, literature, music, sculpture and architecture of early modern Italy (1300-1600), emphasizing humanism, the revival of antiquity, the tension between sacred and secular, and artists such as Michelangelo, Titian, Raphael.

HUM 4438 Northern Renaissance Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the Northern Renaissance, 1400-1580, as exemplified in Germany, France, the Netherlands, England, and Spain. The course includes painting, architecture, literature and music, with special study of Durer, Van Eyck, El Greco, Rembrandt, Titian, El Greco, Longhi, and Turner.

HUM 4440 Arts and Letters in the 17th and 18th Centuries (4) AS HUM
PR: Sophomore standing or CI. A study of the visual arts, literature and music from the mysticism and ornament of the Baroque to the rationalism and classicism of the Enlightenment, including such artists, authors and composers as Rembrandt, Gentileschi, Voltaire, Bach, and Mozart.

HUM 4442 Arts and Letters of the Romantic Period (4) AS HUM
PR: Sophomore standing or CI. Continental masterworks of fiction, painting, and music in the context of European cultural history from the French Revolution to the Revolutions of 1848.

HUM 4444 Nineteenth Century European Arts and Letters (4) AS HUM
PR: Sophomore standing or CI. A study of continental literary, musical, and artistic masterworks from the Revolutions of 1848 until the outbreak of World War I.

HUM 4445 Twentieth Century Arts and Letters I (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4446 Twentieth Century Arts and Letters II (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.
HUM 4452 Nineteenth Century American Culture (4) AS HUM
PR: Sophomore standing or CI. Study of selected works of art, tracing the course of American expansionism in civilization, and the interaction between the arts and the sciences in American ways of life and work, 1790-1890.

HUM 4455 Twentieth Century American Culture (4) AS HUM
PR: Sophomore standing or CI. Study of selected works, tracing the course of expansion in the production and enjoyment of works of art, and interaction between the ideas and pragmatic concerns for development of the arts in the 20th century.

HUM 4462 Ancient Latin American Culture (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the Pre-Columbian period.

HUM 4464 Latin American Culture Since 1492 (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the colonial through contemporary periods.

HUM 4905 Directed Study (1-4) AS HUM
PR: CI. Specialized individual study determined by the student's interests and abilities.

HUM 4909 BIS Humanities, Independent Study (15) AS BIS
S/U only

HUM 4930 Selected Topics in Humanities (1-4) AS HUM
PR: Sophomore standing or CI. This course will deal with a recurrent theme in the arts as, for example, love or death, or will focus on artistic centers such as Renaissance Florence or Paris in the 1920s. Topics will vary.

HUM 4931 Seminar in Humanities 6A (4) AS HUM
PR: Humanities major or CI. Senior standing. Discussion of interdisciplinary humanities. Includes essay.

HUM 4935 Major Issues in the Humanities MW (3) AS HUM
This study of an important topical issue in the Humanities. Materials representing diverse views relating to that issue will be read, and works of art in different media that have relevance to the debate will be studied. Available to majors and non-majors.

HUM 4939 BIS Humanities Seminar (15) AS BIS
PR: BIS/HUM 4909 or CI. S/U only

HUM 4940 Internship in Humanities (1-4) AS HUM
A structured, out-of-class learning experience providing firsthand, practical training in Humanities-related professional careers in the community.

HUM 4941 Study on Location (1-4) AS HUM
The art of a culture will be examined during travel in groups, led by an instructor, to important cities or sites. Monuments, museums, architecture, plays, and/or concerts will be studied. Reading assignments and lectures.

HUM 101 Nutrition (3) NU/NUR
PR: Course work in chemistry and biology or permission of faculty. Open to majors and non-majors. The study of fundamental principles of normal nutrition as they relate to human life and growth from conception through senescence, interpretation of current nutrition information, and application of nutrition knowledge in the establishment of good eating habits

IDH 2009 Discovery: People, Processes and Problems (3) US HON
PR: Admission to Honors Program. An appreciation of the research process in multiple disciplines culminating in the production of a collaboratively developed research proposal.

IDH 2010 Acquisition Of Knowledge (3) US HON
PR: Admission into the Honors Program. An appreciation of the problems of how human understanding proceeds through operations such as perception, classification, and inference, among others, as well as the open-philosophic questions behind these operations.

IDH 3100 Arts/Humanities Honors (1-3) US HON
PR: IDH 2010. An introduction to western arts and letters from the perspectives of the three periods classical, romanticism, and modernism), the relationship of ideas to art, the similarities among the arts of a given period, and important differences between periods.

IDH 3350 Natural Sciences Honors (3) US HON
PR: Life of IDH 2010. The exploration of current knowledge concerning fundamental principles in the Sciences, their potential for application and attendant ethical and philosophical questions.

IDH 3400 Social and Behavioral Sciences Honors (3) US HON

IDH 3600 Seminar in Applied Ethics (3) US HON
PR: IDH 2010. This course explores ethical issues related to selected topics such as Ethics of Technology, Ethics in Business, Bio-Medical Ethics, Personal Ethics Development.

IDH 4000 Honors Program Seminar: Major Works/Majors Issues (4) US HON
PR: IDH 2010. This course explores major works and major issues in a variety of disciplines. Each section will be devoted to content in a different academic area.

IDH 4200 Geographical Perspectives Honors (3) US HON
PR: IDH 2010. An introduction to African, Latin American, Middle Eastern, or Asian perspectives focusing on social, political and economic, artistic, cultural and intellectual subject matter. The material will be presented within a geographical, chronological, and humanities background.

IDH 4950 Honors Program Project (3) US HON
Enrollment is limited to St. Petersburg Honors Program students who have completed at least one Honors Program Seminar. Senior Honors Program project consisting of an original creative work in literary, visual or performing arts, or in a community-oriented endeavor of substance and originality. Either a project or an Honors Thesis will fulfill the requirements for graduation at St. Petersburg Campus Honors Program students.

IDH 4970 Honors Thesis (3) US HON
PR: Senior Honors Standing. The development and public presentation of a senior thesis under the direction of a mentor. Course is taken for 2 semesters.

IDS 3115 Values and Choices 6A MW (3) ED EDF
An in-depth examination of values and their relationship to choices in contemporary society using historical perspective and inquiry of moral/ethical dilemmas. Available to majors or non-majors.

IDS 3662 Arts Connections FA (3) FA FAI
This is an interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Arrangement from the four disciplines will provide weekly presentations centered around ideas and issues that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping their perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

IDS 3663 Critical Issues Affecting the Arts MW (3) FA FAI
This is an interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Arrangement from the four disciplines will provide weekly presentations centered around ideas and issues that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping their perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

IDS 3801 Honors Program Reading Seminar (1) US HON

IDS 3949 Cooperative Education (0) US COE
60 hours of academic credit. acceptance in Cooperative Education Program. S/U only

IDS 4910 Community Research (1-4) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community related research experience.

IDS 4942 Community Internship (1-4) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community internship experience.

IDS 4955 Internat Community Research (1-2) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with an international community research experience.

IDS 4956 International Community Internship (1-4) AS CEL
PR: CEL Program approval. To provide students with an international community internship experience. Repeatable up to 8 credits.

IDS 4990 BIS Inter-Area Studies (30) AS BIS
PR: ISS 4909, ISS 4939, ISC 4909, ISC 4939, HUM 4909, HUM 4939. S/U only

INP 2101 Applied Psychology SS (3) AS PSY
The application of psychological principles and the functions of psychologist in education, government, industry, and clinical practice.

INP 4004 Industrial Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, and decision-making.

INR 1015 World Perspective SS AF (3) AS INT
An interdisciplinary study of the international system, major world regions and problems.

INR 2010 Introduction to International Relations (3) AS POL
Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.
INR 3003 Introduction to International Studies (3) AS INT
An interdisciplinary study which examines methods and analysis. A major portion will focus on the roles which different disciplines play in interpreting the international scene.

INR 3018 World Ideologies MW (3) AS INT
A course which details and examines the ideologies of today's independent countries; analyzing them in their political, social, cultural and historical context.

INR 3033 International Political Cultures MW (3) AS INT
This course explores ways in which culture influences the nature of government, economic success or failure, and constructive and destructive modes of self and social identification.

INR 3038 International Wealth and Power SS (3) AS INT
Introduction to the relationship between politics and economics, emphasizing the analysis of government policies in response to both domestic and international economic problems.

INR 3081 International Issues and Actors (3) AS INT
Departmental approval required. For majors and minors in IN INT only. An examination of the most important issues in international affairs. The course analyzes the behavior of major foreign policy actors in the international arena, including nation states, non-governmental and international organizations.

INR 3084 International Terrorism SS AF (3) AS INT
A study of contemporary international terrorism and its causes, ranging from national liberation movements to networks of ideological anarchists.

INR 3102 American Foreign Policy (3) AS POL
Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

INR 3955 Overseas Study (1-6) AS INT
A program of individual or group research in a foreign country.

INR 4035 International Political Economy (3) AS POL
Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

INR 4091 Conflict in The World MW (3) AS INT
PR: Junior/Senior standing. An interdisciplinary course examining theories of conflict, conflict resolution processes and strategies, theories and peacemaking strategies, and the concept of Early Warning Systems related to the outbreak of conflict.

INR 4250 Political Economy of the Southern Nations SS AF (3) AS INT
A multidisciplinary study of the efforts of the nations in the South (Africa, Asia, Latin America and the Middle East) to improve their status through political and economic development.

INR 4254 Africa in World Affairs MW (3) AS POL
An examination of Africa's place and role in world affairs, including an analysis of the impact of external forces, international relations in post-colonial Africa, the relations of African states with the major world powers, the U.N. and its agencies.

INR 4334 Defense Policy (3) AS POL
Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.

INR 4403 International Law SS (3) AS POL
Examines essential components of the international legal system; recognition, succession; sea, air and space law; treaties, diplomatic immunity, International Court of Justice; laws of war, etc. Introduces the student to legal reasoning as employed in the international context.

INR 4502 International Organizations SS AF (3) AS POL
Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN, regional organizations and multi-national corporations.

INR 4900 Directed Readings (1-3) AS INT
PR: CI. A supervised program of interdisciplinary study in any area of interest.

INR 4931 Selected Topics (1-4) AS INT
Interdisciplinary studies with course content dependent on student demand and instructor's interest.

INR 4936 Senior Seminar MW (3) AS INT
PR: International Studies major and senior standing. A topic chosen to integrate important concepts and analyses relating to the academic background of INT majors. Should be taken in the student's final semester.

INR 4943 Internship in International Studies (3-6) AS INT
PR: Senior status. S/U only. For majors only. The purpose of the course is to promote the student's understanding of global international issues within a local and practical context.

INR 5086 Issues in International Relations AS POL
S/U. Explores specific issues and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics.

ISC 1004 Integrated Natural Sciences I: Science that Matters NS (3) AS CHM
Discussion of integrative concepts in biology, chemistry, geology, and physics based on major knowledge strands of the Florida and Natural Science Education Standards. This course deals with current topics relevant to students, is inquiry based, and emphasizes development of higher order (critical thinking) skills through active learning strategies.

ISC 1005 Integrated Natural Sciences II: Science that Matters NS (3) AS CHM
Discussion of integrative concepts in biology, chemistry, geology, and physics based on major knowledge strands of the Florida and Natural Science Education Standards. This course deals with current topics relevant to students, is inquiry based, and emphasizes development of higher order (critical thinking) skills through active learning strategies.

ISC 4909 BIS Natural Sciences, Independent Study (15) AS BIS
S/U only.

ISC 4939 BIS Natural Sciences, Seminar (15) AS BIS
PR: BIS IS 4909 or CI. S/U only.

ISM 3011 Information Technology Organizations (3) BQMBA
PR: CGS 2100 or equivalent, ACG 2021; ACG 2071 or equivalent. May not be counted toward major requirements in MIS. An introduction to the language, concepts, structures and processes involved in the management of information systems including fundamentals of computer-based technology and the use of business-based software for support of managerial decisions.

ISM 3113 Systems Analysis and Design (3) BQMBA
PR: IS 3011 CP: IS 3232, with a grade of "C" or better. Study of the techniques and procedures used in assessing information requirements, analyzing information flows and processing activities, designing and implementing business systems.

ISM 3223 Business Application Development (3) BQMBA
PR: IS 3011 with a grade of "C" or better. Presentation of business application development using a modern programming language. Topics include data structures, input/output, file processing, and user interfaces. Good program design techniques are emphasized. Business applications are developed.

ISM 3431 Management Science Production/Operations Management Applications (3) BA QMB
PR: MAC 2230 or MAC 2233. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4133 Advanced Systems Analysis and Design (3) BA QMB
PR: ISM 3232, ISM 3113, ISM 4212, with a grade of "C" or better. This course builds previous class and/or work experience in systems development, with particular emphasis on the use of an integrated CASE tool on a team project. Students will gain an understanding of system's development and management and approaches using a variety of methods, such as, lectures, discussion, team presentations, guest speakers, demonstrations and computer use.

ISM 4212 Database Design and Administration (3) BQMBA
PR: ISM 3113, ISM 3232. Principles of database design/management for mainframe, micro, and client/server environments; including database modeling, physical view logic/physical, storage, and backup and recovery management.

ISM 4213 Advanced Database Administration (3) BQMBA
PR: ISM 3113, ISM 4212, with a grade of "C" or better. Essential concepts of database administration in a business environment are covered in order to prepare students to understand and deal with database administration issues and concepts. Students gain hands-on experience by administering a database environment and completing assignments that involve resource management, data administration, security, backup, recovery and database tuning issues.
ISM 4220 Business Data Communications (3) BA QMB PR: ISM 3113 or C. Fundamentals of data communication, including network architectures, communication protocols, transmission standards and media access control methods.

ISM 4333 Information System Interface Design (3) BA QMB PR: ISM 3232 with a grade of “C” or better. The fundamental concepts of human perception and cognition are studied in order to develop effective human-computer interfaces. Various types of interfaces and examination methods will develop human-computer interfaces via state-of-the-art development languages and systems.

ISM 4234 Object-Oriented Design and Development (3) BA QMB PR: ISM 3232 with a grade of “C” or better. This course presents an object-oriented approach to software development of business information systems. Students will learn to create object models of the business world and to develop information system designs based on these objects. The designs will be implemented by the use of the C++ or other OO programming languages.

ISM 4240 Distributed Operating Systems (3) BA QMB PR: ISM 3232 with a grade of “C” or better. Introduction to distributed operating systems, fundamentals of distributed systems architecture, file structures, client-server, open systems, resource allocation, and basic tools for manipulating these operating environments.

ISM 4290 Senior Seminar in Information Systems (3) BA QMB PR: ISM 3113, ISM 4212, with a grade of “C” or better. A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.

ISM 4300 Managing Information Resources (3) BA QMB PR: FIN 3443, MIS 3113. Current issues in information systems management focusing on organizational policies, procedures and standards for managing distributed computing resources.

ISM 4400 Decision Support Systems Applications-Computer Assisted Decision Making (3) BA QMB PR: FIN 3443, MIS 3113 with a grade of “C” or better, MIS major or CI. Methods and techniques for decision making in business organizations.

ISM 4840 Electronic Commerce Systems (3) BA QMB PR: ISM 3011 with a grade of “C” or better, MIS major or CC. This course is designed to familiarize students with the opportunities and challenges associated with electronic commerce, to explore the underlying technologies used in implementing electronic commerce systems, and to develop the practical skills needed to design and develop effective Web pages.

ISM 4905 Independent Study (1-6) BA QMB PR: Only to study as directed by designated faculty.

ISM 4930 Selected Topics in MIS (1-3) BA QMB Selected topics in MIS.

ISM 4950 Independent Research (1-6) BA QMB PR: Instructor must contract with student and department chairperson required. The research project will be mutually determined by the student and instructor.

ISS 1101 Knowledge and Society SS (3) AS ISS CO: ISS 1103. Course introduces students to issues concerning the relationship between knowledge and society. Among the issues addressed are competing accounts of knowledge and the relationship between knowledge and other forms of human experience and different aspects of social life such as religion, morality, aesthetics, politics, and gender.

ISS 1102 Self and Society SS (3) AS ISS CO: ISS 1103. Course introduces students to issues concerning the relationship between the self (or individual) and society. Among the topics that may be addressed are the idea of human nature, how human nature is shaped by social and cultural factors; the moral obligations between individuals and society; and how our understanding of ourselves is shaped by gender and culture.

ISS 1103 Nature and Culture SS (3) AS ISS This course examines competing ideas and theories concerning the relationship between nature and culture. Among the issues and questions examined are the relationship between nature and our awareness of it; to what extent is nature transformable; should “nature” dictate the shape of social institutions; how does technology affect our society and environment.

ISS 3190 Introduction to the Social Sciences (3) AS ISS Integrates the range of social science fields into a global interdisciplinary perspective. Views social institutions and issues from perspectives of changing paradigms.

ISS 3530 Selected Topics in the Social Sciences (1-4) AS ISS Interdisciplinary studies of varying topics, with course content dependent on student demand and instructor’s interest.

ISS 4151 Native American Women (3) AS ISS An interdisciplinary exploration of Native American Women, past and present. Topics include history, education, politics, family, etc.

ISS 4162 The City and Urbanization (3) AS ISS An interdisciplinary perspective will be used to analyze the emergence of the city, urban revolution and metropolis. Urban planning and governance and human ecology perspective will be examined in looking at how urban areas deal with social and physical problem.

ISS 4900 Directed Reading (1-3) AS ISS PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

ISS 4909 BIS Social Sciences, Independent Study (15) AS BIS S/U only.

ISS 4910 Directed Research (1-3) AS ISS PR: CI. A supervised program of interdisciplinary research in areas of specific interest.

ISS 4935 Seminar in the Social Sciences MW (3) AS ISS PR: Senior standing and ISS 3010 or CI. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of theoretical models to research on salient social issues.

ISS 4939 BIS Social Sciences, Seminar (15) AS BIS PR: BIS ISS 4909 or CI. S/U only.

ISS 5934 Selected Topics (3-6) AS AFA PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor’s interest.

ITA 1120 Beginning Italian I (4) AS WLE CP: ITA 1120L. The first course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking, and reading.

ITA 1120L Beginning Italian Laboratory I (1) AS WLE CP: ITA 1120. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 1121 Beginning Italian II (4) AS WLE CP: ITA 1121L. The second course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking and reading.

ITA 1121L Beginning Italian II Laboratory I (1) AS WLE CP: ITA 1121L. S/U only. Concurrent enrollment with lecture section is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 2200 Intermediate Italian I (3) AS WLE PR: ITA 1121 or equivalent. Readings in Italian on the elementary level. A review of the basic structure of spoken and written Italian.

ITA 2240 Italian Conversation I (4) AS WLE To develop fluency and correctness in spoken Italian. Intensive study for conversational skill based particularly upon the current Italian idiom. Syntax is intensified and the vocabulary and idiomatic expressions expanded.

ITA 2241 Italian Conversation II (4) AS WLE To assist students who have already made a start in speaking Italian, who have not had the advantages of travel or who have non-Italian speaking parents, to improve their skill in speaking Italian. Current events, literary discussions, free conversation; prepared speeches. Differences of media, syntactical signal.

ITA 3420 Composition (3) AS WLE A fundamental composition course for students who have completed ITA 2220.

ITA 3470 Overseas Study (1-6) AS WLE Prior approval and early registration required. An intensive study-travel project in Italy.

ITW 4901 Survey of Italian Literature I (4) AS WLE A survey of Italian literature from the earliest monuments through the classicism of the 18th century.

ITW 4901 Survey of Italian Literature II (4) AS WLE A survey of Italian literature beginning with the Classicism of the 18th century and continuing to the present.

ITW 4905 Directed Study (1-3) AS WLE Departmental approval required. Selected topics in Italian literature.

JOU 3100 Beginning Reporting (3) AS COM PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, newsgathering, and newswriting techniques for various media. Typing ability is required.

JOU 3101 Advanced Reporting (3) AS COM PR: POS 2041, JOU 2100, or RTV 3304 (RTV majors only). JOU 2200 (may be taken concurrently), and PHI 1103. Reporting and writing for more complex and specialized story. Techniques of investigative and analytical reporting, including ethical and legal considerations.
JOU 3300 Magazine Article and Feature Writing (3) AS COM
PR: CRW 2100 and JOU 2100. Beyond creative writing, reading, and
marketing articles for general and special interest magazines and
newspaper supplements. Experiences in developing article idea and
inductive analysis of magazine articles.

JOU 3305 Critical Writing: Editorials, Reviews, Columns (3) AS COM
PR: JOU 3101 and JOU 4200. Interpretative and opinion writing for
the mass media. Analysis and discussion of current events as a
basis for critical thinking and editorial writing. Evaluation of editorial pages
of leading newspapers. Study of journalistic techniques involved in
writing reviews and personal columns.

JOU 3940 Reporting Practicum (1) AS COM
PR: JOU 3101 and CI. For journalism sequence majors. S/U only.
Practical experience outside the classroom where the student
works for academic credit under the supervision of a professional
practitioner. Periodic written and oral reports to the faculty member
coordinating the study.

JOU 4104 Public Affairs Reporting (3) AS COM
PR: JOU 3101 or RTV 3301 (RTV majors only), POS 2041 and POS
2112 or POS 3142. Covering city council meetings, courthouse, city
hall, courts, society, and other special assignments. Emphasis is on
coverage of major governmental units of all levels of government,
including examination and interpretation of public documents and
records.

JOU 4200 News Editing I (3) AS COM
PR: ECO 1000, JOU 2100, and SYG 2010. Evaluating news and its
display. Editing and rewriting copy for the mass media including new,
with emphasis on the daily newspaper. News judgment, headline writing, makeup.
Ethical problems. Introduction to theories and design and graphics.

JOU 4206 Newspaper Publication Design (3) AS COM
PR: JOU 4200 or CI. Theoretical and practical applications of
newspaper and newspaper publication design, including typography,
graphics, graphics software and electronic picture editing. Exer-
cises in design of newspapers and news publications in both print
and electronic formats.

JOU 4212 Magazine Design and Production (3) AS COM
PR: JOU 4200. Theoretical and practical application of design
principles for magazines. Design software. Study of visual design,
page architecture, typography, color and illustrations. Integration of
design elements in the design of magazine covers. Design elements
specific to magazine and production preparation.

JOU 4941 Editing Practicum (1) AS COM
PR: Senior standing. JOU 4200 and CI. For journalism sequence
majors. S/U only. Practical experience outside the classroom where
the student works for academic credit under the supervision of a professional
practitioner. Periodic written and oral reports to the faculty member
coordinating the study.

JOU 4944 Magazine Practicum (1) AS COM
PR: Senior standing and CI. For magazine sequence majors. S/U
only. Practical experience outside the classroom where the student
works for academic credit under the supervision of a professional
practitioner. Periodic written and oral reports to the faculty member
coordinating the study.

JOU 5105 Newswriting and Editing (3) AS COM
PR: GS in Mass Communications or CI. Introduction to the basics of
gathering, writing, and editing the news, with an emphasis on
practical assignments done under professional conditions and
standards. Discussions, readings emphasize the larger context and
implications of news.

JOU 5305 Explorations in Newswriting (3) AS COM
PR: CC. Students work to develop writing styles, reporting on and
creating stories about significant issues, events, and ideas. The
course explores the notion that narrative-driven writing is not
necessarily accurate, thorough, fair, and compelling, effectively bringing
readers into stories and giving them a bigger stake in the news. The focus is
on-going beyond traditional practices of reporting and writing
news stories.

JPN 1120 Modern Japanese I (4) AS WLE
CP: JPN 1120L. An intensive study of basic skills: pronunciation,
listening comprehension, speaking, and some composition.

JPN 1120L Modern Japanese I Laboratory (1) AS WLE
CP: JPN 1120. Concurrent enrollment with a lecture session is
required, and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various
teaching methodologies and media.

JPN 1121 Modern Japanese II (4) AS WLE
CP: JPN 1120 or equivalent. CP: JPN 1121L. A continuation of JPN
1120. More sophisticated oral/aural skills are attained. Basic reading
skills are acquired.

JPN 1121L Modern Japanese II Laboratory (1) AS WLE
CP: JPN 1121L. Concurrent enrollment with a lecture session is
required, and, if dropped, then dropped simultaneously. A laboratory
designed to offer additional practice using various instructional
technologies and media.

JPN 2200 Modern Japanese III (3) AS WLE
PR: JPN 1121 or equivalent. Continuing study to attain basic
proficiency in Japanese.

JPN 2201 Modern Japanese IV (3) AS WLE
PR: JPN 2200 or equivalent. Continuation of JPN 2200.

JPN 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options
in Japanese not available in regularly scheduled curriculum at depart-
mental discretion.

JPN 4930 Selected Topics (1-5) AS WLE
Departmental approval required. Course permits study options
in Japanese not available in the regularly scheduled curriculum at depart-
mental discretion.

LAE 4314 Language Arts in Childhood Education (3) ED EDE
PR: Admission to the College of Education. Implementing a coordi-
nated and integrated language arts curriculum and guiding the
developmental language experiences of children in elementary
school. Explores the content, organization, and instruction of oral
and written expression in childhood education.

LAE 4323 Methods of Teaching English: Middle School (3)
ED EDE
Must be taken one or two semesters prior to internship. Recom-
manded to be taken with LAE 4464. Whole language methods of
integrating reading, writing, speaking, listening, viewing, and critical
thinking activities into a literature-based program for middle school
students.

LAE 4414 Literature in Childhood Education 6A LW (3) ED EDE
Jr./Sr. Standing The selection, evaluation and use of fiction, nonfic-
tion and poetry for instructional, informational, and recreational
purposes in Childhood Education.

LAE 4416 Teaching Literature and Writing in the Elementary
Grades 6A LW (3) ED EDE
PR: Elementary Education major. This course is designed to provide
students with the skills necessary to implement a coordinated
literature program and an integrated writing curriculum. Not repeat-
able for credit.

LAE 4464 Adolescent Literature for Middle and Secondary
Students 6A LW (3) ED EDE
PR: English Education majors or CI. Recommended to be taken with
LAE 4323 two semesters prior to internship. A study of the types of
literature read by adolescents with an emphasis upon the criteria
for the choice of good books and knowledge of available books and
related materials.

LAE 4530 Methods of Teaching English: Practicum (3)
ED EDE
PR: Senior standing or enrollment in Plan II Master's Program. Required concurrently with LAE
4464, 4325, and LAE 4642. Taken one semester, spring or fall, prior to internship.

LAE 4642 Methods of Teaching English: High School (3)
ED EDE
PR: LAE 4464. Must be taken one semester prior to internship
concurrently with LAE 4530. Whole language methods of integrating
reading, writing, speaking, listening, viewing, and critical thinking
activities into a literature-based program for high school students.

LAE 4936 Senior Seminar in English Education (2) ED EDE
PR: Senior standing. Required concurrently with internship. Synthe-
sis of teacher candidate's courses in complete college program.

LAE 4940 Internship: English Education (1-12) ED EDE
S/U only. Open to one full semester of internship in a public or private
school. Intern takes Senior Seminar in English Education concurrently. In
special programs where the internship experience is distributed over
two or more semesters, student will be registered for credit which
accumulates from 9 to 12 semester hours.

LAE 5932 Selected Topics in the Teaching of English (3) ED EDE
PR: Certification in English and/or Mass Communications and
aprobation to graduate and presentation of topics which are of
special interest to the student and are related to the teaching of
English in the secondary school. Topics will be selected by the
student in accordance with his particular goals and will be approved
by the student’s graduate supervisor.

LAH 2020 Latin American Civilization HP AF (3) AS HTY
An introduction to selected issues, events, and people in Latin
American history from 1492 to the present. Focus on Argentina,
Brazil, Chile, Cuba, and Mexico. Intended for students in any
discipline; no prerequisites. An entry-level course for Latin Ameri-
can studies.
LIT 3022 Modern Short Novel  HP (3) AS ENG
A study of the novel from the nineteenth century to the present. Writers include James, Dostoevsky, Camus, Styron, Nabokov, Gardner, Roth, Vonnegut, among others.

LIT 3043 Modern Drama  (3) AS ENG
A study of modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

LIT 3073 Contemporary Literature  (3) AS ENG
A study of the fiction, poetry, and drama written since 1945--
-American, British, Continental, or Multicultural. Focus may be on one, two, or all three genres or on works from any combination of nationalities. Also focuses on values/ethics, race and gender; thinking and writing skills.

LIT 3101 Literature of the Western World Through the Renaissance 6A (3) AS ENG
A study in English of the great works of Western Literature from its beginnings through the Renaissance, including the Bible, Homer, Sophocles, Plato, Euripides, Virgil, Cicero, Dante, Petrarch, Machiavelli, and Rabelais, among others.

LIT 3102 Literature of the Western World Since the Renaissance 6A (3) AS ENG
A study in English of the great works of Western Literature from the Neoclassic to the Modern Period, including such writers as Moliere, Racine, Voltaire, Dostoevsky, Chekhov, Ibsen, Kafka, Gide, Sartre, among others.

LIT 3103 Great Literature of the World 6A MW LW (3) AS ENG
PR: Junior/Senior Standing. A survey of world literature including samples from the ancient and modern, western and eastern cultures, male and female writers, and various cultural influences. Focus on values/ethics, race, ethnicity, and gender; thinking and writing skills. Not to be counted toward the English major.

LIT 3144 Modern European Novel 6A HP (3) AS ENG
A study of the Modern European novel as translation as it developed from the nineteenth century to the present, including such writers as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.

LIT 3155 Modern Literature 6A MW LW (3) AS ENG
Examines major literary works of the 20th Century in English and explores what authors have expressed the age, its great issues and conflicts, in order to gain an historical perspective that will help relate the present to the recent past. Designed for non-majors, but majors may take it by special arrangement.

LIT 3301 Cultural Studies and the Popular Arts 6A MW LW (3) AS ENG
A study of a twentieth century culture as it is represented in the film, fiction, and other cultural artifacts of many different nationalities. Focuses on values/ethics, race, ethnicity and gender; thinking and writing skills.

LIT 3374 The Bible As Literature  MW (3) AS ENG
May be counted once toward the English major. However, can be taken twice. Fall semester is Old Testament and Spring semester is New Testament. Either can count toward the major. Major emphasis on literary personalities of the Old and New Testaments, and Biblical archetypes of British and American literary classics. Fall Semester, Old Testament; Spring Semester, New Testament. Focuses on values/ethics, race, ethnicity and gender; thinking and writing skills.

LIT 3383 The Image of Women in Literature 6A MW LW (3) AS ENG
A study that seeks to trace the prions of contemporary views about women, to analyze major Eastern/Western literary portrayals of women, to examine ideas about women's roles, and to compare/contrast cultural/racial images of women.

LIT 3410 Religious and Existential Themes  (3) AS ENG
Theological and philosophical ideas, allusions, and symbols in the writings of Dostoevsky, Nietzsche, Mann, Joyce, Eliot, Camus, Sartre, among others.

LIT 3451 Literature and the Occult 6A MW LW (3) AS ENG
A study of the occult tradition as a major ingredient in English, Continental, American, and Multicultural literature; analysis of the origins, classifications, and areas of the various magic arts from classical times through the present. Focuses on values/ethics, race, technology, gender; thinking and writing skills. Not to be counted toward the English major.

LIT 3700 Survey of Poetry  (3) AS ENG
A chronological sampling of the major poems written in English from the Middle Ages to the present. Recommended as the first course in the poetry option.

LIT 4386 British and American Literature by Women 6A MW LW (3) AS ENG
Survey of women's literary tradition in England and America from the seventeenth century to the present. Thematic focus includes self, marriage, sexuality, madness, race and generations. Open to majors and non-majors.

LIT 4504 Literature as Cultural Study  MW (3) AS ENG
The study of literary texts as cultural artifacts and the problems of that: Literary texts as historical, social, political, psychological, philosophical, religious, etc. documents (or as any one of those). Topics and works vary.

LIT 4930 Selected Topics in English Studies  (3) AS ENG
The content of the course will be governed by student demand and instructor interest. It will deal in depth in a recurring literary theme or the work of a small group of writers. Special courses in writing may also be offered under this title.

LNW 266E Vergili  (4) AS WLE
PR: LAT 1121 or equivalent. Readings in Vergil's Aeneid, Study of the tradition, techniques, and artistry of Roman epic poetry. Available to majors and non-majors.

LNW 4381 Livy  (4) AS WLE
PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.

LNW 4500 Cicero and Roman Philosophy  (4) AS WLE
PR: Basic knowledge of Latin. Readings in the philosophic writings of Cicero, together with a consideration of ecletic thought.

LNW 4501 Seneca and Roman Philosophy  (4) AS WLE
PR: Basic knowledge of Latin. Readings in the philosophic writings of Lucius Annaeus Seneca, together with an examination of Stoic, Epicurean, and Eclesiastic thought.

LNW 4634 Catullus  (4) AS WLE
PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.

LNW 4644 Cicero  (4) AS WLE
PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

LNW 4654 Horace  (4) AS WLE
PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace; study of the poet's tradition.

LNW 4670 Ovid  (4) AS WLE
PR: LAT 1121 or equivalent. Readings in Ovid's Metamorphoses. Study of Ovid's technique, style, and artistry.

LNW 4800 Directed Reading 1-4 (4) AS WLE
Departmental approval required.

LNW 4930 Selected Topics  (4) AS WLE
Study of an author, movement, or theme.

LNW 5900 Directed Reading 1-4 (4) AS WLE
Departmental approval required. S/U.

LNW 5934 Selected Topics  (4) AS WLE
Study of an author, movement, or theme.

MAA 2121 Intermediate Analysis I 6A (4) AS MTH

MAA 2122 Intermediate Analysis II 6A (3) AS MTH
PR: MAA 2121. Riemann-Stieltjes integration, uniform convergence, and related topics.

MAA 4402 Complex Variables 6A (3) AS MTH
PR: One course for study in 2303 or C. Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Theorem, Cauchy Integral Formula, residue theory.

MAA 5306 Real Analysis I  (3) AS MTH
PR: MAA 2122, Riemann-Stieltjes integrals, uniform convergence, Fourier series, Lebesque measure and integration on R.

MAA 5307 Real Analysis II  (3) AS MTH

MAA 5405 Applied Complex Analysis  (3) AS MTH
PR: Cl. Complex numbers, analytic and harmonic functions, Series. Conformal integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

MAC 1105 College Algebra 6A QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or 490 or better SAT Math score, or 21 or better ACT Math score, or 90 or better Elementary Algebra CPT score, or 40 or better College-Level Math CPT score. No credit for students with prior credit for MAC 1140 or MAC 1147. Concepts of the real number system, functions, graphs, and complex numbers, analytic skills for algebraic, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications. College Algebra may be taken either for General Education credit or as preparation for a pre-calculus course.

MAC 1114 Precalculus 6A (2) AS MTH
PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math score, or 24 or better ACT Math score, or 60 or better College-Level Math CPT score. No credit for students with credit for MAC 1147. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates.

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and authority, formal organization, structural variation, leadership, motivation and communication.

MAN 3301 Human Resource Management (3) BA, MAN
To develop a broad exposure to new approaches, techniques, and future trends in the management of personnel. A study of the major functions in personnel including job analysis, manpower planning, selection, performance evaluation, training, and wage and salary administration.

MAN 3401 Industrial Relations (3) BA, MAN
Conceptualization of the administrative problems arising from unionization. Emphasis on the relationship between management and employee representatives in private and public employment.

MAN 4120 Managerial Behavioral Laboratory (3) BA, MAN
Pr: MAN 3240 or C. A lab course where students experimentally apply behavioral science techniques in an "action-research" framework to the cycle of planned change so as to build a more effective organization.

MAN 4280 Organizational Development and Change (3) BA, MAN
Pr: MAN 3240. The analysis and measurement of factors which influence organizational effectiveness and the quality of work life. Data based cases will be used by students to assess managerial and supervisory skills and to measure organizational functioning and work design.

MAN 4402 Employment Laws (3) BA, MAN
Federal and state regulation of the employment relationship, including wage and hour laws, EEO, affirmative action programs, employees' benefits, insurance, workers' compensation, safety, health, employee's personal rights, collective bargaining legislation.

MAN 4430 Seminar in Negotiations and Administration of Labor Agreements (3) BA, MAN
Case studies in contract negotiation, administration, grievance settlement, and arbitration. Assumes familiarity with industrial relations system.

MAN 4504 Operations Management: A Systems Approach (3) BA, QMB
Pr: ISM 3431 or equivalent. Studies the problems of "operations" in all types of enterprises in both the public and private sectors. Emphasis is placed on the application of various decision science methodologies to problem situations.

MAN 4507 Operation Production Systems (3) BA, QMB
Pr: MAN 4504 or C. Study of closed loop production planning and control systems. Master production planning, inventory management, materials requirements planning, capacity, management, production activity. Relationship to organizational effectiveness.

MAN 4600 International Management (3) BA, MAN
Pr: MAN 3025, Senior Standing or C. A study of the role and importance of the international/multinational firms in the global environment. Impact of the political, regulatory, and economic dimensions will be considered from the manager's perspective.

MAN 4802 Entrepreneurship and Small Business Management (3) BA, MAN
Pr: ACQ 2021, ACQ 2071, MAR 3023, or C. Study of the factors involved in starting and managing a small to medium-sized business. Emphasis on conduct of pre-business feasibility study, start-up of business, successful management of the firm, and options for succession or termination.

MAN 4804 Small Business Management Counseling (3) BA, MAN
Pr: MAN 4802 or C. Field application in small business settings by (a) analyzing an on-going small business and developing recommendations for making improvements; or (b) conducting a feasibility study for a new enterprise and developing a strategy for implementation if favorable.

MAN 4905 Independent Study (1-3) BA, MAN
Pr: C. S/U only. Specialized independent study determined by the instructor.

MAN 4930 Selected Topics in Management (1-3) BA, MAN
Topics to be selected by instructor and department chairperson for pertinent management issues.

MAN 4933 Independent Study of the Research (1-4) BA, MAN
Pr: C. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAP 2302 Differential Equations 6A (3) AS, MTH
Pr: MAC 2283 or MAC 2313. First order linear and nonlinear differential equations, higher order linear equations, applications. MAP 2303 Ordinary Differential Equations II (3) AS, MTH
Pr: MAP 2302 and MAA 4211, or C. Existence and uniqueness theory, properties of solutions, linear systems, stability theory. Sturm-Liouville theory.

MAP 3517 Ordinary Differential Equations II (3) AS, MTH
Pr: MAP 5316 and MAA 5307 or C. Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixon Theory, Lyapunov functions, eigenfunction expansions.

MAP 3545 Applied Partial Differential Equations (3) AS, MTH
Pr: MAP 5407 or C. Separation of variables, the heat equation, wave equation, Laplace's equation, classification, Green's functions with emphasis on applications.

MAP 3507 Methods of Applied Mathematics (3) AS, MTH
Pr: MAP 2302 or C. Sturm-Liouville theory, Fourier series, Green's functions, matrix methods for linear systems of ordinary differential equations, and topics from calculus of variations, control theory, numerical solutions of differential equations.

MAR 2931 Selected Topics in Marketing (1-4) BA, MKT
Not available for credit to upper-level students who have been admitted to the College of Business. Topics to be selected by department chairman.

MAR 3023 Basic Marketing (3) BA, MKT
Pr: ACG 2021, ECO 2013, ECO 2023, or C. Survey of the marketing of goods and services within the economy. Attention is paid to the impact of marketing on other functional areas of business as well as society.

MAR 3400 Professional Selling (3) BA, MKT
Pr: MAR 3023 or C. A study of the stages of the professional selling process, and the role of sales in today's marketing environment. Emphasis on learning adaptive selling techniques and developing effective interpersonal communications skills. Sales careers are examined.

MAR 3813 Marketing Research (3) BA, MKT
Pr: QMB 3200, MAR 3023. A study of research methods and techniques applicable to problem solving in marketing. Attention is also given to defining information needs, determining the value of information, interpreting and reporting information for use in marketing decision making.

MAR 3823 Marketing Management (3) BA, MKT
Pr: MAR 3023. An application-oriented study of the marketing function at an intermediate level. Emphasis upon techniques for analysis and problem-solving. Builds upon the principles and concepts learned in MAR 3023, and provides a strong foundation for the remaining courses in the marketing curriculum.

MAR 4156 International Marketing (3) BA, MKT
Pr: MAR 3023. A study of procedures and problems associated with establishing marketing operations in foreign countries. Includes the applications, principles, and problems in solving the solution of these business problems as well as the effects of national differences on business practices and buyer behavior.

MAR 4213 Logistics and Physical Distribution Management (3) BA, MKT
Pr: MAR 3023 or C. A study of logistics in the marketing of goods and services. Includes a description and analysis of the logistics environment as well as components of the physical distribution system with emphasis on information flows and the application of quantitative techniques used in establishing and controlling customer service levels.

MAR 4231 Retailing Management (3) BA, MKT
Pr: MAR 3023. A comprehensive study of the retailing structure, institutions, and environment. Includes pertinent management theories and practices in analyzing, organizing, planning and controlling retail operations, both large and small.

MAR 4333 Promotion Management (3) BA, MKT
Pr: MAR 3023 or C. A study of the role of promotion in the marketing program of the firm, including the promotional tools available to the marketing manager and the various types of decisions made in the promotional area. Developmental and promotional efforts in the development of a promotional program is emphasized.

MAR 4403 Sales Management (3) BA, MKT
Pr: MAR 3023 or C. A study of sales management and strategy as a source of marketing, and the best use of the sales force. Emphasis is placed on developing the problem-solving and decision-making skills required of the sales manager in the modern market-oriented company.

MAR 4453 Business to Business Marketing (3) BA, MKT
Pr: MAR 3023. A study of the marketing of goods and services to the industrial and institutional sectors. Includes characteristics of the markets and channels of distribution, sales, management,
climatology, the El Niño and Southern Oscillation phenomena, their forecasting and lightning, satellite remote sensing, monsoons, sea-breeze convergence and Florida climatology, surface energy exchange, land use change and its impact on tropical climates.

MGF 1066 Finite Mathematics 6A QM (3) AS MTH PR: C (2.0) or better in MAT 1033, or 100 or better SAT Math score, or C (2.0) or better ACT Math Score, or 72 or better Elementary Algebra CPT score. Concepts and analytical skills in areas of logic, linear equations, linear programming, mathematics of finance, permutations, combinations, probability, and descriptive statistics.

MGF 1107 Mathematics for Liberal Arts 6A QM (3) AS MTH PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or C (2.0) or better ACT Math Score, or 72 or better Elementary Algebra CPT score. The terminal course is intended to present topics which demonstrate the beauty and utility of mathematics to the general student population. Among the topics which might be included are: Financial Mathematics, Linear and Exponential Growth, Numbers and Number Systems, Elementary Number Theory, Voting Techniques, Graph Theory, and the History of Mathematics.

MGF 1116 Mathematical Experience 6A QM (3) AS MTH PR: Two years of high school algebra. Introduction to some important and interesting basic ideas in mathematics with an emphasis on a mathematical way of thinking. Concepts such as definitions, axioms and proofs are explained. Topics from number theory, combinatorics, algebra and geometry are used. Some topics are presented in their historical context, and their impact on their development of mathematics is discussed.

MBGF 1131 Chaos and Fractals 6A QM (3) AS MTH PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or C (2.0) or better ACT Math Score, or 72 or better Elementary Algebra CPT score. Computer experiments in the behavior of functions under iteration: periodicity, attractors, stability, complex numbers, Cantor set, fractional dimension, sensitive dependence.

MGF 3381 Bridge to Abstract Mathematics 6A QM (4) AS MTH PR: MAC 2311 or MAC 2281. Techniques and logic of the construction of proofs. Topics will be selected from propositional logic, set theory, relations and functions, equivalence relations, Boolean algebra, cardinality, and limits.

MHF 4403 The Early History of Mathematics 6A MW (3) AS MTH PR: MAC 2312 and upper-level standing. A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.

MHF 5306 Mathematical Logic and Foundations I (3) AS MTH PR: MAS 4301 or CI. Two-course sequence covering predicate calculus and classical model theory, transfinite set theory and the system ZFC, recursion theory and decidability.

MHF 5307 History of Modern Mathematics (3) AS MTH PR: MAC 2313. Traces the development of mathematical ideas in Western culture. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.

MHS 4052 Human Relations Skills in Counseling MW (4) ED EDC Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relations. Lecture sessions and experiential training.

MHS 4905 Independent Study: Guidance and Counseling Education (1-4) ED EDC PR: DPR, S/U Only. Specialized independent study determined by the student's needs and interests.

MIS 1000 Organization of the Army and ROTC (1) US MIS Make your first new peer group at college committed to performing well and enjoying the experience. Increase self-confidence, build teamwork, study and activities in basic drill, physical fitness, rappelling, first aid, and making presentation. Learn fundamentals of leadership.


MIS 2601 Military Training Management and Instructional Techniques (1) US MIS Learn/apply ethics-based leadership skills that develop individual and contribute to the building of effective teams. Develop skills in oral presentations, writing, planning, coordination of group efforts, fundamentals of ROTC's Leadership Development Program.

MIS 2810 Leadership Assessment (1) US MIS Introduction to individual and team aspects of military tactics in small unit operations, radio communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Learn techniques for training and assessment of leadership development.

MIS 2610L Leadership Laboratory (0) US MIS Required with all classes. Involves leadership responsibilities for the planning, coordination, execution and evaluation of various training activities. Students develop, practice and refine leadership skills by serving and being evaluated in a variety of responsible positions.

MIS 3302 Small Unit Operations (3) US MIS PR: Permission of Department. Series of practical opportunities to lead small groups, receive personal assessments and encourage, and lead again in situations of increasing complexity. Uses small unit operations and opportunities to plan and conduct training for lower division students both to develop such skills and practicing leading.


MIS 4410 Army as a Profession (2) US MIS PR: Permission of Department. Designed to prepare cadets for duty as commissioned officers. Instruction centers around proficiency, familiarization with the military justice system, military administration, the Officer Professional Management System, international laws of war, and principles of management/leadership.

MIS 4421 Seminar in Military Leadership & Management (3) US MIS PR: Permission of Department. Provides a basic understanding of the professional soldier's responsibilities to the Army and the nation. Attempts to improve ethical decision-making skills through an examination of the need for ethical conduct, greater awareness and sensitivity to ethical issues, and the opportunity to apply these abilities in real world case study situations. Included are seminars to acquaint the new lieutenant with his/her relationship to NCOs, officers, and senior officers, and of ethical performance.

MIS 4930 Advanced Directed Study And Research (1-3) US MIS PR: CI and permission of Professor of Military Science. Intensive individual study in a particular aspect of military science that is not covered in regular course offerings. Request for enrollment must be made prior to registration in the form of a written proposal.

MLS 4031 Introduction to Medical Technology (2) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math, and computer application of mathematical ideas in Western culture. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.

MLS 4860 Clinical Urinalysis and Body Fluids (2) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course in laboratory methodology and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal, and joint fluids.

MLS 4861 Clinical Immunology (2) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the tissues, cells, and molecules of the human immune system, emphasizing the detection of serum antibodies and disease states.

MLS 4862 Clinical Hematology (6) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on cellular components of the blood as related to laboratory diagnosis and disease, including blood circulation and morphological and biochemical aspects of blood cells.

MLS 4863 Clinical Microbiology (6) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course emphasizing pathogens responsible for diseases in man, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites, and viruses.

MLS 4884 Clinical Chemistry (6) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the analysis of chemical substances found in the body as related to the diagnosis of human disease, including topics such as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

MLS 4885 Clinical Immunohematology (6) AS IAM PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on blood and tissue typing, including blood group systems, transfusion associated diseases,
HLA testing, and preparation of blood and blood components for transfusion.

MLS 4866 Clinical Laboratory Management and Education (3) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital clinical course on concepts of laboratory management, including personnel staffing, reimbursements, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

MMC 2100 Writing for the Mass Media (3) AS COM
PR: Sophomore standing; 2.7 overall grade point average; grade of "C" in ENCI 1101, ENCI 1102, and passing score on English Diagnostic Test. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and information writing.

MMC 3602 Mass Communications and Society SS HP (3) AS COM

MMC 4212 Media Script Writing (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for electronic media. Emphasis is on documentary presentation.

MMC 4220 History and Principles of Communications Law (3) AS COM
PR: MMC 2100 and MMC 3602. Historical and constitutional backgrounds of freedom and control of expression, statutory enactments, major court decisions and administrative rulings which affect print media, telecommunications, advertising, public relations, and new media.

MMC 4223 Communication Ethics (3) AS COM
PR: MMC 2100 and MMC 3602 or CI. A study of the fundamental principles and philosophies of ethics and their application to the decision-making process in the various professions of mass communications.

MMC 4420 Research Methods in Mass Communications (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of quantitative and historical research methods as applicable to the study of media and mass communications. Emphasis on survey research, evaluation of data, and report writing.

MMC 4900 Directed Reading in Mass Communications (1-3) AS COM
PR: Junior standing and CI. Reading and directed study in special topics.

MMC 4910 Individual Research in Mass Communications (1-3) AS COM
PR: Junior standing and CI. The course provides means for a student to do independent study in an area not covered by a numbered course.

MMC 4936 Selected Topics in Mass Communications Studies (1-3) AS COM
PR: MMC 2100, MMC 3602 and CI. Courses designed to meet current or specific topics of interest to instructors and students.

MMC 4945 Media Internship-Seminar (3) AS COM
PR: CI and 15 hours in Mass Comm. courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School. S/U only. Reports on experiences for discussion and evaluation.

MTG 3212 Geometry 6A (3) AS MTH
PR: MAC 2311. No credit towards Mathematics major. Emphasis on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometry.

MTG 4214 Modern Geometry 6A (3) AS MTH
CP MAS 4301 or CI. Topics will be selected from modern plane geometry. Mobius geometry, elliptic and hyperbolic geometry.

MTG 4302 Introduction to Topology 6A (3) AS MTH

MTG 5256 Differential Geometry (3) AS MTH
PR: MAA 4211, MAS 3105. Exterior calculus, differentiable manifolds, integration of differential forms, surfaces in 3-space, covariant derivative curvature, matrix groups.

MTG 5316 Topology I (3) AS MTH

MTG 5317 Topology II (3) AS MTH
PR: MTG 5316. The fundamental group; elements of homotopy theory and homology theory.

MUC 2221 Composition (3) FA MUS
PR: MUT 1112 and DPR. Private instruction in original composition. Required of all composition majors.

MUC 2301 Introduction To Electronic Music (3) FA MUS
History and repertory of electronic music; standard sound studio techniques; basic electronics as applied in electronic sound synthesizer. Mathematics for music composition and electronic music.

MUC 3231 Composition (3) FA MUS
PR: Necessary competency at junior level determined by faculty jury. DPR. Private instruction in original composition. Required of all composition majors.

MUC 3401 Electronic Music-Analog Synthesis I (3) FA MUS
PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3402 Electronic Music-Analog Synthesis II (3) FA MUS
PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3441 Electronic Music-Digital Synthesis I (3) FA MUS
PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3442 Digital Music Synthesis II (3) FA MUS
PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 4241 Composition (3) FA MUS
PR: Necessary competency at senior level determined by faculty jury. DPR. Private instruction in original composition. Required of all composition majors, a minimum of six semester hours.

MUC 4403 Electronic Music-Real-Time Performance I (3) FA MUS
PR: MUC 3402 and MUC 3442 or equivalent. DPR. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4404 Electronic Music-Real-Time Performance II (3) FA MUS
PR: MUC 3402 and MUC 3442 or equivalent. DPR. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4501 Seminar In Musical Instruments (3) FA MUS
PR: CI. DPR. Experimental sound sources and ensemble groupings; creation of new instruments; unfamiliar sonic materials and unique social contexts for music.

MUC 5220 Jazz Composition (3) FA MUS
PR: MUT 3354 and/or DPR. Private instruction in original jazz composition. Required of all Jazz Studies Comp. majors, minimum six hours.

MUC 5625 Jazz Composition (2) FA MUS
PR: CI. Required of all composition majors. Private instruction in original composition.

MUE 2090 Theoretical Bases Of Music Education (3) FA MUS
PR: DPR. The course is designed to investigate music education practices in the schools. Through the experience and information offered in this course a student will be able to determine his/her commitment to professional music education.

MUE 4580 Beginning Woodwind Techniques (1) FA MUS
PR: Sophomore standing, non-woodwind major. DPR. The course introduces the fundamentals of woodwind instrument pedagogy. In addition basic techniques of woodwind performance are taught through the study of clarinet and flute.

MUE 2460 Beginning Brass Techniques (1) FA MUS
PR: Sophomore standing, non-brass major. DPR. The course introduces the fundamentals of brass wind instrument pedagogy. In addition, basic techniques of brass performance are taught through the study of trombone and trumpet.

MUE 3421 Choral Materials Practicum (1) FA MUS
PR: DPR. A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3422 Band Materials Practicum (1) FA MUS
PR: DPR. A study of band materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.
MUE 3423 Orchestra Materials Practicum (1) FA MUS
PR: DPR. A study of orchestra materials, in a laboratory setting, appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3451 Advanced Woodwind Techniques (1) FA MUS
PR: Sophomore standing, woodwind instrument major or MUE 2450. DPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.

MUE 3451 Advanced Brass Techniques (1) FA MUS
PR: Sophomore standing, brass instrument major or MUE 2460. DPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on all brass instruments.

MUE 3321 Music For The Child (3) FA MUS
PR: Admission to the College of Education. DPR. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

MUE 3411 Music In The Elementary School (3) FA MUS
PR: DPR. A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.

MUE 4321 Foundations Of Choral Music (2) FA MUS
PR: Major status or DPR. This course deals with the development of knowledge and skills needed to effectively organize and teach a choral music program for elementary and intermediate grade level students. Includes scoring, instrumentation, and participation component.

MUE 4330 Classroom Music In The Secondary School (3) FA MUS
PR: DPR. Development and implementation of methods and techniques for teaching music to the student not participating in secondary school music performing groups.

MUE 3311 Choral Methods In The Secondary School (3) FA MUS

MUE 4332 Instrumental Music In The Secondary School (3) FA MUS

MUE 4365 Foundations Of Instrumental Music (2) FA MUS
PR: DPR, MUE 2450, MUE 2460, MVP 1211. Junior standing. Introduction to the foundation of instrumental music instruction in the elementary and middle school.

MUE 4480 Marching Band Techniques (2) FA MUS
PR: Junior standing. DPR. This course is required of instrumental music education majors. It will provide the student with the needed skills in creating for and teaching the public school marching band.

MUE 4356 Seminar In Music Education (1-2) FA MUS
CP: MUE 4940. DPR. Synthesis of teacher candidate’s courses in complete college program. Required concurrently with internship.

MUE 4940 Internship: Music Education (1-12) FA MUS
CP: MUE 4930. Only DPR. Open to all undergraduate students who have completed an internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours.

MUG 3104 Basic Conducting (2) FA MUS
PR: DPR. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical scores.

MUG 4302 Instrumental Conducting (2) FA MUS
PR: MUG 3404 and DPR. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

MUG 2051 Folk And Traditional Music Of World Cultures FA AF (3) FA MUS
A comparative survey of the stylistic traits and functions of the folk and traditional music of both sacred and secular, of diverse Western and non-Western cultures. For non-majors, may be taken by majors as an elective with departmental approval.

MUG 2632 Music In The United States FA (3) FA MUS
Designed for majors and non-majors, this course will use live performances, videotapes, and recordings to illustrate music as practiced in America from Colonial to present times. Included in the course will be study of the contributions of various ethnic/minority groups, and discussions of the relevant social issues connected with these contributions.

MUG 3016 Survey Of Jazz FA (3) FA MUS
For non-majors. Not repeatable. A study of the evolution of America’s “classical” music: Jazz. In addition to an overview of the most prominent artists and literature, the course will focus on the cultural dynamics involved in the development of jazz music.

MUG 3300 Music History/Medieval And Renaissance FA MUS
PR: DPR. Required of music majors; a study of the historical development of musical styles of the Medieval and Renaissance periods and of the music of those periods.

MUG 3301 Music History/Baroque And Classic MW (3) FA MUS
PR: MUL 2111, DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods.

MUG 3302 Music History/Romantic And 20th Century FA MUS
PR: MUL 2111. DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods.

MUG 4058 Intercultural Music In The Twentieth Century MW (3) FA MUS
PR: MUG 2051 or MUL 2111. DPR. An in-depth investigation of composers born after c. 1880, from all parts of the world, who have attempted to integrate elements from two or more cultures into their compositions.

MUG 4801 Hipation Jazz (3) FA MUS
PR: MUL 1112, DPR. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

MUL 2111 Introduction To Music Literature 6A HP FA (3) FA MUS
PR: MUL 1112, DPR. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required for music majors.

MUL 3001 Issues In Music FA AF (2-3) FA MUS
Open only to non-music majors. Lectures and live performances by artist faculty of significant works from the literature for the piano; analysis and illustration of performance of the technical and aesthetic elements in music which vitally concern the artist-performer.

MUL 3012 Music In Your Life FA (3) FA MUS
Open only to non-music majors. A study in the art of music and its materials, designed to develop an understanding of basic principles of music and a technique for listening to music.

MUN 1100 University Pep Band (1-3) FA MUS
This course provides performance experiences with the Pep Band. The course is open to any major area. Fall Term participation in Marching Band is required prior to enrollment.

MUN 1110 University Marching Band (1) FA MUS
This course provides performance experiences with the Marching Band. The course is open to any major area.

MUN 3143 Wind Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media, study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3213 University Orchestra (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3313 University Singers (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3343 Chamber Singers (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3383 University-Community Chorus (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3411 String Quartet (1) FA MUS
PR: DPR. Open to all undergraduate students with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3420 Saxophone Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3421 Flute Choir (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3424 Woodwind Quintet (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3431 Brass Quintet (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3432 Horn Quartet (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3433 Bass Choir (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3443 Percussion Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3444 Marimba Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3453 Piano Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3713 Jazz Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3714 Jazz Chamber Ensemble (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3803 Opera Workshop (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUS 2201 Language Diction For Singers (1) FA MUS
PR: Required of voice performance majors. Specialized study in Language Diction for Singers. Specific language varies, to be announced. Offered continuously. S/U only. This course is required whenever a student registers for applied music. The requirement for the successful completion of the course is attendance at ten (10) department-approved recitals/performances during the semester.

MUS 3490 Directed Reading (1-3) FA MUS
PR: DPR. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with a professor must be executed for registration.

MUS 4905 Directed Study (1-4) FA MUS
PR: DPR. Independent study in the various areas of music; course of study and credits must be assigned prior to registration.

MUS 4930 Selected Topics In Music (1-4) FA MUS
PR: DPR. The content of the course will be governed by student demand and instructor interest.

MUS 4935 Music Senior Seminar (1) FA MUS
PR: DRRP. S/U only. To aid the student in understanding and appraising and perfect their own art through critical and aesthetic judgments of their colleagues.

MUS 5905 Directed Study (1-4) FA MUS
PR: DPR. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration.

MUT 1001 Rudiments Of Music (2) FA MUS
Open to non-music majors; development of skills in hearing and performing music and reading using music notation. Will not count as degree credit for music majors.

MUT 1111 Music Theory I (3) FA MUS
PR: DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

MUT 1112 Music Theory II (3) FA MUS
PR: MUT 1111, DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

MUT 1241 Aural Theory I (1) FA MUS
PR: DRRP. To be taken concurrently with MUT 1111, MUT 1112.
Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 1242 Aural Theory II (1) FA MUS
PR: MUT 1241, DPR. Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2116 Music Theory I (3) FA MUS
PR: MUT 1112, DPR. Required of music majors; continuation of MUT 1111 and MUT 1112.

MUT 2117 Music Theory II (3) FA MUS
PR: MUT 2116, DPR. Required of music majors; continuation of MUT 1111, 1112, and 2116.

MUT 2246 Advanced Aural Theory I (1) FA MUS
PR: MUT 1242. To be taken concurrently with MUT 2116, MUT 2117.
Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2247 Advanced Aural Theory II (1) FA MUS
PR: MUT 2246. To be taken concurrently with MUT 2116, MUT 2117.
Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

MUT 2841 Jazz Theory And Improvisation I (2) FA MUS
PR: MUT 1112 and/or DPR. A study of jazz improvisational techniques and related jazz theory.

MUT 2842 Jazz Theory And Improvisation II (2) FA MUS
PR: MUT 2841 or DPR. A study of jazz improvisational techniques and related jazz theory.

MUT 3353 Jazz Composition And Arranging I (3) FA MUS
PR: MUT 1112 and DPR. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz instrumentation, harmonic, and melodic practices.

MUT 3354 Jazz Composition And Arranging II (3) FA MUS
PR: MUT 3353 and DPR. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz instrumentation, harmonic and melodic practices.

MUT 3663 Advanced Jazz Improvisation I (2) FA MUS
PR: MUT 2642 or DPR. A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students’ solos ability. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 3664 Advanced Jazz Improvisation II (2) FA MUS
PR: MUT 3663, DPR. A continuation of Jazz Styles and Analysis I with the emphasis on contemporary jazz artists. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 4311 Orchestration I (2) FA MUS
PR: DPR. Intensive study and practice in scoring for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

MUT 4312 Orchestration II (2) FA MUS
PR: MUT 4311, DPR. Intensive study and practice in scoring for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

MUT 516 Sixteenth Century Practice (3) FA MUS
PR: MUT 2177, DPR. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and
writing music in the style of the period through the use of aural and visual analysis.

MUT 4421 Eighteenth Century Practice (3) FA MUS
PR: MUT 2117, DPR. An intensive study of the contrapuntal practice of the 18th century, development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

MUT 4571 Twentieth Century Practice (3) FA MUS
PR: MUT 2117, DPR. A study of 20th century theoretical concepts, development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

MUT 5051 Graduate Review Of Music Theory (2) FA MUS
PR: DPR. A graduate level review of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.

MVB 1211 Applied Trumpet (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1212 Applied French Horn (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1213 Applied Trombone (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1214 Applied Euphonium (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1311 Trumpet Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1312 French Horn Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1313 Trombone Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1314 Euphonium Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1315 Tuba Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1411 Trumpet Major (3) FA MUS
PR: DPR. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1412 French Horn Major (3) FA MUS
PR: DPR. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1413 Trombone Major (3) FA MUS
PR: DPR. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1414 Euphonium Major (3) FA MUS
PR: DPR. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 1415 Tuba Major (3) FA MUS
PR: DPR. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2321 Trumpet Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2322 French Horn Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2323 Trombone Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2324 Euphonium Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2325 Tuba Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 2421 Trumpet Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2422 French Horn Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2423 Trombone Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2424 Euphonium Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2425 Tuba Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3311 Trumpet Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 3312 French Horn Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 3331 Trombone Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 3332 French Horn Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 3333 Trombone Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.

MVB 3334 Euphonium Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are not available on S/U basis. Private and class instruction.
MV B 3335 Tuba Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV B 3431 Trumpet Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 3432 French Horn Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 3433 Trombone Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 3434 Euphonium Major (3) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV B 3435 Tuba Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV B 4441 Trumpet Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 4442 French Horn Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 4443 Trombone Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 4444 Euphonium Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 4445 Tuba Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV B 5251 Applied Trumpet (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MV B 5252 Applied French Horn (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MV B 5253 Applied Trombone (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MV B 5254 Applied Euphonium (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MV B 5255 Applied Tuba (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MV J 1210 Applied Jazz Piano (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MV J 1213 Applied Jazz Bass (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MV J 1219 Jazz Percussion (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MV J 1310 Applied Jazz Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 1313 Jazz Guitar Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 1410 Applied Jazz Piano Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 1413 Jazz Guitar Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 1414 Jazz Bass Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 2320 Applied Jazz Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MV J 2323 Jazz Guitar Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.
MVJ 2324 Jazz Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2333 Jazz Guitar Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2420 Applied Jazz Piano Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2423 Jazz Guitar Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2424 Jazz Bass Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3330 Applied Jazz Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3333 Jazz Guitar Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3334 Jazz Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3339 Applied Jazz Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3430 Applied Jazz Piano Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3433 Jazz Guitar Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3434 Jazz Bass Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3439 Applied Jazz Percussion (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4340 Jazz Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4343 Jazz Guitar Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4344 Jazz Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4349 Jazz Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4440 Jazz Piano Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4443 Jazz Guitar Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4444 Jazz Bass Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4449 Jazz Percussion Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4950 Applied Jazz Performance (3) FA MUS
PR: MUS 2642 and MUS 3215. Necessary competency at junior level determined by faculty jury examination. Private and class instruction.

MVJ 5280 Applied Jazz Piano Secondary (2) FA MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5283 Applied Jazz Guitar Secondary (2) FA MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5284 Applied Jazz Bass Secondary (2) FA MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5289 Applied Jazz Percussion Secondary (2) FA MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5981 Applied Jazz Performance (2) FA MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1121 Keyboard Skills I (2) FA MUS
PR: MVK 1111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1221 Applied Piano (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVK 1311 Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1411 Piano Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1811 Beginning Piano I (2) FA MUS
Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1821 Beginning Piano II (2) FA MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2111 Keyboard Skills III (2) FA MUS
PR: MVK 1121 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2121 Keyboard Skills IV (2) FA MUS
PR: MVK 2111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying,
transposition, harmonization, basic technique, and appropriate literature.

MVK 2321 Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 2421 Piano Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 3111 Music Majors, Level V (2) FA MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 3331 Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 3431 Piano Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4341 Piano Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 4441 Piano Major (3) FA MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4640 Piano Pedagogy I (4) FA MUS
PR: DPR. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction.

MVK 4641 Piano Pedagogy II (4) FA MUS
PR: MVK 4640. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction.

MVP 1211 Applied Percussion (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVP 1311 Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 1411 Percussion Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 2321 Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 2421 Percussion Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3331 Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 4341 Percussion Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 4441 Percussion Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 5251 Applied Percussion, Secondary (2) FA MUS
PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble. Required of all applied music majors. Private and class instruction.

MVS 1211 Applied Violin (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1212 Applied Viola (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1213 Applied Violoncello (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1214 Applied Double Bass (1) FA MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVS 1311 Violin Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1312 Viola Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1313 Violoncello Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of nonmusic majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1314 Double Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1411 Violin Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1412 Viola Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1413 Cello Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1414 Double Bass Major (3) FA MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2321 Violin Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.
MVS 2322 Viole Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2323 Violoncello Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2324 Double Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 2421 Violin Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2422 Viola Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2423 Cello Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2424 Double Bass Major (3) FA MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3331 Violin Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3332 Viola Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3333 Violoncello Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3334 Double Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3431 Violin Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3432 Viola Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3433 Cello Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3434 Double Bass Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3435 Violin Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3436 Viola Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3437 Violoncello Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4344 Double Bass Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4441 Violin Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4442 Viola Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4443 Cello Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4444 Double Bass Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4521 Applied Viola (1) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4522 Applied Viola (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4523 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4524 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4525 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4526 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4527 Applied Viola (1) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4528 Applied Viola (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4529 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4530 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4531 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4532 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4533 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4534 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4535 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4536 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4537 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4538 Applied Double Bass (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVS 4539 Applied Cello (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVW 1211</td>
<td>Applied Flute (1)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Open to audition only. One half-hour private lesson or one hour per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training. Apply.</td>
</tr>
<tr>
<td>MVW 1212</td>
<td>Applied Oboe (1)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.</td>
</tr>
<tr>
<td>MVW 1213</td>
<td>Applied Clarinet (1)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.</td>
</tr>
<tr>
<td>MVW 1215</td>
<td>Applied Saxophone (1)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.</td>
</tr>
<tr>
<td>MVW 1311</td>
<td>Flute Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1312</td>
<td>Oboe Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1313</td>
<td>Clarinet Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1314</td>
<td>Bassoon Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1315</td>
<td>Saxophone Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1411</td>
<td>Flute Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 1412</td>
<td>Oboe Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
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<tr>
<td>MVW 1413</td>
<td>Clarinet Major (3)</td>
<td>FA MUS</td>
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<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
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<tr>
<td>MVW 1414</td>
<td>Bassoon Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
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<tr>
<td>MVW 1415</td>
<td>Saxophone Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all applied music majors. Open to a limited number of non-music majors by audition only. Apply.</td>
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<tr>
<td>MVW 2231</td>
<td>Flute Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 2232</td>
<td>Oboe Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 2233</td>
<td>Clarinet Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
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<tr>
<td>MVW 2234</td>
<td>Bassoon Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 2235</td>
<td>Saxophone Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 2241</td>
<td>Flute Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 2242</td>
<td>Oboe Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 2243</td>
<td>Clarinet Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 2244</td>
<td>Bassoon Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 2245</td>
<td>Saxophone Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 3331</td>
<td>Flute Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 3332</td>
<td>Oboe Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 3333</td>
<td>Clarinet Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 3334</td>
<td>Bassoon Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 3335</td>
<td>Saxophone Principal (2)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Apply.</td>
</tr>
<tr>
<td>MVW 3431</td>
<td>Flute Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
<tr>
<td>MVW 3432</td>
<td>Oboe Major (3)</td>
<td>FA MUS</td>
<td>DPR</td>
<td>Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Apply.</td>
</tr>
</tbody>
</table>
MVW 3433 Clarinet Major (3) FA MUS
PR: Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3434 Bassoon Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3435 Saxophone Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3431 Flute Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3432 Oboe Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3434 Clarinet Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3434 Bassoon Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 3436 Saxophone Principal (2) FA MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4441 Flute Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4442 Oboe Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4443 Clarinet Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4444 Bassoon Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4445 Saxophone Major (3) FA MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 5251 Applied Flute (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5252 Applied Oboe (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5253 Applied Clarinet (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5254 Applied Bassoon (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5255 Applied Saxophone (2) FA MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

NUR 3064C Health Assessment Across The Life Span (3) NUR
PR: Admission to nursing major or CI. Focuses on history taking, physical appraisal skills basic to biopsychosocial assessment across the life span. Emphasizes assessment phase of the diagnostic reasoning process to identify alterations in functional health patterns.

NUR 3113 Culture of Nursing (2) NU NUR
PR: Admission to nursing major or CI. Introduction to evolving role of the professional nurse in historical and current context of nursing’s development, nursing’s theoretical progression, and wellness-focused practice as a culture.

NUR 3114 Introduction to Clinical Judgment (3) NU NUR
PR: Concurrent with NUR 3114L. Admission to nursing major. Focuses on the basic concepts of health, functional health patterns and communication. Critical thinking is used to analyze the effects of changes in health status and nursing implications.

NUR 3114L Introduction to Clinical Practice (2) NU NUR
PR: Concurrent with NUR 3114. Admission to nursing major. Includes laboratory, clinical experiences, and selected psychomotor skills. Beginning application of clinical judgment in implementing therapeutic nursing interventions for adults.

NUR 3145 Pharmacology in Nursing Practice (2) NU NUR
PR: Admission to nursing major or CI. Examines pharmacotherapeutics, pharmacodynamics, pharmacokinetics, adverse reactions and contraindications; therapeutic indications according to functional health patterns; and nursing implications.

NUR 3215 Adult Health I (3) NU NUR
PR: NUR 3113, NUR 3114, NUR 3114L, NUR 3064C. Concurrent with NUR 3215L. Examines adults with alterations in health maintenance, nutritional/metabolic, elimination, and sexuality/reproductive functional health care patterns. Critical thinking is used to analyze the effects of changes in health status.

NUR 3215L Clinical Practice in Adult Health I (3) NU NUR

NUR 3284C Gerontological Nursing (2) NU NUR
PR: NUR 3113, NUR 3114, NUR 3114L, NUR 3064C. Nursing Majors. Focuses on theories of aging and human development; assessment of functional health patterns; and planning health promotion and disease prevention activities with older adults. Critical thinking is used to analyze the effects of interventions on individuals and groups.

NUR 3829 Ethical Legal Aspects in Nursing and Health Care (2) MW (3) NU NUR
PR: NUR 3113 or CI. Nursing Majors. Introduction to contemporary biophysical and legal issues confronting health care providers in a variety of settings. Focuses on identification of legal and ethical principles underlying the decision-making process in nursing and health care.

NUR 4041 Culture In Nursing Practice (2) NU NUR
PR: NUR 3113 or CI. Nursing Majors. Introduces knowledge and skills needed to give culturally congruent nursing care to people from diverse cultural groups. Compares and analyzes health-related practices, values, beliefs among major cultural groups.

NUR 4165 Nursing Inquiry (2) NU NUR
PR: NUR 3113, Nursing Majors or CI. An exploration of the research process. Emphasis on identification of researchable nursing problems and evaluation of research that is applicable to nursing practice.

NUR 4194 An Interdisciplinary Perspective in HIV Disease (6A MW (3) NU NUR
PR: Provides an interdisciplinary perspective on HIV disease. Topics include the etiology, spectrum, and treatment of HIV disease; international perspectives; issues of race, gender, and ethnicity; values, ethics, and their influence on responses to HIV, and how the media has shaped the epidemic.

NUR 4216 Adult Health II (3) NU NUR
PR: NUR 3829, NUR 3145, NUR 3215, NUR 3215L, NUR 3284C. Concurrent with NUR 4216L. Nursing Majors. Focuses on adults with health problems related to activity/exercise and cognitive/perceptual health patterns. Critical thinking is used to analyze the effects of changes in health status.

NUR 4216L Clinical Practice in Adult Health II (3) NU NUR
NUR 4245 Wellness: Health Promotion and Maintenance in Nursing (2) NU NUR
Open to non-nursing majors. Introduction to concepts of wellness and health promotion. Concepts of wellness include nutrition, exercise, rest, activity, spiritual factors and their relationship to health promotion and application to nursing practice.

NUR 4395C Specialized Techniques in Child Health Assessment (3) NU NUR
Designed to teach the reliable administration and interpretation of the NCST II and OME instruments. Interobserver reliability will be achieved through observation of parent-child interaction.

NUR 4525 Psychiatric/Mental Health (2) NU NUR
Nursing Majors. Explores the mind, body, spirit alterations in functional health patterns experienced by clients with acute or chronic mental health illnesses. Examines psychopathology, psychopharmacologic therapies and community resources.

NUR 4525L Clinical Practice In Psychiatric/Mental Health (1) NUR
Nursing Majors. Focuses on clinical intervention using critical thinking and communication skills. Focus is on skills required for complex psychiatric rehabilitation care. Opportunities are offered to apply knowledge of psychopathology and psychopharmacologic therapies.

NUR 4616 Family Health (4) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4616.
Nursing Majors. Focuses on health promotion, identification of risk factors, illness care, disease prevention, and health restoration and maintenance of childbearing and childrearing families.

NUR 4616L Clinical Practice In Family Health (3) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4616.
Nursing Majors. Includes therapeutic intercences for childbearing and childrearing families within a variety of settings.

NUR 4636 Community Health (2) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4636.
Nursing Majors and admission to the major for RN or BS students. Focuses on theories/concepts essential to community health care, emphasizing illness prevention and health promotion of individuals, families, communities. Roles of community health nurses and environments that affect health are explored.

NUR 4636L Clinical Practice In Community Health (2) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4636.
Nursing Majors and admission to major for RN or BS students. Provides opportunities to engage in community health nursing practice to promote health and prevent illness with individuals, families, and communities.

NUR 4643 Nursing Interventions into the Acute Effects of Drug and Alcohol Abuse (2) NU NUR
Focuses on the assessment and treatment of individuals and families who are in the acute phases of addiction. Emphasis will be placed on treatment outcomes for designated populations with consideration for cultural, socioeconomic, political and legal/ethical factors.

NUR 4644 Nursing Interventions into the Rehabilitation of Clients who Abuse Substance (2) NU NUR
Focuses on models of treatment and interventions for clients and families who are in the rehabilitation and relapse prevention phases of treatment for addictions. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for criminal justice, social work, political and legal/ethical factors.

NUR 4645 Substance Abuse Across the Lifespan (2) NU NUR
This course introduces the student to concepts of substance abuse and theories of addiction. The applicability of theories and concepts to clinical assessment, diagnosis and intervention with the client populations across the lifespan is explored.

NUR 4765C Rehabilitation Across the Life Span (2) NU NUR
PR: NUR 4616, NUR 4616L, NUR 4636L, NUR 4636L. Nursing Major or CRN: Basic concepts of rehabilitation related to human responses. Analysis of the changes in health status and nursing implications.

NUR 4766 Critical Care (2) NU NUR
PR: NUR 4616, NUR 4616L, NUR 4636, NUR 4636L. Nursing Majors or CRN: Basic concepts of critical care nursing, focusing on selected health problems to analyze the affects of changes in health status.

NUR 4792 Sexually Transmitted Diseases And HIV Infection (2) NU NUR
Open to students and caregivers in health related fields. Examines prevalent sexually transmitted diseases and HIV infection from a nursing perspective. Emphasis is on epidemiological principles, immunology, treatment, prevention, and ethical/legal considerations.

NUR 4948L Preceptorship (3) NU NUR
PR: NUR 4525, NUR 4525L, NUR 4616L, NUR 4636L, NUR 4636L.
Nursing Majors. Individually contracted practicum collaboratively planned by students, faculty and agency personnel.

OCE 2001 Introduction to Oceanography (3) MS MSC
Overview of biological, chemical, geological, and physical oceanography. Also listed under Geology.

OCE 4936 Selected Topics in Marine Science (1-4) MS MSC
Selected topics in the marine sciences including marine biology, marine chemistry, marine geology and geophysics, physical oceanography, and interdisciplinary topics relating to marine environments.

ORI 2000 Introduction to Communication As Performance (3) AS SPE
Designed to develop proficiency in the understanding and oral presentation of literary and other written materials.

ORI 3950 Communication As Performance Laboratory (1-3) AS SPE
PR: ORI 2000 or CI. The study, rehearsal, and performance of literature for Readers Theatre and Chamber Theatre productions.

ORI 4120 Performance of Poetry (3) AS SPE
PR: ORI 2000 or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic forms and techniques.

ORI 4310 Group Performance of Literature (3) AS SPE
PR: ORI 2000 or CI. Designed to introduce the student to and give experience in various forms of group approaches to performance.

ORI 4931 Performance and Video - (3) AS SPE
PR: ORI 2000. CP. ORI 3950. This course features adaptation, direction, and performance of literature for video productions.

ORI 5930 Topics in Performance Genres - (3) AS SPE
Variable topics course.

PAD 3003 Introduction to Public Administration (SS (3) AS PAD
Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

PAD 4144 Nonprofit Organizations and Public Policy (3) AS PAD
Role and importance of third sector (voluntary) organizations in American society; focus on public policy through service in a voluntary organization.

PAD 4204 Public Financial Administration (3) AS PAD
Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

PAD 4419 Personnel and Supervision in Today's Diverse Organizations (3) AS PAD
The study of concepts, principles and practices of personnel management and supervision that influence the attainment to desired performance goals in today's public and not-for profit organizations. Course participants will explore issues that influence the successful management of human resources in dynamic employment settings.

PAD 4707 Managing Information Resources in the Public Sector (3) AS PAD
The study of the fundamental concepts, theories, principles and practices in public information management. Internet access is required.

PAD 5035 Selected Topics in Public Administration and Public Policy (3) AS PAD
Selected issues and topics in Public Administration and Public Policy course content based on student demand and instructor's interest. May be repeated for up to 6 credits as topics vary.

PAD 5035 Issues in Public Administration and Public Policy (3) AS PAD
Srl. & GS only. Selected issues and topics in Public Administration and Public Policy.
PAD 5044 Environment of Public Administration (3) AS PAD
Examination of the legal, political, and ethical environment in which public managers work.

PAD 5333 Concepts and Issues in Public Planning (3) AS PAD
Pr: URP 4050 or URP 6056, GS or Sr. Analysis of basic concepts, issues, and strategies of planning, policy determination, collection of information, and decision-making.

PAD 5605 Administrative Law (3) AS PAD
An examination of the constitutional and statutory bases and limitations of the administrative process, administrative adjudication, rule making, and the judicial review of such actions.

PAD 5700 Research Methods in Public Administration (3) AS PAD
This course provides the student with the fundamental skills and knowledge of how research is designed, implemented, analyzed, and utilized in public sector agencies. Available to majors and non-majors.

PAD 5807 Administration of Urban Affairs (3) AS PAD
GS or Sr. Analysis of the role of the administrator at the municipal level, the division of functions, policy formation, alternative governmental structures, effects on the administrative process.

PCB 1511 Molecular and Human Genetics (3) AS BIO
Pr: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Molecular genetics with applications to biomedicall science; genetic engineering; chromosomes, their molecular architecture, abnormalities, and other topics. Laboratory included.

PCB 1910 Topics in Biomedical Science (3) AS BIO
Pr: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Designed to initiate high school students to the fundamentals of scientific research. Students are given lectures and perform laboratory exercises in pathologic microbiology, immunology, marine biology, and plant biochemistry. Most of their time is spent working on individual research projects.

PCB 3023 Cell Biology (3) AS BIO
Pr: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, and CHM 2046. A discussion of the concept and significance of the cell to biology; biological molecules and metabolic processes within the cell; cellular energy conversion systems; and control of cellular metabolism. Lec.

PCB 3023L Cell Biology Laboratory (1) AS BIO
CP/Pr: PCB 3023. Laboratory portion of Cell Biology. Metabolic processes within the cell.

PCB 3043 Principles of Ecology (3) AS BIO
Pr: 1 year major's Biology. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.-dis.

PCB 3043L Principles of Ecology Laboratory (1) AS BIO
CP/Pr: PCB 3043. Laboratory portion of PCB 3043, Principles of Ecology.

PCB 3063 General Genetics (3) AS BIO
Pr: 1 year major's Biology. Introduction to genetics including the fundamental concepts of Mendelian, molecular and population genetics. Lec.-dis.

PCB 3063L General Genetics Laboratory (1) AS BIO
CP/Pr: PCB 3063. Laboratory investigation techniques in general genetics including Mendelian and non-Mendelian relationships, and gene interactions.

PCB 4064C Genetic Genetics (3) AS BIO
Pr: PCB 3063. Experimental analysis of genetic systems, Lec.-lab.

PCB 4674 Organic Evolution (3) AS BIO
Pr: PCB 3063. An introduction to modern evolutionary theory. Lecture on population genetics, adaptations, speciation theory, phylogeny, human evolution and related areas. Lec.-dis.

PCB 4723 Animal Physiology (3) AS BIO
Pr: PCB 3043 or PCB 3056. Advanced presentation of mechanisms employed by animals to interact with their environment and to maintain their organization. Lec.

PCB 4723L Animal Physiology Laboratory (1) AS BIO
CP/Pr: PCB 4723. Laboratory portion of Animal Physiology.

PCB 5235 Principles of Immunology (3) AS BIO
Pr: PCB 3023 or MCB 3030C. Course will emphasize the biological principles involved in the vertebrate immune response. It will present the homeostatic, defense, and detrimental aspects of the immune system in terms of basic cellular and molecular mechanisms. Techniques will be described to familiarize the student with the types of immunological tools available to the cellular and molecular biologist.

PCB 5256 Developmental Biology (5) AS BIO
Pr: PCB 3023. Topics in modern developmental biology to be covered in lecture and through readings so as to gain a working knowledge and understanding of the cellular and molecular mechanisms of cell differentiation in both plants and animals.

PCB 5306 Limnology (3) AS BIO
Pr: PCB 3043, CHM 2046, PHY 2053, or CI. An introduction to the physical, chemical, and biological nature of freshwater environments. Lec.

PCB 5306L Limnology Laboratory (1) AS BIO
CP/Pr: PCB 5306. Laboratory portion of Limnology. Laboratory and field experience in the area of aquatic ecology.

PCB 5415 Behavioral Ecology (3) AS BIO
Pr: PCB 3043 or PCB 4674. An emphasis on the evolutionary mechanisms that influence an organism's behavioral responses to environmental events. The theoretical framework is presented and analyzed.

PCB 5525 Molecular Genetics (3) AS BIO
Pr: PCB 3063. Detailed examination of DNA, RNA and protein synthesis; the effects of mutations on proteins, cellular control; selected aspects of viral, bacterial, and fungal genetics.

PCB 5835 Neurophysiology (3) AS BIO
A comparative analysis of the physiochemical basis and evolution of nervous systems and sensory mechanisms.

PCB 5845C Principles of Neuroscience (4) AS BIO
Pr: PCB 4723. Studies the structure and function, with an emphasis on the neuroanatomy, neurophysiology, and neurophysiology of the human brain. Topics include brain imaging, dementia, and mechanisms of learning/memory. Brain research techniques will also be discussed, as are basic neuropsychological processes that result in abnormal brain function.

PEL 1121 Golf I (2) ED EDJ
S/U only. Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation.

PEL 1341 Tennis I (2) ED EDJ
S/U only. Introductory experiences in the sport of tennis. Basic skills, playing strategies, lecture, demonstration, and participation.

PEL 2122 Golf II (2) ED EDJ
S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 2342 Tennis II (2) ED EDJ
S/U only. Continuation of PEL 1341. Refinement of basic skills, supplementary strokes, greater emphasis on tactics and playing strategies.

PEL 2441 Racquetball (2) ED EDJ
S/U only. Development and refinement of the skills and strategies of Racquetball with opportunity for competition and tournament play.

PEM 2131 Weight Training (2) ED EDJ
S/U only. Knowledge and techniques necessary for increasing muscle function. Assessment of status and development of a personal program.

PEM 2441 Karate (2) ED EDJ
S/U only. Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation.

PEM 2930 Selected Topics (1-2) ED EDJ
S/U only. DFR. Activities offered are selected to reflect student need and faculty interest.

PEN 1121 Swimming I (2) ED EDJ
S/U only. Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety.

PEN 2113 Lifeguard Training (2) ED EDJ
Pr: PEN 2122 or equivalent. S/U only. Knowledge and skills necessary for saving the lives of others in the event of aquatic emergency.

PEN 2122 Swimming II (2) ED EDJ
Pr: PEN 1121 or equivalent. S/U only. Continuation of PEN 1121. Special emphasis on development of endurance and efficient swimming.

PEN 2136 Skin & Scuba Diving (2) ED EDJ
Pr: PEN 2172 or equivalent. S/U only. Development of the essential skills and knowledge necessary for enjoying the sport of Skin & Scuba Diving. Correct utilization and care of equipment; emphasis on personal safety.

PEP 3940 Practicum in Health Promotion/Wellness (4) ED EDJ
Pr: Completion of Semesters I and II and admission to the College of Education. S/U only. Practical experience as a professional in a community or worksite health promotion or wellness program.
PEP 3951 Communication Skills For Wellness Leaders (3) EDP
PR: Completion of Semester I and II in Wellness Leadership track or DPR. Designed to develop knowledge and skills in communication and counseling that is specific to wellness and health promotion.

PEQ 3170 Aquatic Exercise (2) ED EDP
An instructor training course in aquatic exercise. Focuses on teaching aerobic, strength, flexibility, and weight control exercises performed in swimming pools. Open to non-majors.

PET 2522C Care and Prevention of Physical Injuries (3) EDP
DPR. Principles and techniques of conditioning athletes for competition; prevention and care of injuries in physical education and athletic activities.

PET 3031 Motor Development and Assessment (3) ED EDP
Study of the assessment, evaluation and motor development performance of children and adolescents and application of principles of motor skills acquisition in physical education instruction. Open to non-majors.

PET 3080 Survey of Wellness Program (3) ED EDP
An analysis of various types of wellness programs in the public and private sector including community-based programs, commercial health and fitness enterprises, government-based programs, corporate-based programs, and hospital health and fitness centers.

PET 3252 Issues in Sport SW (3) ED EDP
A study of organized sport as a pervasive part of contemporary society. By increasing understanding of some of the issues and controversies based in the structure of sport and society, individuals will be able to understand and improve sport experiences for themselves and others.

PET 3310 Kinesiology (3) ED EDP
A study of the structure and function of the skeletal and muscular systems and of mechanical principles related to psycho-motor performance. Open to non-majors.

PET 3351 Exercise Physiology I (3) ED EDP
A study of the effects of physical activity on the body. Topics include acute and chronic adaptation of the cardiovascular, muscular, metabolic, hormonal, and energy systems to exercise. Open to non-majors.

PET 3421 Curriculum and Instruction in Physical Education (3) ED EDP
Development of knowledge and skills related to the instruction process of physical education. Preparation of materials and planning instruction.

PET 3422 Instructional Design and Content: Movement Experiences (3) ED EDP
PR: CC. This course develops a variety of motor skills and includes the study of systems for analyzing movement. It prepares students to plan and conduct movement experiences in a wide variety of educational settings.

PET 3441 Instructional Design and Content: Middle School Physical Education (3) ED EDP
The development of physical education content and instructional practices for middle school students. The focus is upon matching appropriate content and learning experiences to the unique needs of the pre- and early adolescent learner.

PET 3617C Orthopaedic Physical Assessment I (Upper Extremity) (3) ED EDP
PR: CC. The study and practice of techniques used when assessing athletic injuries to the upper extremity, head and spine.

PET 3618C Orthopaedic Physical Assessment II (Lower Extremity) (3) ED EDP
PR: CC. The study and practice of techniques used when assessing athletic injuries to the lower extremity, pelvis, and gait.

PET 3621C Prevention of Athletic Injuries (3) ED EDP
PR: CC. Advanced principles in the selection, fabrication and application of protective equipment, tape, splints, casts, braces and other orthoses commonly used in athletic training and sports medicine settings. Theory and practice in risk management and injuries related to environmental factors.

PET 3624C Emergency Management of Athletic Trauma & Illness (3) ED EDP
PR: CC. Theory and practice of basic emergency management techniques dealing with trauma resulting from injuries and illnesses suffered by an athletic population.

PET 3636C Techniques in Therapeutic Exercise (3) ED EDP
Theory and practical applications of therapeutic exercise and movement science. Includes techniques in Feldenkrais movement patterns, aquatic exercise, lifting protocols, plyometric training, isokinetic testing, stability ball training, and a variety of common exercise equipment.

PET 3640 Adapted Physical Education (3) ED EDP
A study of characterizing programming needs and teaching of physical education for students with disabilities.

PET 3660 Athletic Training Administration and Policy (3) ED EDP
PR: CC. Analysis and application of organizational skills and administrative structure of the athletic training profession, including current theory about budget management, medical record keeping, drug testing, facility design and maintenance, legal aspects of sports medicine, athletic physical examinations, medical ethics, current educational concepts, and administrative policy.

PET 3670L Clinical Instruction in Athletic Training I (3) ED EDP
PR: CC. Observation and performance of basic athletic training skills under the direct supervision of an NATABOC certified/state licensed athletic trainer. This course provides students with the opportunity to develop competence in a variety of introductory athletic training skills. Clinical experiences are obtained in the university’s sports medicine facilities and will be accompanied by a one-hour seminar each week.

PET 3671L Clinical Instruction in Athletic Training II (3) ED EDP
PR: PET 3670L. CC. Continuation of clinical experience utilizing new skills under the direction of an NATABOC certified/state licensed athletic trainer. This course provides students with the opportunity to develop competence in a variety of introductory and mid-level athletic training skills. Clinical experiences are obtained in the university’s sports medicine facilities and/or approved affiliates and will be accompanied by a one-hour seminar each week.

PET 3931 Selected Topics (1-3) ED EDP
DPR. Topics offered are selected to reflect student need and faculty interest.

PET 3943 Physical Education Internship: Middle School (4) EDP
A part-time internship in middle school physical education. Focus on the relationship of physical education to the needs of the pre- and early adolescent learner, the organization and purpose of the middle school, and application appropriate content and methodologies.

PET 4141 Trends and Tasks- Elementary Physical Education (3) ED EDP
Taken concurrently with PET 4942 Physical Education Internship: Elementary, Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4142 Trends and Tasks - Secondary Physical Education (1) ED EDP
Taken concurrently with PET 4944 Physical Education Internship: Secondary, Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4304 Principles and Issues in Coaching (3) ED EDP
The application of principles from philosophy, psychology, sociological, and physiology to competitive athletics and coaching.

PET 4353 Exercise Physiology II (3) ED EDP
PR: PET 3352. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritics, elderly, and high performance athletes. Open to non-majors.

PET 4384 Health-Fitness Appraisal & Exercise Prescription (3) ED EDP
PR: PET 3352. Techniques in conducting health-fitness test and exercise prescription for adults. Includes cardiovascular strength, flexibility, body composition, health risk testing, exercise prescribing, and monitoring. Open to non-majors.

PET 4501 Organization & Administration of Physical Education Programs (3) ED EDP
A study of organizational and administrative procedures for physical education programs in elementary and secondary schools. Includes scheduling, facilities, extra-curricular programs, and the selection and supervision of staff.

PET 4404 Organization & Administration of Wellness Programs (3) ED EDP
Design and implementation of various types of wellness programs with emphasis on assessment and evaluation, management, staffing, participant adherence, program design, budgeting, legal liability, and marketing.
PHI 3404 Scientific Method (3) AS PHI
Probability, induction, inference, the hypothetico-deductive method, experimentation, and selected topics in the philosophy of science.

PHI 3630 Contemporary Moral Issues SS (3) AS PHI
Open to all students. A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights in general.

PHI 3633 Biomedical Ethics (3) AS PHI
This course will focus on the ethical issues arising from advances in medical practice and delivery of health care, and scientific research.

PHI 3636 Professional Ethics (3) AS PHI
An examination of the ethical problems that professionals will face in the complex, global society of the next few decades: confidentiality, loyalty, divided loyalties, etc.

PHI 3640 Environmental Ethics SS (3) AS PHI
A study of the alternative theories of environmental ethics, including the application of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.

PHI 3700 Philosophy of Religion 6A SS (3) AS PHI
Analysis of religious experience and activity and examination of principal religious ideas in light of modern philosophy.

PHI 3905 Directed Study (1-4) AS PHI
PR: CI. Approval slip from instructor required. Individual study directed by a faculty member.

PHI 3930 Selected Topics (1-4) AS PHI
PR: CI. Selected topics according to the needs of the student.

PHI 4073 African Philosophy MW (3) AS PHI
A descriptive and analytical study of African philosophical thought, focusing especially on comparisons of African and Western categories of thought. (May also be taken for credit in Africana Studies.)

PHI 4300 Theory of Knowledge 6A MW (3) AS PHI
An examination of human knowledge; its scope and limits, and an evaluation of evidence, criteria of truth, the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.

PHI 4320 Philosophy of Mind 6A MW (3) AS PHI
A study of historical and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problems of other minds, the physical basis for intelligence.

PHI 4632 Feminist Ethics MW (3) AS PHI
A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wolstencroft, Mill, Gilligan, Daly, Hoagland and others. May also be taken for credit in Women's Studies.

PHI 4670 Contemporary Ethical Theory (3) AS PHI
A survey of contemporary ethical theory, focusing both on the literature about the status of ethical theorizing--moral scepticism, moral nihilism, narrative ethics--and on specific types of theories--deontological theories, consequentialist theories, rights-based theories, virtue theories, etc.

PHI 4800 Aesthetics 6A MW (3) AS PHI
A study of traditional and contemporary aesthetic theories with emphasis on creative process, the nature of the art work, the aesthetic response, expressiveness, form and content, as well as art and morality.

PHI 4905 Directed Study (1-4) AS PHI
PR: CI. Approval slip from instructor required. Individual study directed by a faculty member.

PHI 4930 Selected Topics (1-3) AS PHI
PR: CI. Approval slip from instructor required. Selected topics according to the needs of the senior students.

PHI 5135 Symbolic Logic (3) AS PHI
PR: PHI 2100 or CI. Study of topics such as the following: Metatheory of propositional and predicate logic, related metaanalytic results, alternative logic.

PHI 5225 Philosophy of Language (3) AS PHI
PR: Eight hours of philosophy, major in linguistics, or CI. An examination of semantically, syntactically, and functionally theories of language with special attention given to the problems of meaning, linguistic reference, syntactical forms and the relations between scientific languages and ordinary linguistic usage. Seminar format.

PHI 5639 Social Issues in Biomedical Ethics (3) AS PHI
An examination of the social and political issues arising from rapid changes in medicine and technology. Topics covered may include social issues related to the just distribution of health care, reproductive technologies, HIV and AIDS, eugenics, genetic testing, and maternal-fetal relations.

PHI 5913 Research (1-4) AS PHI
PR: CI. Approval slip from instructor required. Individual research supervised by a faculty member.

PHI 5934 Selected Topics (1-3) AS PHI
PR: CI. Approval slip from instructor required. Selected topics according to the needs of the student.

PHM 3100 Social Philosophy 6A SS HP (3) AS PHI
An analysis of rival theories of social order and their philosophical foundations.

PHM 3400 Introduction to Philosophy of Law (3) AS PHI
A study of the fundamental concepts of law from a philosophical standpoint including crime, justice, punishment, free speech, insani-

PHM 4120 Major Black Thinkers MW (3) AS AFA
Survey of major themes and issues in African/African-American intellectual and political thought with an emphasis on theories of rationalism. Works of intellectual such as Martin Delany, Booker T. Washington, W. E. B. DuBois, Marcus Garvey, Malcolm X, and Angela Davis are considered.

PHM 4322 Ancient and Medieval Political Philosophy MW (3) AS PHI
A survey of Political philosophy from 6 B.C. until 1600 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.

PHM 4323 Modern Political Philosophy 6A MW (3) AS PHI
A survey of political philosophy from 1600 A.D. until 1900 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.

PHM 4340 Contemporary Political Philosophy 6A MW (3) AS PHI
A survey of political philosophy in the twentieth century, including an examination of the ethical, metaphysical and epistemological bases of these philosophies.

PHM 5125 Topics in Feminist Philosophy (3) AS PHI
A study of recent feminist philosophical approaches to epistemology, aesthetics and political philosophy. May also be taken for credit in Women's Studies.

PHM 5126 Social Issues in Biomedical Ethics (3) AS PHI
An examination of the social and political issues arising from rapid changes in medicine and technology. Topics covered may include social issues related to the just distribution of health care, reproductive technologies, HIV and AIDS, eugenics, genetic testing, and maternal-fetal relations.

PHM 5127 Existentialism 6A HP (3) AS PHI
A study of the religious and atheistic existentialists and the bearing of their views on religion, ethics, metaphysics, and theory of knowledge.

PHM 4000 Plato 6A MW (3) AS PHI
The examination of Plato will include the dialogues Protagoras, Georgias, Meno, Republic.

PHM 4010 Aristotle 6A MW (3) AS PHI
Study of Aristotle's philosophy.

PHM 4410 Kant (3) AS PHI
Lecture and discussion of Kant's philosophy, especially the Critique of Pure Reason.

PHM 4610 The Rationalists 6A MW (3) AS PHI
A careful study of the metaphysics and epistemologies of Descartes, Spinoza, Leibniz, and Malebranche.

PHM 4745 The Empiricists 6A (3) AS PHI
A careful study of the metaphysics and epistemologies of Locke, Berkeley, Hume, and Thomas Reid.

PHM 4784 Analytical Philosophy 6A (3) AS PHI
A study of the method devoted to clarifying philosophical problems through analysis of the language in which these problems are stated.

PHM 4788 Philosophy of Marxism 6A MW (3) AS PHI
A critical survey of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbert Marcuse. Hegelian foundations of Marxist philosophy analyzed in detail.

PHT 5021 Introduction to the Profession (2) ME PHT
Foundations of systems thinking, decision making, professional expression, responsibility and accountability (including legal/ethical concepts), culture and argumentation for the roles of the physical therapist in administration, consultation, critical inquiry, education, and patient/client management. Restricted to majors.

PHT 5022 Profession Expression (2) ME PHT
Development of a learning unit(s) on physical therapy research and the investigation of patient care plans by application of theories of systems thinking, decision making, professional expression, responsibility and accountability (including legal/ethical concepts), culture, and argumentation with emphasis on the critical inquiry and education roles of the physical therapist. Restricted to majors.

PHT 5023 PT & Other Hlth C Providers (3) ME PHT
Development of a prevention wellness program, etc.

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systems thinking, decision making, professional expression, responsibility, accountability (including ethical concepts), culture, and argumentation with emphasis on the consultation role of the physical therapist. Restricted to majors.

PHT 5171C Basic Science I (4) ME PHT
Introduction to the peripheral neuromuscular, skeletal, integumentary, and circulatory systems in normal and pathological states. This includes the anatomy and physiology of bones, joints, skin, nerves, and blood vessels, as well as the response of these tissues to injury and associated potential for healing. Topics will be correlated with PCOM I. Restricted to majors.

PHT 5172C School of Physical Therapy (2) ME PHT
Emphasis on physiology of the internal organ systems and physiology of the internal organ systems and the physiology of exercise.

PHT 5172C Basic Science II (2) ME PHT
Emphasis on the physiology of the internal organ systems and the physiology of exercise.

PHT 5172C Basic Science III (2) ME PHT
Guided integrative study of the brain, central and peripheral nervous systems, infectious disease processes, systemic diseases, aging and the degenerative process. This includes the anatomy, physiology, and functional components of the brain and its descending tracts with respect to motor control and learning. Restricted to majors.

PHY 5271 Patient/Client Management I (3) ME PHT
Seminar in which basic principles of patient/client management are introduced. Also introduces students to the group learning and interactive process. Restricted to majors.

PHY 5272 Patient/Client Management II (4) ME PHT
Seminar in which students apply principles of patient/client management. This course further develops the group learning and interactive process. Restricted to majors.

PHY 5273 Patient/Client Management III (3) ME PHT
Seminar in which students apply principles of patient/client management to cases with increasing complexity (medical, functional, behavioral, psychodynamic, socioeconomic). Restricted to majors.

PHY 5275C Physical Therapy Science I (3) ME PHT
Introduction to basic physical therapy skills in examination, evaluation, diagnosis, prognosis, intervention and outcomes. Activities will be correlated with the tutorial case in PCOM I. Restricted to majors.

PHY 5276C Physical Therapy Science II (3) ME PHT
Further development and integration of basic physical therapy skills in examination, evaluation, diagnosis, prognosis, and intervention and outcomes. Restricted to majors.

PHY 5822 Clinical Education I (3) ME PHT
Initial clinical practice experience for the development of patient care skills. The course is graded Satisfactory/ Unsatisfactory. Restricted to majors.

PHY 2020 Conceptual Physics NS (3) AS PHY
No credit for Physics or Mathematics majors. A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today.

PHY 2038 Energy and Humanity NS (3) AS PHY
Social, economic, and political aspects of energy. Includes energy conservation, environmental impact, energy-source alternatives, changing lifestyles, and personal use of solar energy, the relevant basic laws of physics and the scientific understanding of humans are emphasized. Field trips and audiovisual presentations play important roles.

PHY 2048 General Physics I NS (3) AS PHY
PR: MAC 2281 or MAC 2311. Must be taken concurrently with lab and cannot be dropped when dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses. First semester of a two-semester sequence of calculus-based general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) for physics majors and engineering students.

PHY 2048L General Physics I Laboratory (1) AS PHY
PR: MAC 2281 or MAC 2311. Must be taken concurrently with lecture and cannot be dropped when dropped simultaneously. May not receive credit for both the PHY 2053L and PHY 2048L courses. First semester of a two-semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students.

PHY 2049 General Physics NS (3) AS PHY
PR: MAC 2282 or MAC 2312. PHY 2048, PHY 2048L. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 PHY 2054 and PHY 2049 courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2049L General Physics Laboratory (1) AS PHY
PR: MAC 2282 or MAC 2312. PHY 2048, PHY 2048L. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049L courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2053 General Physics NS (3) AS PHY
PR: MAC 1140 and MAC 1114, or MAC 1147. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses. First semester of a two semester sequence of non-calculus-based general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) for science students.

PHY 2053L General Physics Laboratory (1) AS PHY
PR: PHY 2053 and PHY 2053L. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses. Second semester of non-calculus-based general physics for science students.

PHY 3101 Modern Physics I (3) AS PHY

PHY 3221 Mechanics I (3) AS PHY
PR: PHY 2048. CP: MAC 2283 or MAC 2313. First semester of a two-semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work.

PHY 3323C Electricity and Magnetism I (4) AS PHY
PR: PHY 2049, PHY 3221, MAC 2283 or MAC 2313. Electrostatic fields and potentials, electric displacement; Gauss's law; electric conductivity, RC circuits, Fourier and finite element methods. Laboratory. First semester of sequence PHY 3323C, PHY 4324C.

PHY 3342C Optics (4) AS PHY
PR: PHY 2049, CP: MAC 2283 or MAC 2313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

PHY 3822L Intermediate Laboratory (2) AS PHY
PR: PHY 2049 or equivalent; CP: PHY 3101. Experiments in modern physics, including the areas of atomic, nuclear, solid state and wave phenomena.

PHY 4031 Great Themes in Physics 6A MW (3) AS PHY

PHY 4151 Computation Physics (3) AS PHY
Introduction to computer applications in physics. Emphasis on numerical modeling and simulation of physics problems using linear algebra, differential equations and Monte Carlo methods. No prior programming experience required.

PHY 4151 Computational Physics (3) AS PHY

PHY 4222 Mechanics II (3) AS PHY
PR: PHY 3221; CP: MAP 2302. Continuation of PHY 3221. Coupled oscillators and nonlinear motion. Wave motion in one, two, and three dimensions; Lagrange's and Hamilton's equations; inertia tensor; general rotation of rigid bodies.

PHY 4324C Electricity and Magnetism II (4) AS PHY
PR: PHY 3323C, PHY 4222; CP: MAP 2302. Continuation of PHY 3323C. Introduction to special relativity, magnetic fields and poten-
PHY 4523 Statistical Physics (3) AS PHY
PR: PHY 3101, senior status. Statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics.

PHY 4524 Introduction to Quantum Mechanics (3) AS PHY
PR: PHY 3101, or CI. Basic concepts of quantum mechanics with applications in atomic, nuclear, and condensed matter physics.

PHY 4744C Introduction to Electronics and Test Instrumentation (4) AS LAB
PR: General Physics or CI. Not for major credit. Introduces the fundamentals of analog and digital electronics used in measurements and instrumentation. Weekly labs give hands-on experience in designing and troubleshooting electronic circuits and using test instrumentation (oscilloscopes, digital multimeters, etc.).

PHY 4823L Advanced Laboratory (2) AS PHY
PR: PHY 3822L. Experimental work primarily related to modern physics. Emphasis on experimental techniques used in current research.

PHY 4905 Independent Study (1-3) AS PHY
PR: CI. S/U only. Specialized, independent study determined by the student's need and interest. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

PHY 4910 Undergraduate Research (1-4) AS PHY
PR: Senior or advanced junior standing and CC. S/U only. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms are to be determined by student/instructor agreement.

PHY 4930 Undergraduate Seminar (1-3) AS PHY
PR: Senior or advanced junior standing or CC. S/U only. Undergraduate physics majors must enroll in this course at least once. Regular attendance is required. This course introduces students to the research areas in the Physics Department.

PHY 4936 Selected Topics in Physics (1-4) AS PHY
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.

PHY 5201 Mathematical Analysis of Problems in Mechanics and Electricity (2) AS PHY
PR: PHY 2053 and PHY 2054, MAC 2283 or MAC 2313. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus.

PHZ 2102 Problems in General Physics I (1) AS PHY
CP: PHY 2053. First semester of a two-semester sequence on solving problems in General Physics I. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

PHZ 2103 Problems in General Physics II (1) AS PHY
CP: PHY 2049 or PHY 2054. Second semester of a two-semester sequence on solving problems in General Physics II. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

PHZ 5115 Methods of Theoretical Physics I (3) AS PHY
PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus.

PHZ 5116 Methods of Theoretical Physics II (3) AS PHY
PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory.

PHZ 5156C Computational Physics I (3) AS PHY
PR: SES 5420 or CI. C programming applied to real science and engineering problems. Data analysis, numerical algorithms, modeling, parallel computation. Subjects selected from current research may include neurobiology, quantum magnetism, chaos, finance, and materials science.

PHZ 5304 Nuclear Physics (3) AS PHY
PR: PHY 4604 or CI. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reactions, and high energy physics.

PHZ 5305 Solid State Physics I (3) AS PHY
PR: PHY 3101, MAP 2302, CI. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426.
POS 3283 Judicial Process and Politics (3) AS POL
The organization, development, and functioning of American court systems and the causes and consequences of judicial behavior from an empirical perspective.

POS 3453 Political Parties and Interest Groups (3) AS POL
Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.

POS 3691 Introduction to Law and Politics (3) AS POL
Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.

POS 3697 Environmental Law (3) AS POL
This course examines some of the major issues involving environmental law. Specially, the course provides a survey and analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. The course will also address questions pertaining to problems of implementation, interpretation, enforcement, and development of environmental laws.

POS 3713 Empirical Political Analysis (3) AS POL
Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.

POS 3910 Selected Topics (3) AS POL
Selected topics in political science with course content based upon student demand and instructor's interest.

POS 4204 Political Behavior, Public Opinion, and Elections (3) AS POL
Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.

POS 4413 The American Presidency 6A (3) AS POL
The presidency as a political institution: analysis of powers: legislative, administrative, political, and foreign policy leadership; crisis management and decision making; White House staffing; limits on power.

POS 4424 The American Congress (3) AS POL
Organization, procedures, committee system, party leadership, relations with governmental and non-governmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.

POS 4614 Constitutional Law I (3) AS POL
PR: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.

POS 4624 Constitutional Law II (3) AS POL
PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries concerning the constitutional rights of individuals.

POS 4693 Women and Law I (3) AS WST
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues. May also be taken for credit in Women's Studies.

POS 4694 Women and Law II 6A MW (3) AS WST
PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. May also be taken for credit in Women's Studies.

POS 4905 Independent Study (1-3) AS POL
PR: 3.0 average in Political Science and CI. S/U only. Specialized study determined by the student's needs and interests.

POS 4910 Individual Research (1-3) AS POL
PR: 3.0 average in Political Science and CI. Investigation of some aspect of political science culminating in the preparation of an original research paper.

POS 4936 Senior Seminar (3) AS POL
PR: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.

POS 4941 Field Work (3-15) AS POL
PR: Senior standing and CI. Opportunity to work with others in a seminar format, exploring specialized topics.

POS 4970 Honor Thesis (3) AS POL
PR: Admission to Honor option. Writing of honor thesis under direction of faculty members. <BodPOS 5094 Issues in American National and State Government (3) AS POL
Selected topics of study in American government.

POS 5155 Issues in Urban Government and Politics (3) AS POL
Selected issues and topics in Urban Government and politics.

POS 5159 Urban Policy Analysis (3) AS PAD
GS. Examination of the organizational and administrative aspects of planning, program development, and evaluation at the local level by state, regional, and other agencies.

POT 3003 Introduction to Political Theory (3) AS POL
Examines various kinds of theory used in political science for understanding political development, normative theory, empirical theory, historicism, analytical theory, and critical theory.

POT 3013 Classical Political Theory (3) AS POL
Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POT 4054 Modern Political Theory (3) AS POL
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.

POT 4064 Contemporary Political Thought (3) AS POL
Examines various political views and political phenomena in the nineteenth and twentieth centuries. Diverse theoretical types and salient political phenomena will be presented.

POT 4109 Politics and Literature 6A LW (3) AS POL
Critical examination of the connections between politics and literature.

POT 4204 American Political Thought (3) AS POL
Examines political writings in the U.S. and responses to critical periods in history, beginning with the Founding Fathers, and culminating in recent contributions and understanding contemporary political problems and solutions.

POT 4681 The Politics of Identity, Difference and Inequality MW (3) AS POL
PR: POT 3003. An analysis of how relationships of social identity and difference become the basis of social, political and economic inequality in modern society. It incorporates both contemporary and classical discussions of inequality.

POT 4936 Selected Topics in Political Theory (3) AS POL
Selected topics or thinkers in political theory.

POT 5262 Issues in Political Philosophy and Law (3) AS POL
PR: Graduate or senior standing and CI. Selected topics in political philosophy and law.

PPE 4004 Personality (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

PSB 4013C Physiological Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Gross neural and physiological components of behavior: Structure and function of the central nervous system and theory of brain functions.

PST 4012 Psychology II (3) AS PSY
A broad survey of psychology for both majors and non-majors with special emphasis on the more applied areas of psychology (e.g., social psychology, abnormal psychology, personality, and development psychology).

PSY 3022 Contemporary Problems in Psychology SS (3) AS PSY
The content of this course varies depending on the needs and interests of students and faculty. Offerings include in-depth coverage of specialized aspects of psychology applied to contemporary problems not studied in general introductory courses.

PSY 3044 Psychology II SS (3) AS PSY
PR: PSY 3213 or CI. Designed as an in-depth examination of the basic principles and concepts of psychological science. Extensive coverage will be given to the areas of learning, perception, physiological psychology, and cognition.

PSY 3213 Research Methods in Psychology (4) AS PSY
PR: PSY 2012 with a grade of C or better, or CI. This course considers the logic of experimental design, concept of control and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab. May be taken concurrently with PSY 3044.

PSY 4205 Experimental Design and Analysis (3) AS PSY
PR: PSY 3213 with grade of C or better. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on topics from analysis of variance.

PSY 4604 History and Systems of Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.
PSY 4913 Directed Study (1-3) AS PSY
PR: CI. S/U only. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member.

PSY 4931 Select Topics: Seminar (3) AS PSY
PR: Upper-level standing, psychology major and CI. Graduate-type seminar designed to provide the advanced undergraduate student with an in-depth understanding of a selected sub-area within psychology.

PSY 4932 Honors Seminar (3) AS PSY
PR: Admission to honors program in psychology and CI. May not count for major credit. The student, under supervision of a faculty member, will formalize, conduct, analyze, and report in writing a research project in psychology.

PSY 4933 Advanced Topics in Applied Behavior Analysis (4)
PR: EXP 4404 and CLP 4414. Restricted to Psychology majors admitted to the Concentration in Applied Behavioral Analysis. Advanced seminar in the effective and ethical application of behavior analysis to human problems. Includes theoretical and conceptual issues, assessment and treatment procedures; legal, ethical and socio-cultural issues.

PSY 4970 Honors Thesis (1-3) AS PSY
PR: Admission to honors program in psychology and CI. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student under supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in psychology.

PUP 4002 Public Policy (3) AS POL
Exams the formation and implementation of public policy in areas such as the economy, health, etc.

PUP 4203 Environmental Politics and Policy (3) AS POL
Examines the politics of environmental issues, formation and implementation of environmental policy.

PUP 4323 Women and Politics 6A MW (3) AS WST
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. May also be taken for credit in Government.

PUP 5607 Public Policy and Health Care (3) AS POL
The study of health care policy as it relates to the policy process in the American setting.

PUR 3000 Principles of Public Relations (3) AS COM
PR: MMC 2100 and MMC 3602. The underlying theory and professional practice of public relations within corporate and institutional structures and its vital role in society; ethical standards of practice, and relationships of the practice to the public media; public relations problem-solving process.

PUR 4100 Writing For Public Relations (3) AS COM
PR: JOU 2100 and PUR 3000. Techniques for creating effective written public relations communications to achieve organizational goals, including news releases, proposal letters, broadcast scripts, and memos. Exercises based on case study scenarios.

PUR 4103 Public Relations Design and Production (3) AS COM
PR: MMC 2100 and MMC 3602. Theoretical and practical applications of design for public relations publications. Design software. Study of visual design, page architecture, typography, color and illustrations. Integration of design elements in the design of different types of public relations publications.

PUR 4401 Public Relations: Issues, Practices and Problems (3) AS COM

PUR 4700 Public Relations Practicum (1) AS COM
PR: CI and CI. For public relations sequence majors. S/U. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

PUR 4801 Advanced Public Relations (3) AS COM
PR: MMC 4420, PUR 4100 and PUR 4401. As final course in Public Relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of case studies and preparation of complete Public Relations program. Extensive reading in the literature of contemporary practice.

QMB 2100 Business And Economic Statistics I 6A QM (3) BA QMB
PR: MAC 2230 or MAC 2233. Data description; exploratory data analysis; introduction to probability; binomial and normal distributions; sampling distributions; estimation with confidence intervals; tests of hypotheses; control charts for quality improvement.

QMB 3200 Business And Economic Statistics II (3) BA QMB
PR: MAC 2230 or MAC 2233, QMB 2100. Simple linear regression and correlation; multiple regression and model building; forecasting models; analysis of variance; chi-square tests, nonparametric methods.

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions (3) AS REH

RCS 5035 Rehabilitation Counseling: Concepts and Application (3) AS REH
PR: CC. Introduction to the profession of Rehabilitation Counseling and current issues in the field. Coverage includes rehabilitation history, legislation, case management and related services for Americans with disabilities.

RCS 5090 Medical Aspects of Disability (3) AS REH
PR: RCS 5700 or CP. A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicaps, physical and mental, to rehabilitation and mental health programming.

RCS 5404 Foundations of Mental Health Counseling (3) AS REH
PR: CC. A skill-building course on the utilization of one's self in mental health counseling relationships. Includes study of the origin, history, professional functions and current issues in the discipline of mental health counseling.

RCS 5406 Human Growth and Development (3) AS REH
PR: RCS 5700, RCS 5404. Majors only. Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.

RCS 5450 Substance Abuse I (3) AS REH

RCS 5460 Legal, Ethical and Professional Standards and Issues in Counseling (3) AS REH
PR: CC. An overview of all aspects of professional functioning including history, roles, organizational structures, ethics, standards and credentialing. Contemporary and developing issues in the field of professional counseling will also be addressed.

RCS 5802 Practicum I (1) AS REH
PR: Majors Only. Must be taken concurrently with RCS 5406. S/U. Supervised experience and practice in counseling in various rehabilitation and mental health settings for a minimum of 120 hours.

RCS 5905 Directed Studies (1-4) AS REH
PR: CI. Supervised rehabilitation studies under the direction of a faculty member.

REA 1105 Advanced Reading (3) AS ENG
Designed to help students develop maximum reading efficiency. The course includes extensive instruction and laboratory practice in the improvement of adequate rates of reading, vocabulary, and comprehension skills. An independent study approach is also available for students who prefer to assume responsibility for their own progress. Will not be counted toward the English major.

REA 1195 Learning Strategies Within Academic Disciplines (2) US RLS
To provide within any academic discipline the necessary learning strategies needed for success related to academic coursework. Practice of learning strategies will be within the framework of the student's coursework, providing direct transfer to academic area material. Will not be counted toward the English major.

REA 2505 Vocabulary (3) US RLS
A practical course in vocabulary improvement for students in all areas. Stress is on words in context. Will not be counted toward the English major.

REA 2930 Selected Topics: Learning Strategies (1-4) US RLS
Topics will vary to meet the needs of students.
RED 4310 Early Literacy Learning (3) ED EDE
Pre-admission to College of Education. Prepares preservice teachers to understanding the foundations of literacy and the learning principles and instructional strategies necessary to provide literacy instruction to emergent, novice, and transitional readers and writers with reading disabilities.

RED 4511 Literacy in the Intermediate and Middle Grades (3) ED EDR
Pr.: RED 4310. Prepares preservice teachers to facilitate literacy learning for students who are beyond the primary grades. Students will develop an understanding of instructional strategies and materials appropriate for remedial, multilingual, and mainstream students ways to promote literacy development across the curriculum, including reading disabilities.

REE 3043 Real Estate Decision Making (3) BA FIN
Pr.: FIN 3403. Acquaints students with the range of knowledge required to engage in real estate decision-making in the United States. Integrates the institutional framework with which decisions are made, the elements of financial analysis, deal structuring, and marketing, and the pricing, financing, and allocation of real property in the real estate markets.

REE 4303 Real Estate Investment Analysis (3) BA FIN
Pr.: FIN 4504. A comprehensive study of the determinants of the market and financial feasibility of the real estate investment decision. The development of market and site analyses, theories of urban development, the state, and the role of tax and will be studied along with the application of analytical techniques for decision making.

REL 2210 Hebrew Bible/Old Testament (4) AS REL
An introduction to the critical study of the Hebrew Scriptures against the background of the ancient Near East, with attention to the history and religion of the Hebrew people.

REL 2240 Introduction to the New Testament (3) AS REL
An introduction to the critical study of the New Testament in context, a Christian beginning in the first century A.D.

REL 2300 Introduction to World Religions 6A HP (4) AS REL
A cross-cultural exploration of the major religions of the world through lectures, films, and the reading of key religious texts. Religions covered will include Judaism, Christianity, Islam, Confucianism, Hinduism, and Buddhism.

REL 2306 Contemporary World Religions HP (4) AS REL
This course will explore the unity and diversity of religious traditions in our contemporary global context in order to understand the mutual interactions between religions and cultures. Emphasis will be placed on the role of religions in shaping human values which can either create or resolve social conflicts, and the impact these values can have on issues of race, ethnicity and religious diversity in a multicultural world.

REL 3000 Ancient Religions in Context (4) AS REL
Study of the religions in their cultural setting of the peoples of the ancient Middle East and Mediterranean.

REL 3003 Introduction to Religion (3) AS REL
This course examines the phenomenon of religion to answer the questions: What is religion? What is it? Religion includes theology (and religion) and religious behavior (ritual and morality) are closely examined from a variety of methodological perspectives.

REL 3111 The Religious Quest in Contemporary Films 6A SS HP (4) AS REL
This course will use contemporary films such as Gandhi, Malcolm X, The Long Walk Home, The Color Purple, The Leap of Faith, The Chosen, and Grand Canyon, to explore the personal and social dimensions of religion in modern secular societies, with an emphasis on issues of racism, sexism and human liberation and reconciliation.

REL 3114 Comedy, Tragedy, and Religion 6A MW (3) AS REL
Examines the visions of life in comedy and tragedy, and relates both to Judaism, Christianity, and Zen Buddhism.

REL 3120 Religion in America (3) AS REL
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration, the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3131 New Religions in America (3) AS REL
A course designed to allow the student to survey the wide spectrum of contemporary sects and cults in America and learn what motivates their development.

REL 3132 Witchcraft and Paganism in America (3) AS REL
A study of contemporary witchcraft and paganism, including theories, methods, history, myths and symbols, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 3140 Religion, Culture, and Society (3) AS REL
Introductory scholarly survey of religion in its complex relationship to culture and society, including definitions and theories of religion, research methods, becoming religious, social organization, and interconnections with other institutions open to non-majors.

REL 3145 Women and Religion 6A (3) AS REL
Analysis of the status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology and the contemporary situation for women in Judaism and Christianity.

REL 3148 Womanist Vision in Religion MW (3) AS REL
This course examines the works of Black Womanist writers in religion for their contributions to and insights into the phenomena of religion in America and the world.

REL 3155 Life After Death 6A MW (3) AS REL
An exploration of ideas about life after death and its relation to this life in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3170 Religion, Ethics and Society Through Film 6A SS HP (4) AS REL
An ethical analysis of contemporary social issues through contemporary films such as Wall Street and Crimes and Misdemeanors, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3280 Biblical Archaeology MW (3) AS REL
An in-depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3303 Comparative Religion: Judaism and Islam MW (3) AS REL
This course is framed within the academic study of religion, and it does not concern itself with contemporary political difference in the Middle East. It treats as Islam the normative statements of the Qur'an and related traditions, and as Judaism the authoritative statements of the Torah, oral and written.

REL 3310 World Religions (3) AS REL
A comparison of the ideas, the literature and institutions of the major religions of the world including Judaism, Christianity, Islam from the Near East and Hinduism, Taoism, Confucianism, and Buddhism from the Far East. General comparison of Western and Eastern beliefs.

REL 3330 The Religions of India AF (3) AS REL
All religions of the world came to India and all became Indian. What is this 'Indiaanness' which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Baha'i.

REL 3352 Introduction to Islam 6A HP AF (3) AS REL
This course introduces the basic elements of Islamic belief and practice, placing the rise of Islam in its historical context in the Middle East and stressing issues of diversity (including ethnicity and gender) in the Islamic state.

REL 3367 Islam in the Modern World 6A HP AF (3) AS REL
Examines the major developments in Islamic thought since the 13th century, with emphasis on the 19th and 20th century Islamic resurgence. Issues of diversity, gender, and social values will be stressed.

REL 3375 Issues in Caribbean Religions MW (3) AS REL
This course concentrates on major social and cultural issues in Caribbean religions mainly in Cuba, Haiti, Jamaica, and Trinidad, with emphasis on African-derived religions and Western and Eastern religious encounters.

REL 3380 Native American Religions (3) AS REL
Introduction to and survey of Native American Religions. A variety of multiplicity of perspectives, including anthropological, historical, social psychological, sociological, and philosophical.

REL 3420 Contemporary Religious Thought (3) AS REL
A study of the central ideas of recent religious thinkers; such as Gandhi, Martin Luther King, Jr., Elie Wiesel, Thich Nhat Hanh, Dorothy Day, Dorothee Soelle, Howard Thurman, Thomas Merton and others.

REL 3465 Religion and the Meaning of Life 6A MW (3) AS REL
What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3501 History of Christianity 6A HP (4) AS REL
Historical development of Christianity, its ideas and institutions, from the first century to the rise of religious modernism in the 19th century.

REL 3561 Roman Catholicism 6A MW (3) AS REL
An examination of the history, doctrine, and ethics of the Roman Catholic Church.

REL 3600 Introduction to Judaism 6A SS HP AF (3) AS REL
An introduction to Judaism, its religious tenets; its codes of ethics; its rites and customs. This course is intended as a description of what it means to be a Jew.

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RTV 4220 Television Production and Direction (3) AS COM
PR: RTV 3001, RTV 3301, and RTV 3304. A basic course in the techniques of producing and directing television programs.

RTV 4304 Television News and Chekhov (3) AS COM
PR: RTV 4320. Advanced television reporting, integrating broadcast news writing, ENG production and television performance.

RTV 4320 Electronic Field Production (3) AS COM
PR: RTV 3001 and RTV 3301. Advanced producing, scripting, lighting, camera, and editing for video and news production.

RTV 4500 Telecommunications Programming Management (3) AS COM
PR: RTV 3001. Program and management concepts, resources, costs, selection, and scheduling. Analysis of programming and management in terms of structures, appeals and strengths.

RTV 4700 Telecommunications Law and Policy (3) AS COM
PR: for broadcast news option: MMC 4200, POS 2112 or POS 3142. RTV 3001, and RTV 3301; for production option: RTV 2100 or RTV 3001, RTV 3001 or RTV 4500. Senior Standing. A study of the electronic media from the perspective of governmental regulation and the political process with special emphasis on how regulatory policy is determined.

RTV 4942 TV Practicum (1) AS COM
PR: RTV 4220 and CI. For telecommunications sequence majors. S/U only. Practical experience out of the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

RUS 1120 Beginning Russian I (4) AS WLE
CP: RUS 1120L. The first course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 112L Beginning Russian I Laboratory (1) AS WLE
CP: RUS 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

RUS 2200 Russian III (4) AS WLE
PR: First year Russian or equivalent. Review and development of basic skills in conversation and reading.

RUS 2201 Russian IV (4) AS WLE
PR: RUS 2200 or equivalent. Review and development of basic skills in conversation and reading.

RUS 2270 Overseas Study (1-6) AS WLE
Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian around Moscow and other parts of Russia.

RUS 3240 Conversation I (4) AS WLE
PR: Second year Russian or equivalent. Development of basic conversational skills.

RUS 3470 Overseas Study (1-6) AS WLE
Must be enrolled in the USF Summer Study in Moscow program. Two years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 3500 Russian Civilization 6A MW (3) AS WLE
A survey of the cultural history of Russia.

RUS 4241 Conversation II (4) AS WLE
PR: Previous course in series or equivalent. Development of conversational skills.

RUS 4402 Advanced Russian Conversation & Composition I (4) AS WLE
PR: RUS 4241 or CI. Third year Russian.

RUS 4403 Advanced Russian Conversation & Composition II (4) AS WLE
PR: RUS 4241 or CI. Third year Russian.

RUS 4471 Advanced Overseas Study (1-6) AS WLE
Must be enrolled in the USF Summer Study in Moscow program. Three years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 4900 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

RUS 4905 Directed Study (1-3) AS WLE
Developmental approval required.

RUT 3110 Russian Classics in English 6A MW LW (3) AS WLE
Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and契诃夫. Elective for all students in all departments.

RUT 3111 Twentieth-Century Russian Literature in English 6A MW LW (3) AS WLE
Masterpieces of 20th century Soviet literature in English. The major works of Bely, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.

SCE 4236 Science, Technology, Society Interaction 6A MW (4) EDED
Achieve a historical and philosophical understanding of (1) the nature of the scientific enterprise: interaction of science, technology, and society (STS), (2) how to teach STS including the use of computers and related technologies, and (3) intricacies of sample STS topics.

SCE 4305 Communication Skills in the Science Classroom (3) EDED
Reading and communication skills important in understanding scientific literature and communicating findings to others.

SCE 4310 Teaching Elementary School Science (3) ED EDE
PR: Admission to College of Education and completion of General Distribution Requirements in the Natural Science area. Techniques of instruction in the science in the elementary school.

SCE 4320 Teaching Methods in Middle Grade Science (3) ED EDE
PR: Completion of 25 semester hours of Science or CC. Not designed for high school certification purposes. Survey techniques and materials unique to science, grades 5-9.

SCE 4330 Teaching Methods in the Secondary School - Sciences (3) ED EDE
PR: Completion of 26 hours in approved science areas, EDG 4620 or CP, and CC. Techniques and materials of instruction in secondary school sciences.

SCE 4938 Senior Seminar in Science Education (1-2) ED EDE
PR: Senior standing. CP. SCE 4940. Synthesis of teacher candidate's courses in complete college program.

SCE 4940 Internship: Science Education (1-12) ED EDE
CP: SCE 4936. One full semester of internship in a public or private school.

SCE 5937 Selected Topics in Science Education (1-4) ED EDE

SDS 4040 Introduction to Student Personnel Work in Higher Education (2) ED EDG
PR: DPR. Study of student personnel services in institutions of higher education. Identification of the needs of students and of the ways to respond to meet these needs. Survey of service units on a campus in terms of organization, functions, and development.

SLS 1101 The University Experience (2) ED EDG
PR: Freshman only. An extended introduction to USF. Topics include purpose of higher education, structure and functions of USF, career planning, selecting a major, study skills, managing time, academic advising, computer resources, and decision-making.

SLS 2261 Leadership Fundamentals (3) US STL
Covers a broad range of leadership topics from self-development and understanding of self, to group behavior, organizational design, ethics and teamwork. The potential of every individual to develop effective leadership skills is examined.

SLS 2401 Career Development Process (2) US STL
Students will study vocational choice theories and participate in career decision processes. Development of self-awareness and knowledge of career opportunities and requirements necessary for decision making. Available to lower level majors or non-majors.

SLS 3140 Survey of Leadership Readings (3) US STL
PR: SLS 2261. Survey of historical and contemporary writings on leadership skills and practices. Examines the contextual manner in which those functions are exercised.

SLS 3948 Community Leadership Practicum (3) US STL
PR: SLS 2261, PR: SLS 3140. This course involves the transferability of leadership theories into practice. It provides a practical forum for students to examine and develop personal leadership skills.

SLS 4010 Theories of Leadership (3) US STL
PR: SLS 2261, PR: SLS 3140. Course focuses on historical and modern approaches to leadership. Designed to assist students in establishing a general understanding of leadership theories and styles as well as the effects of various leadership theories in specific settings.

SLS 4015 Images of Leadership in Print and Film (3) US STL
PR: SLS 2261, PR: SLS 3140. This course examines the historical development of leadership theory through contemporary times.
SOW 3101 Human Behavior and the Social Environment I (4) AS SOK
PR: All provisional major courses. Restricted to full Social Work majors, others by School permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals, families, and communities.

SOW 3203 The American Social Welfare System SS (3) AS SOK
A general education introductory course which provides students with a framework for understanding the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.

SOW 3302 Introduction to Social Work (3) AS SOK
An introductory course tracing the development of social work as a profession including an examination of the knowledge, skill and attitudinal base of the profession and professional roles and functions.

SOW 3401 Research and Statistics For Social Work (4) AS SOK
PR: All provisional major courses. Restricted to full Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with the statistical techniques and acumen required in the profession of Social Work; and to equip the student with the relevant knowledge and procedures necessary to conduct social work research.

SOW 4341 Multi-Methods of Social Work Practice I: Micro-System Intervention (5) AS SOK
PR: All provisional major courses, SOW 3101, SOW 3401, SOW 4341, SOW 4522, SOW 3401, SOW 4520, SOW 4343, CP: SOW 4510, SOW 4510L. Restricted to full Social Work majors, others by School permission. Advanced policy course taking an analytical approach to contemporary social policy issues and current social welfare programs.

SOW 4343 Multi-Methods of Social Work Practice II: Macro-System Intervention (3) AS SOK
PR: All provisional major courses, SOW 3101, SOW 4522, SOW 4341, must be taken as PR. CP: SOW 3401, and SOW 3102. Restricted to full Social Work majors, others by School permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 4341. Course includes both didactic and experiential learning components.

SOW 4510 Integrative Seminar (3) AS SOK
PR: SOW 3302, SOW 3203, SOW 3401, SOW 4341, SOW 3102, CP: SOW 4233, CO: SOW 4510L, SOW 4343, SOW 4522. Restricted to full Social Work majors in senior year. Integrates content and theory from all classes. With practice experiences students are having in field placement.

SOW 4510L Field Placement (6) AS SOK
PR: SOW 3302, SOW 3203, SOW 3401, SOW 4341, SOW 3102, SOW 4522, CP: SOW 4233, SOW 4343, CO: SOW 4510L only. Supervised field placement in a social welfare organization consisting of 32 hours per week in the field with a total of 480 clock hours per semester.

SOW 4522 Senior Seminar: Multicultural America (3) AS SOK
PR: SOW 3203, SOW 3302, CP: SOW 3101, SOW 4341. The course focuses on the students’ understanding of multicultural and intergenerational issues.

SOW 4900 Directed Readings (1-9) AS SOK
PR: Completion of four social work courses including SOW 3401, upper level standing, and School permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed.

SOW 4910 Directed Research (1-6) AS SOK
PR: Completion of four social work courses including SOW 3401, upper level standing and School permission. Majors only. Directed Research is intended to provide students with research experience in areas of specific interest in social work. A contract will be developed between student and instructor specifying nature of work to be completed.

SOW 4930 Variable Topics in Social Work (1-3) AS SOK
Restricted to Social Work majors; others by School permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student's educational interest.

SOW 5930C Selected Topics in Social Work (1-4) AS SOK
PR: CC, Restricted to Social Work majors, both graduate and undergraduate; other by School permission. Course is taken as an elective. Various title course will selectively expand specific social work content areas.

SPA 3002 Introduction to Disorders of Speech and Language SS (3) AS CSD
PR: Junior standing and DPR. The scope of speech-language pathology as a profession and a field of study. An introduction to speech and language disorders, etiologies, major treatment approaches, and research findings.

SPA 3004 Intro to Language Development and Disorders (3) AS CSD
PR: SPA 3002, SPA 3112 or DPR. This course introduces theoretical concepts and research findings concerning the normal developmental process of language learning as a basis for differentiating developmental delay or disorder of language.

SPA 3011 Introduction to Speech Science (3) AS CSD
PR: SPA 3030, SPA 3011 and SPA 3112. Concentrated study of the acoustic, physiological and perceptual aspects of sound as related to normal and pathological speech communication. Introduction to phonetic analysis and measurement procedures.

SPA 3030 Introduction to Hearing Science (3) AS CSD
PR: Junior standing, SPA 3011, SPA 3112, SPA 3310. Introduction to the field of hearing including; physics of sound, auditory anatomy and physiology, and hearing mechanisms.

SPA 3101 Anatomy and Physiology of the Speech and Hearing Mechanism (3) AS CSD
PR: Junior standing. The neurological and anatomical basis of communication disorders. The etiology, pathology, and management of disorders of the outer ear, middle ear, inner ear, retracochlear, and central auditory systems.

SPA 3112 Applied Phonetics in Communication Disorders (3) AS CSD
PR: Junior standing. Introduction to phonetic analysis of normal and disordered speech, including extensive training in transcription using the International Phonetic Alphabet.

SPA 3310 Introduction to Disorders of Hearing (3) AS CSD
PR: SPA 3300 and SPA 3112. The etiology, pathology, and management of disorders of the outer ear, middle ear, inner ear, retracochlear, and central auditory systems.
designed to offer additional practice using various instructional technologies.

SPN 1121 Beginning Spanish II (4) AS WLE
PR: SPN 1120 or equivalent. CP: SPN 1121L. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehensions, speaking and writing of Spanish.

SPN 1121L Beginning Spanish II Laboratory (1) AS WLE
CP: SPN 1121. Concurrent enrollment with a lecture session is required, and if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

SPN 1130 Accelerated Spanish For Near-Native Speakers and Others (1-6) AS WLE
PR: CI. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.

SPN 2200 Spanish III (3) AS WLE
PR: SPN 1121 or equivalent. May NOT be taken concurrently with SPN 2201. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2201 Spanish IV (3) AS WLE
PR: SPN 2200 or equivalent. May NOT be taken concurrently with SPN 2200. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2240 Conversation I (3) AS WLE
PR: SPN 2211. Not open to native or near-native speakers of Spanish. Focus on development of basic conversational skills.

SPN 2241 Conversation II (3) AS WLE
PR: SPN 2240 or equivalent. Not open to native or near-native speakers of Spanish. To improve fluency in spoken Spanish.

SPN 2270 Overseas Study (1-6) AS WLE
PR: SPN 2211. Prior departmental approval and early registration are required. An intensive study-travel program in a Spanish-speaking country.

SPN 3300 Composition (3) AS WLE
PR: SPN 2200-SPN 2201. Not open to native or near-native speakers of Spanish. A study of syntax, grammar and writing.

SPN 3340 Advanced Spanish for Native Speakers I (3) AS WLE
PR: Native and near-native oral/aural proficiency. May not count as Spanish major elective. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on grammatical problems affecting such speakers. Texts and discussions in Spanish. This is primarily a discussion type of course, open to all majors and minors.

SPN 3341 Advanced Spanish for Native Speakers II (3) AS WLE
PR: SPN 3340. May not count as Spanish major elective. Continuation of SPN 3340 course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on those aspects of written expression such as style and syntax which are problematic for such speakers. Texts and discussions in Spanish. This is primarily a discussion course, open to all majors and minors.

SPN 3440 Spanish For Business (3) AS WLE
PR: SPN 2201 or equivalent. An introduction to the Spanish language as used in undertaking ordinary business transactions.

SPN 3441 Advanced Spanish for Business Writing (3) AS WLE
PR: SPN 3440 or equivalent. Open to Spanish and Business majors and minors. Continuation of SPN 3440. Advanced business communication in Spanish through discussion, reading, and writing of representative texts from Spain, Mexico, and the Spanish-speaking Caribbean. Emphasis on business forms and composition of proposals, reports, records, and the language of advertisement. Texts and discussions in Spanish. This is a discussion course, open to Spanish and Business majors and minors.

SPN 3500 Spanish Civilization (3) AS WLE
PR: SPN 1121. The culture and civilization of Spain.

SPN 3520 Spanish American Civilization (3) AS WLE
Readings and discussions on the culture and civilization of Spanish American cultures.

SPN 4301 Expository Writing (3) AS WLE
PR: SPN 3300. Not open to native or near-native speakers of Spanish. Practical training in contemporary Spanish structure, usage and stylistic devices.

SPN 4410 Advanced Conversation (3) AS WLE
PR: SPN 2241 or equivalent. Not open to native or near-native speakers of Spanish. Intensive practice in the formulation and expression of ideas in standard Spanish.

SPN 4470 Advanced Overseas Study (1-6) AS WLE

SPN 4700 Spanish Linguistics (3) AS WLE
PR: LIN 3010 or equivalent (may be taken concurrently with CI) and SPN 2201 or equivalent. An introduction to Hispanic linguistics: Phonology, morphology, syntax, and lexicography.

SPN 5525 Modern Spanish American Civilization (3) AS WLE
PR: SPN 3520 or equivalent or graduate standing. Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends. Texts and discussion in Spanish.

SPN 5567 Modern Spanish Civilization (3) AS WLE
PR: SPN 3500 or equivalent or graduate standing. Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and political trends. Texts and discussions in Spanish.

SPN 5724 Women Writers of Latin America AF (3) AS WLE
Literature of Latin-American women (in translation). Topics related to race and ethnicity, values and ethics, social, economic, and political issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels. (May also be taken in Women's Studies.)

SPW 3030 Introduction to Hispanic Literature (3) AS WLE
PR: SPN 2201 or equivalent. Prose fiction, drama, poetry, and essay; techniques of literary criticism.

SPW 4100 Survey of Spanish Literature I (3) AS WLE
PR: SPW 3030 or equivalent. A study of Spanish literature from its origins through the 17th century.

SPW 4101 Survey of Spanish Literature II (3) AS WLE
PR: SPW 3030 or equivalent. A study of the later periods of Spanish literature.

SPW 4131 Survey of Spanish-American Literature (3) AS WLE
PR: SPW 3030 or equivalent. An introduction to the study of Spanish-American literature from the Modernism period to the present. Emphasis on modern writers since 1990.

SPW 4900 Directed Study (1-3) AS WLE
Departmental approval required.

SPW 4930 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

SPW 5135 Colonial Spanish American Literature (3) AS WLE
PR: SPW 4131. Introduction to Colonial Spanish American Literature from the discovery through the Romantic Period.

SPW 5355 Spanish American Drama and Poetry (3) AS WLE
PR: SPW 4131. Major writers of all genres. Emphasis on modern writers.

SPW 5387 Spanish American Prose (3) AS WLE
PR: SPW 4131. Emphasis on the gauchito theme and contemporary prose fiction.

SPW 5388 Golden Age Poetry and Drama (3) AS WLE
PR: SPW 4100. Lope de Vega, Alarcon, Tirso, Calderon, and others.

SPW 5405 Medieval Literature (3) AS WLE
PR: SPW 4100 or equiv. Course gives an in-depth study of principal works and authors of the period such as El Poema de Mio Cid, Libro de Buen Amor, and La Celestina.

SPW 5465 19th Century Literature (3) AS WLE

SPW 5605 Cervantes (3) AS WLE
Cervantes' masterpiece, Don Quijote de la Mancha.

SPW 5725 Generation of 1898 (3) AS WLE
PR: SPW 4101. The major figures of the period and their main followers.

SPW 5726 Vanguard Literature 1918 and 1936 (3) AS WLE

SPW 5934 Selected Topics (3) AS WLE

SSE 4313 Teaching Elementary Grades Social Studies (3) ED EDE
PR: Admission to College of Education or CI. This course is designed to teach techniques to pre-service teachers for grades K-9. For pre-service and non-major students. For pre-service and non-major students, introduced to the social sciences by social studies teachers that are effective in motivating elementary school aged youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present a instructional plan(s) demonstrating use of various methods, techniques, and materials that achieve concrete outcomes. Theoretical foundations of social studies are also examined.
SSE 4333 Teaching Middle Grades Social Science (3) ED EDW
This course is designed to study techniques and strategies employed by social sciences teachers that are effective in motivating teenage youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present instructional plan(s) demonstrating use of various methods, techniques, and material that achieve concrete outcomes. Theoretical foundations of social studies are also studied. Field work is required.

SSE 4334 Teaching Secondary Grades Social Science (3) ED EDW
PR: SSE 4333. This course is a continuation of SSE 4333 with further development of the instructional techniques and strategies and the information, skills, and modes of reasoning unique to the social sciences with an emphasis on the secondary school environment. The teaching profession, school settings, legal, and classroom management issues are also studied. Fieldwork in a high school is required.

SSE 4380 Global And Multicultural Perspectives in Education MW (3) ED EDW
PR: EDG 3504 and EDG 4620, or DPR. Examination of the major issues surrounding global and multicultural perspectives in education. Available to non-education majors.

SSE 4936 Senior Seminar in Social Science Education (2) ED EDW
PR: Senior standing; CP: SSE 4940. Synthesis of teacher candidate's courses and preparation for the professional interview and application process.

SSE 4940 Internship: Social Science Education (1-12) ED EDW
CP: SSE 4936. SU only. One full semester of internship in a public or private school. In special programs where the internship experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 Semester hours.

SSE 5644 Economic Decision-Making for Teachers (3) ED EDW
PR: Admission to College of Education or DPR. Provides teachers (K-12) with content related to the operation of businesses in a market economy. Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 economic decision making.

STA 1022 Basic Statistics 6A QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. No credit for Mathematics majors. Descriptive statistics, basic probability principles, discrete and continuous probability distributions: binomial, Poisson, uniform, normal, t, chi-square and F. Estimation, confidence limits, hypothesis testing, correlation analysis and linear regression. Emphasis on applications to social sciences, life sciences, physical sciences, engineering and business.

STA 2122 Social Science Statistics 6A QM (3) AS ISS
Descriptive and inferential statistics - through ANOVA, correlation-regression, chi-square and non-parametrics. The course presents statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and hypothesis from a wide range of disciplines.

STA 3024 Introductory Statistics II 6A (3) AS MTH
PR: STA 2023 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin squares, Split Plots, incomplete designs, distribution free methods.

STA 4321 Introduction to Statistics 6A (3) AS MTH

STA 4442 Introduction to Probability 6A (3) AS MTH
PR: MAC 2313. Introduction to probability theory using calculus. Basic ideas of probability and random variables, discrete probability functions, continuous probability densities, joint distributions, transformations of random variables, moments and generating functions of random variables, limit theorems.

STA 5165 Computational Statistics I (3) AS MTH
PR: STA 4321 and CGS 3422, or CI. Statistical analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on interaction between statistical theory, numerical methods, and analysis of real life data.

STA 5288 Sampling Techniques (3) AS MTH

STA 5326 Mathematical Statistics (3) AS MTH
PR: STA 5446. Sample distribution theory, point & interval estimation, optimality theory, statistical decision theory, and hypothesis testing.

STA 5345 Probability Theory (3) AS MTH
PR: STA 4442 and MAA 4212 or CI. Axioms of probability, random variables in Euclidean spaces, moments and moment generating functions, modes of convergence, limit theory for sums of independent random variables.

STA 5356 Non-Parametric Statistics (3) AS MTH
PR: STA 5326 or CC. Theory and methods of non-parametric statistics, order statistics, tolerance regions, and their applications.

SUN 3101C Engineering Land Surveying (3) EN EGX
Principles of land surveying; mathematical and/or field practice. Traverses, levels, boundary surveys, route surveys, coordinate geometry, and mapping.

SYA 3015 Classical Theory (3) AS SOC
PR: SYG 2000 or CI. The analysis of the philosophical foundations, central principles, and historical development of Sociological theory. Required for Sociology majors and minors.

SYA 3815 Contemporary Theory (3) AS SOC
PR: SYA 3010 and SYG 2000 or CI. An examination of recent trends in sociological theory. Emphasis is on theories examining symbolic interactions, lived experience, popular culture, and social structures.

SYA 3820 Constructing Social Problems (3) AS SOC
Examination of how activists, media, politicians, and scientists construct public images of social problems; analysis of the process of shaping social policy and how public images of social problems shape the characteristics of social science agencies.

SYA 3300 Research Methods (3) AS SOC
PR: STA 2122 or equivalent. Introduction to the scientific method and its application to social science research. Research design, sampling techniques, and critical evaluation of social research. Required for Sociology majors.

SYA 3310 Qualitative Inquiry 6A LW (4) AS SOC
PR: SYG 2000 or CI. DPR. Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives.

SYA 4910 Individual Research (1-3) AS SOC
PR: Four courses in sociology, including SYA 3300, upper level standing, at least 3.0 overall GPA, or CI. DPR. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration.

SYA 4930 Topics in Sociology (3) AS SOC
Selected specialized topics in Sociology. Topics such as AIDS in sociology, drugs in society, juvenile delinquency, sociology of childhood, public life, socio-biology. Content will vary by semester and by section. See class schedule for specific contents each semester. This course, in different content areas, may be repeated for up to 6 credits.

SYA 4935 Senior Seminar MW (3) AS SOC
PR: Senior standing, SYG 2000, SYA 3010, SYA 3300 plus 6 hours of Sociology electives. Majors only. DPR. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of relevance in today's society. Topic changes by instructor.

SYA 4949 Sociological Internship (1-6) AS SOC
PR: Senior or graduate standing in Sociology plus CI. Supervised placement in community organization or agency for a minimum of 100 hours of volunteer work per week, and a weekly seminar on applying sociological skills and methods in the placement setting.
SYD 3441 Peasant Perspectives AF (3) AS SOC
PR: SYG 2000 or 6 hours of Social Sciences Gen. Ed. coursework or CI. Examines the applicability of sociological concepts to peasant life around the world, and explores the roles played by "western" societies in creating and sustaining the conditions under which peasants live.

SYD 3700 Racial and Ethnic Relations SS HP (3) AS SOC
Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4410 Urban Sociology (3) AS SOC
The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4800 Gender and Society (3) AS SOC
Historical and current issues surrounding gender in America. Emphasis on exploring the causes, meaning, and consequences of gender differences, interpersonal relationships, and institutional participation.

SYD 2000 Introduction to Sociology SS (3) AS SOC
An introduction to sociological perspectives and methods and the basic areas of sociological interests such as socialization, gender, race and ethnic relations, deviance, social control, and social stratification. Required for Sociology majors and minors.

SYD 2010 Contemporary Social Problems SS (3) AS SOC
The analysis of social causes and dimensions of major public issues such as crime, the environment, inequality, gender, employment, and substance use.

SYD 2412 Marriage (3) AS SOC
Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count toward Sociology major.

SYD 3235 Latina Lives (3) AS SOC
An exploration of the experiences of Latinas in the United States. Uncover and examine such sociological themes as oppression, migration, work, family, activism, spirituality, and sexuality through short stories, poetry, and scholarly research.

SYD 3120 Sociology of Families (3) AS SOC
With a goal to understand American families in the present, this course will examine various types of family structures, family life, and the changing family's role in modern society.

SYD 3200 Sociology of Religion (3) AS SOC
PR: SYG 2000 or CI. An examination of the meanings of religion lived in experiences in the contemporary United States. Includes the construction and maintenance of religious meanings and communities, the impact of those meanings and communities on daily lives, and the use of religious discourse in daily lives, social movements motivated by religious beliefs.

SYD 3800 Social Organization (6) AS SOC
PR: SYG 2000 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYD 3400 Poverty, Inequality, and Stratification (3) AS SOC
Introduction to one of the most common features of modern society, social inequality. A survey of perspectives to explain the causes of inequality and reasons for its persistence.

SYO 4300 Political Sociology (3) AS SOC
PR: SYG 2000 or CI. An examination of the social factors that affect government, politics, and political behavior.

SYO 4370 Occupations and Professions (3) AS SOC
PR: SYG 2000 or CI. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on the process of professionalizing service occupations like police work, business management, public administration, and social work.

SYO 4400 Medical Sociology (3) AS SOC
PR: SYG 2000 or CI. The study of disease and the sick person including the analysis of health practices, beliefs, and practitioners, the hospital as an organization, the cost, financing, and politics of health care.

SYO 4430 Disability and Society MW (3) AS SOC
PR: SYG 2000 or CI. Examination of the applicability of sociological concepts to the experience of disability and the role of disability as a means to a better understanding of the nature of social experience.

SYP 3000 Social Psychology SS (3) AS SOC
An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.

SYP 3060 Sociology of Sexualities (3) AS SOC
Explores the interactions, among and between people, and people and institutions that form the boundaries through which sexualities are understood in the United States. Addresses interactions with and within medical and religious institutions, racial/ethnic cultures, families and popular views of others. Social Sciences Gen. Ed. coursework or CI. Examines the applicability of sociological concepts to sexual and gender identity and expression, the process of help-seeking, and social interventions for offenders and victims. Open to nonmajors.

SYP 4420 Consumer Culture 6A MW LW (3) AS SOC
PR: SYG 2000 or CI. The exploration of how consumers’ purchasing behavior connects to larger historical shifts in our economy, including disenchantment, alienation, inequality, and the rise of the credit card society.

SYP 4510 Sociological Aspects of Deviance (3) AS SOC
The examination of the social construction of deviance: how deviance is defined, implications of deviance designations. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.

SYP 4530 Sociology of Juvenile Delinquency (3) AS SOC
Sociological issues in defining delinquency; the nature of adolescence and delinquency; sociological theories of the causes of delinquency; types and consequences of social control applied to delinquents.

SYP 4540 Leisure in Society (3) AS SOC
PR: SYG 2000 or CI. Sociological examination of leisure in the United States and other countries. Topics include changing leisure time patterns, relationships between leisure and work, personality, family, community, subcultures, religion, and social class.

SYP 4850 Sport in Society (3) AS SOC
PR: SYG 2000 or CI. Examination of both the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social institutions, economic considerations, mass media, and the sport group as a micro-social system.


TAX 4501 Federal Taxation of Business Entities (3) BA ACC PR: TAX 4001. Tax issues encountered by small businesses. Includes tax planning, capital formation and preservation, tax compliance and tax alternatives.

THE 2020 Introduction to Theatre (3) FA TAR
An introduction to the art of theatre as part of the larger context of the nature of art itself. The approach will be both chronological and multi-cultural. Required of all theatre majors.

THE 2305 Script Analysis (3) FA TAR
PR: TPP 2020. This course teaches students the techniques of close reading of dramatic texts.

THE 3090C Mice and Men 6A (4) FA TAR
Initial readings and exercises in theatre; play analysis, performance, and technical theatre for non-theatre majors.

THE 3110 Theatre History I MW (3) FA TAR
PR: THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally fifteen plays will be read. Required of all theatre majors. Open to upper division non-majors.

THE 3111 Theatre History II MW (3) FA TAR
PR: THE 2020. A study of Theatre History in more detail as a companion to Theatre History I. This course and the companion Theatre History I will offer the opportunity for more careful study and emphasis on particular aspects of cross-cultural theatre in context.

THE 4180 Theatre Origins 6A MW LW (3) FA TAR

THE 4264 History Of Costume (3) FA TAR
Open to upper level non-majors with CI. A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences. (A requirement in the design track/costume.)

THE 4266 Architecture And Decor (3) FA TAR
Open to upper level non-majors with CI. A survey of architecture and furniture from ancient Egypt to the 20th Century. (A requirement in the design track/scenec.)

THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200) 6A MW LW (3) FA TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. An investigation into the interrelationship of myth, ritual, and theatre.
Considered northern European liturgical and secular plays as compared with Chinese, and Japanese drama.

THE 4330 Shakespeare For The Theatre 6A MW LW (3) FA TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A project study of selected plays with special emphasis on their performance values.

THE 4360 The 19th Century Theatre Revolution 6A LW (3) FA TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity.

THE 4401 O'Neill And After 6A MW LW (3) FA TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A course in the function of the script for the theatre artist treating materials in the American Theatre from 1915 to 1964.

THE 4434 Caribbean Theatre 6A MW LW (3) FA TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. This course is a study of plays and popular theatrical forms of the Caribbean. The student will investigate the social and political forces that shape the culture of the Caribbean, the residual effects of the colonialism and the turbulence of independence as expressed in the dramatic art and theatre of the English-speaking West Indies.

THE 4435 Theatre Of Pluralism 6A MW LW (3) FA TAR
PR: CI, Open to upper level non-majors with CI. The practice of theatre as it reflects cultural heritage, gender, race and sexual orientation. Study of contemporary scripts, critical and artistic statements.

THE 4480 Contemporary Performance Theory 6A MW LW (3) FA TAR

THE 4593 Honors Seminar 2 (2) FA TAR
Enrollment limited to upper level majors who have been formally admitted to the department honors program. Not available S/U. Readings in the literature, history, and theory of the stage in preparation for Theatre Honors Practicum. Past topics have included New German Theatre, Popular Theatre, New American Theatre.

THE 4594 Honors Practicum 2 (2) FA TAR
PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or production with guest artists. Past artists have included the Free Theatre of Munich, the San Francisco Mime Troupe, playwrights Eric Overmeyer, Jeff Jones and Gary Hill.

THE 4595 Honors Thesis 1 (1-3) FA TAR
PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee.

THE 4761 Drama in Elementary School 3 FA EDD
Methods of using theatre and drama activities in elementary school, including use of drama and theatre arts for interdisciplinary, integrated projects. Available to majors and non-majors, no extra laboratory sections.

THE 4761 Methods of Teaching Theatre for Adolescents 3 FA EDD
Methods of effective drama and theatre instruction in middle school, junior and high schools, recreation centers, community, and professional theatres.

THE 4905 Directed Studies 1 (1-4) FA TAR
Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

THE 4930 Selected Topics in Theatre 1 (1-8) FA TAR
PR: CI, Open to upper level non-majors. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion or studio format.

THE 5909 Directed Studies 1 (1-8) FA TAR
PR: CI and CC. Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

THE 5931 Selected Topics in Theatre 1 (1-8) FA TAR
PR: CI, Open to upper level non-majors. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion or studio format.

TAP 2200 Introduction to Technical Theatre I 3 (3) FA TAR
CP: TPA 2290L or CI. An introductory course in technical production including coursework in two areas from scenic construction, stage lighting, costume construction, sound, and theatre production/organization. Required for Theatre majors. Requires sequential semester enrollment with TPA 2211 and TPA 2291L. Open to non-majors.

TAP 2211 Introduction to Technical Theatre II 3 (3) FA TAR
CP: TPA 2291L or CI. An introductory course in technical production including scenic construction, stage lighting, costume construction, sound, and theatre organization. Required for Theatre majors. Requires sequential semester enrollment with TPA 2200 and TPA 2290. Open to non-majors.

TAP 2220 Workshop In Stage Makeup 1 (1) FA TAR
Beginning theory and practice in make-up for the stage. Open to non-majors. Theatre majors given preference. A studio course.

TAP 2290L Technical Theatre Lab I 1 (1) FA TAR
CP: TPA 2290 or CI. A practical laboratory involving the pre-performance preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TAP 2291L Technical Theatre Lab II 1 (1) FA TAR
CP: TPA 2211 or CI. A practical laboratory involving the pre-performance preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TAP 2292 Production Involvement I 1 (1) FA TAR
PR: TPA 2200, TPA 2290L, TPA 2211, TPA 2291L or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the students completion of a PI request form, available in the Theatre Office, and enrollment in this course.

TAP 3007 Introduction to Design I 3 (3) FA TAR
PR: TPA 2200, TPA 2211, TPA 2290L, and TPA 2291L. Open to non-majors. This course will include lectures, demonstrations, field trips, individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization.

TAP 3008 Introduction to Design II 3 (3) FA TAR
PR: TPA 3007. This course will include lectures, demonstrations, field trips(s), individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization. Open to non-majors.

TAP 3208 Drafting and CAD I 3 (3) FA TAR
PR: TPA 2200, TPA 2211, TPA 2290L and TPA 2291L. The course will include lectures, demonstrations, field trips(s), individual student presentations, and studio activities. The course work will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical drawings. Required of all Design Track Theatre majors. Open to non-majors.

TAP 3211 Lighting: Theory And Practice 3 (3) FA TAR
PR: TPA 3208 or CI. Intermediate lighting design course concerned with graphic presentations, color theory, design concepts, and practical experience with computer lighting systems. A requirement in the design track/lighting emphasis.

TAP 3231 Costume Construction 3 (3) FA TAR
PR: TPA 3208 or CI. A practical course in the drafting of patterns for costume the actor. Materials, skills, and techniques for construction of costumes and costume accessories will be treated. Included topics are millinery, footwear, jewelry, masks, armor, costumes, both period and modern.

TAP 3251 Drafting and CAD II 3 (3) FA TAR
PR: TPA 3208. Continuation of TPA 3208. The course will include lectures, demonstrations, field trips(s), individual student presentations, and studio activities. The course work will provide an opportunity to develop your skills and techniques in the visual presentation of various design and technical drawings. Open to non-majors.

TAP 3265 Sound For The Stage 3 (3) FA TAR
PR: TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors with CI. Basic study of audio components, fundamental
properties of sound, multiple channel recording, editing, reproduction and reinforcement. Methods and techniques used in theatre to create sound effects.

TPA 3296 Design Practicum (2) FA TAR
PR: TPA 3008. This is a studio/laboratory course in the practical aspects of production. The course is intended to provide the students with an understanding of the various aspects of design in theatre as a means for understanding the design and production process.

TPA 3601 Stage Management (2) FA TAR
PR: TPA 2200, TPA 2200L, and TPA 2291L. Open to non-majors with CI. A practical course in the working organization of the stage manager in theatre, dance, opera, and other live performance situations.

TPA 3840 Puppetry Performance And Production (4) FA TAR
PR: TPA 2200, TPA 2200L, and TPA 2291L. Open to non-majors with CI. The creation, building, rehearsal, and performance of plays for puppet theatre.

TPA 4011 Design Studio I (3) FA TAR
PR: TPA 3008 and TPA 3208 plus two of TPA 3231, TPA 3221, or TPA 3251. TPA 4011 will include study of design project activities in the various stages of design, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved in the development of design from the first meeting to the final performance.

TPA 4012 Design Studio II (3) FA TAR
PR: TPA 4011. This course will include student design project activities in the areas of costume, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved in the development of design from the first meeting to the final performance.

TPA 4077 Scene Painting (2) FA TAR
PR: TPA 3077. Open to upper level non-majors with CI. A practical course in the painting of stage scenery, media and application.

TPA 4273 Stage Properties: Techniques And Materials Studio (2) FA TAR
PR: TPA 3077. Open to upper level non-majors with CI. Demonstration of and experience with materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop.

TPA 4293 Production Involvement II (1) FA TAR
PR: TPA 2292 or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the student's completion of the course in the Theatre Office, and enrollment in this course.

TPA 4298 Advanced Design Practicum (3) FA TAR
PR: TPA 4011. This is a studio/laboratory course in the practical aspects of production. The course is intended to provide the students with an understanding of the various aspects of design in theatre as a means for understanding the design and production process.

TPP 2100 Voice-Body-Improvisation (3) FA TAR
Exploring the elements of acting skills, a participation course. Required of all theatre majors. Open to non-majors.

TPP 2190 Studio Theatre Performance I (1) FA TAR
<course PR: TPP 2100, THE 2020. A practical laboratory involving the rehearsal and performance of major productions. Activities may include acting, directing, stage management, and the activities of the performance production crew. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 2500 Body Disciplines (2) FA TAR
PR: TPP 2110. A laboratory course in various disciplines or systems and understanding the body's motivators, powers, and focus on their use for the stage performer.

TPP 3121 Improvisation I (3) FA TAR
PR: TPP 2110. An introduction to improvisation as an enhancement of the actor's skill. Exercises and theatre games as flexible forms which accommodate improvisation and physical invention are examined and used to develop group creativity.

TPP 3128 Scene Study I (1) FA TAR
PR: Audition and all core 2000 level courses. Identify and investigate the fundamental elements of acting as applied to scene exploration, rehearsal, and presentation.

TPP 3230 Laboratory Workshop In Performance (3) FA TAR
PR: Audition and TPP 2110. May be repeated twice for a total of 9 hours credit. Open to upper level non-majors by audition only. The content of the course will be governed by student demand and instructor interest.

TPP 3580 Special Skills In Movement (2) FA TAR
PR: TPP 2110 or CI. May be repeated for credit. Open to upper level non-majors with CI. Stage combat, circus and acrobatic techniques, and other special techniques of movement.

TPP 3790 Voice Preparation For The Actor (3) FA TAR
PR: TPP 2110. A concentrated laboratory on freeing the breathing function, developing body and oral resonance, and strengthening the voice. The course will use the theatre of speech sounds. An emphasis is placed on the integration of body, voice, mind and emotions. This course will be taught by the Performance faculty.

TPP 3920 Acting Studio I (8) FA TAR
PR: TPP 3920. A continuation of Acting Studio I with greater emphasis on addressing individual needs in order to explore emotionally complex characters and scenes in an intensive and systematic way. This course will be taught by the Performance faculty.

TPP 4140 Styles Of Acting (3) FA TAR
PR: TPP 3155 plus audition or TPP 3921. Examination of the actor's craft and skills needed to fulfill the demands of classical theatre forms.

TPP 4180 Advanced Scene Study (3) FA TAR
PR: TPP 3920. An acting workshop focusing on application of character development and rehearsal techniques over a sustained period leading toward a project showing at semester's end.

TPP 4193 Studio Theatre Performance II (1) FA TAR
PR: TPP 2190. A practical laboratory involving the rehearsal and performance of a major production. Activities may include acting, directing, stage management, and the activities of the performance production crew. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 4220 Audition Workshop for Actors (2) FA TAR
PR: TPP 3155 or TPP 3921. Preparation for professional audition; discussion of professional objectives.

TPP 4298 Advanced Design Practicum (3) FA TAR
PR: TPA 4011. This is a laboratory course in the practical aspects of production. The course is intended to provide the students with an understanding of the various aspects of design in theatre as a means for understanding the design and production process.

TPP 4310 Directing I (3) FA TAR
PR: TPP 3155 or TPP 3920. An elective sequence in directing. A workshop course in which the student first encounters the basic skills of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of settings and finally proceeds to the short play or theatre pieces.

TPP 4311 Directing II (3) FA TAR
PR: TPP 4310 and CI. An elective sequence in directing. A workshop course in which the student first encounters the basic skills of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of settings and finally proceeds to the short play or theatre pieces.

TPP 4600 Writing For The Theatre (3) FA TAR
PR: TPP 3110 or THE 3111. An elective sequence in writing, in which the student first encounters the problems unique to dramatic
language and situation, then progresses to complexities of character, plot and stage dynamics. Our ultimate aim would be to complete several performance-worthy self-contained scenes.

TPP 4920 Senior Workshop For Actors (3) FA TAR
PR: TPP 2500, TPP 3790, TPP 3155, or TPP 3921. A workshop in advanced stage production techniques, performance, and the production of physical and vocal movement.

TPP 4923 Music Theatre Workshop (3) FA TAR
PR: TPP 2110 and audition. Open to non-majors by audition only. Exploration of Musical Theatre materials and performance techniques for the performer. Individual and ensemble work.

TSL 4374 Methodology of Teaching English Overseas (3) AS WLE
PR: Upper-level standing. Designed to introduce and prepare the elements in the various facets of teaching English as a foreign language in the overseas setting. It will include aspects of teaching verbal skills and comprehension as well as writing. It involves a practicum at the English Language Institute on campus.

TSL 5321 ESOL Strategies for Content Area Teachers (3) AS WLE
Course designed for public school teachers working with limited English Proficient (foreign) students in the classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers.

TSL 5371 Methods of Teaching English As A Second Language (3) AS WLE
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5372 ESOL Curriculum and Instruction (3) AS WLE
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5471 Language Testing (3) AS WLE
PR: TSL 5371. Lecture course on testing English as a second/foreign language.

TSL 5525 Cross-Cultural Issues in ESL (3) AS WLE
PR: LIN 5700. Lecture course on cultural issues in Teaching English as a Second/Foreign language.

TTE 4005 Transportation Engineering I (3) EN EGX
PR: EGR 3212. Principles of surface transportation system development, design, and operations; administration, modal characteristics, capacities, and functional classifications; vehicle kinematics, human factors and minimum design standards; traffic flow theory and queuing, capacity and signalization; transportation planning and economics.

TTE 4005 Transportation Engineering II (3) EN EGX
PR: TTE 4004. Techniques for the geometric design of surface transportation systems, horizontal and vertical alignments, spiral curves, superelevations and earthwork analysis; drainage, soils, and a rigid and flexible pavement design; right-of-way acquisition and Environmental Impacts; site layout & design, and operation of alternate models including bus, air, rail, water, and pipeline facilities and terminals.

TTE 4821 Transportation Systems Design (2) EN EGX
CR: TTE 4005. Comprehensive surface transportation design laboratory experience involving function design, traffic and facility sizing, complete alignments, site surveying & layout plan and quantity preparation with computerized designed applications.

TTE 5205 Traffic Systems Engineering (3) EN EGX
PR: TTE 4004 or equivalent. Traffic models, intersection analysis, capacity analysis, data methods collection, parking studies, volume and speed studies, freeway management, and advanced technologies.

TTE 5501 Transportation Planning and Economics (3) EN EGX
PR: College Algebra & CI. Fundamentals of urban transportation planning; trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation an choice of transportation alternatives.

URP 4050 City Planning and Community Development (3) AS POL
An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.

URP 4052 Urban Regional Planning (4) AS GYP
PR: GEO 3402, GEO 3602. The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

URP 3002 Introduction to Urban Studies (3) AS ISS
An interdisciplinary introduction to the process of urbanization in the United States and the diverse communities it has created. Study of the Tampa Bay region is emphasized.

VIC 3001 Introduction to Visual Communications (3) AS COM
PR: MMC 2100 and MMC 3602. The survey of visual communication theory, techniques, and their contemporary application and social influences as applied to the visual media with emphasis on still photography, motion picture, video, and graphic design.

VIC 3943 Visual Communication Practicum (1) AS COM
PR: Senior standing and CI. For visual communications sequence majors. S/U only. Practical experience outside the classroom where the student works for an agency under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

WST 2250 Female Experience in America (3) AS WST
The female experience in America, in historical context, with an emphasis on women in families of various classes, races, and ethnic groups from colonial times to 1870.

WST 2600 Human Sexual Behavior (3) AS WST
The dynamics of human sexuality; biological, constitutional, cultural, and psychological aspects. Range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially human sexuality.

WST 3015 Introduction to Women's Studies (3) AS WST
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3210 European Feminist History: Pre-18th Century (3) AS WST
Survey of European feminist history prior to the 18th century (focusing primarily on Western Europe). Examines women's lives, roles, ideas, as well as origins of Western attitudes toward relation of power to gender, race and class. No prerequisites.

WST 3220 Women in Western Civilization II (3) AS WST
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in Women's Studies.)

WST 3225 Women, Environment and Gender (3) AS WST
Course designed to provide students with a basic understanding of relationships between women's physical, health and occupational environments; consider the position of women regarding environmental issues; examine role that women can and do play in effecting environmental change; and analyze concepts related to ecofeminism.

WST 3311 Issues in Feminism (3) AS WST
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3440 Women and Social Action (3) AS WST
Course focuses on ordinary women working collectively in diverse social settings to empower themselves and others to challenge gender stereotypes; to reduce harassment, poverty, violence and homelessness; to enhance health-care and family life and to confront barriers in education, the media and the criminal justice system.

WST 4260 Research Issues on Women of Color (3) AS WST
An interdisciplinary introduction to the research process as it has been carried out on women of color nationally and internationally.

WST 4262 Literature by American Women of Color (3) AS WST
Will not be counted toward the English major. An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicanas/U.S. Latinas. Readings will include literature and contextual articles on historical and cultural issues.

WST 4310 Feminism in America (3) AS WST
A study of feminist critiques of American women's experiences and status, and their implications for women's lives, by 19th- and 20th-century theorists, and how adequately these various critiques address the intersections of gender, class, and race.

WST 4320 Woman's Body/Woman's Mind (3) AS WST
An analysis of the historical, social and political perspectives of women's health and healing experiences, and how women's roles as patient and provider of care are shaped by public and cultural assumptions.

WST 4335 Women and Film (4) AS WST
A study of representation of women in Hollywood films and the resistances of feminist film theorists and filmmakers working in documentary, experimental and narrative modes.

WST 4350 Women and Science (3) AS WST
An examination of selected issues related to women and the natural and physical sciences including: historical participation of women in science, current status of women in science, and feminist critiques of science as a discipline.
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B.A., M.A., Ph.D. - University of South Florida, 1990
HARRISON, MARTHA M., Assistant Professor (Childhood Education), 1995
B.S., M.S. - University of Memphis, 1992
HARRISON, SUDI S., Assistant in (Child & Family Studies), 2000
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B.S., M.L.S. - University of Alabama, 1993
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HASSELL, JOHN R., Professor (Biochemistry), 1997
D. University of Connecticut, 1977
HASSOLD, CRIS, Professor (Humanities - New College), 1975
B.A., M.A., Ph.D. - Florida State University, 1972
Hatcher, John S., Professor (English), 1968
B.A., M.A. - Ph.D., Indiana University, 1978
HATTON, DONALD S., Associate in (School of Music), 1999
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HAUSER, ROBERT A., Associate Professor (Neurology), 1989
B.A., M.D. - Temple University, 1982
HAWKINS, ANN E., Associate Professor (Music Arts), 1969
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