ACCENT ON LEARNING
UNDERGRADUATE CATALOG
OF THE
UNIVERSITY OF
SOUTH FLORIDA
2000-2001

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 each 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 1036, 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. to 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 directly at the telephone numbers shown.

Academic Advising (for Undeclared and Undecided Students)

Academic Advising, SVC 2011
http://www.usf.edu/advising/adv.htm
974-2645

Academic Advising (for upperclassmen)

Arts & Sciences, SOC 102
http://www.cas.usf.edu/
Business Admin., BSN 106
http://www.cobusf.edu/
Education, EDU 106
http://www.coed.usf.edu/
Engineering, ENC 100
http://www.eng.usf.edu/
Fine Arts, FAH 1210
http://www.art.usf.edu/
Nursing, MDN 1336
http://www.med.usf.edu/PUBAFF/hscnursing1.htm
Pre-Medical, CHE 306
974-2674

Academic Services for Students with Disabilities

Coordinator, SVC 1113
(voice) 974-4309
(TDD) 974-5651
http://www.usf.edu/ada/disability.htm

Adult and Transfer Student Services

Office of the Director, SVC 1201
http://www.mrt.usf.edu/enroll/atlas/
974-4444

Applications and Admissions

Office of Admissions, SVC 1036
http://www.mrt.usf.edu/enroll/admission.htm
bulleye@admin.usf.edu
New College
http://www.newcollege.usf.edu/
Office of Admissions (Sarasota)
http://www.mrt.usf.edu/enroll/admission.htm
974-2689
359-4029

Athletics (intercollegiate)

Director of Athletics, PED 214
974-2125

Bachelors of Independent Studies Program

External Degree Program, FAO 285
http://www.cas.usf.edu/bis/index.html
974-4098

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
974-2831
974-2171
http://www.career.usf.edu/

College Level Examination Program (CLEP tests)

Office of Evaluation and Testing Services, SVC 2054
http://satweb.usf.edu/grade/evaluast.htm/
974-2741

Community College and Transfer Students

Adult and Transfer Student Services, SVC 1001
http://www.mrt.usf.edu/enroll/atlas/
974-2644

Continuing Education Courses and Conferences

Continuing Education, MGZ 144
http://www.mrt.usf.edu/account/courses/
Division of Conferences and Institutes, MH116
http://www.conted.usf.edu/
http://www.conted.usf.edu/cpr107
974-3433

Counseling

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

Educational Outreach

Office of the Dean, MH 4116
http://www.outreach.usf.edu/
974-8057

Financial Assistance (scholarships, loans, employment)

Office of Financial Aid, SVC 1102
http://usfweb.usf.edu/financialaid/
974-4700

Graduate Studies

Office of the Dean, FAO 126
http://www.grad.usf.edu/
974-2846

Health Services (Student)

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

Honors Program - University-wide

Office of the Director, FAO 274
974-3087

Housing: Campus Residence Halls

Office of Residence Life, RAR 229
974-2761

Liberal Arts Services

Office of the Advisor, CTL 259
974-5102

Library Resources

Tampa Campus: Office of the Director of Libraries, LTB 207
(813) 974-2721
http://www.library.usf.edu/
St. Petersburg Campus: Office of the University Librarian
(813) 533-3401
http://www.nelson.usf.edu/
Sarasota Campus: Office of the Librarian
(941) 359-4300
http://www.sarasota.usf.edu/library/
Lakeland Campus: PCI/USF Library
(941) 297-1042

Minority Student Advising

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

Orientation

Office of the Director, SVC 1037
http://www.mrt.usf.edu/enroll/intention.htm
974-3060

Parking and Traffic Services

Parking Services, PBB 101
http://satweb.usf.edu/parking_services/
974-3990

Pre-Admission Advising for Prospective Freshman, International, Mature, Minority, and Transfer Students

Office of Admissions, SVC 1036
974-3350

Records, Registration

Office of the Registrar, SVC 1034
974-2000

Speakers Bureau

Mediarelations 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
974-2000

Tuition Waiver For Senior Citizens

Division of Lifelong Learning, MGZ 144
974-2403

Undergraduate Studies

Office of the Dean, SVC 2002
974-4051

University Experience Program

Office of the Coordinator, SVC 2014
http://www.usf.edu/uxperv النظر
974-4193

University Police

911
974-2628

Veterans Services

Office of Veterans Services, SVC 2127
http://usfweb.usf.edu/veservice/
974-2291
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of Degree Programs and Common Prerequisites</td>
<td>4</td>
</tr>
<tr>
<td>Academic Calendar</td>
<td>6</td>
</tr>
<tr>
<td>Accreditation and Degrees Offered</td>
<td>8</td>
</tr>
<tr>
<td>General Information</td>
<td>9</td>
</tr>
<tr>
<td>Admissions and Related Matters</td>
<td>12</td>
</tr>
<tr>
<td>Financial Information</td>
<td>20</td>
</tr>
<tr>
<td>Student Affairs and Student Services</td>
<td>24</td>
</tr>
<tr>
<td>Academic Policies and Procedures</td>
<td>36</td>
</tr>
<tr>
<td>Academic Programs and Services</td>
<td>57</td>
</tr>
<tr>
<td>College of Arts and Sciences</td>
<td>68</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>129</td>
</tr>
<tr>
<td>College of Education</td>
<td>137</td>
</tr>
<tr>
<td>College of Engineering</td>
<td>152</td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td>172</td>
</tr>
<tr>
<td>New College of USF</td>
<td>189</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>190</td>
</tr>
<tr>
<td>College of Public Health</td>
<td>195</td>
</tr>
<tr>
<td>Undergraduate Studies</td>
<td>196</td>
</tr>
<tr>
<td>General Course Information</td>
<td>198</td>
</tr>
<tr>
<td>Undergraduate Course Descriptions</td>
<td>204</td>
</tr>
<tr>
<td>Organization &amp; Personnel</td>
<td>258</td>
</tr>
<tr>
<td>Faculty</td>
<td>279</td>
</tr>
<tr>
<td>Index</td>
<td>311</td>
</tr>
</tbody>
</table>
# List of Degree Programs and Common Prerequisites

<table>
<thead>
<tr>
<th>Program</th>
<th>Common Prerequisites</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Studies [AS] - B.A.</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>American Studies [AS] - B.A.</td>
<td>92</td>
<td></td>
</tr>
<tr>
<td>Anthropology/Applied Anthropology [AS] - B.A.</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>Art [FA] - B.A.</td>
<td>218</td>
<td></td>
</tr>
<tr>
<td>Art Education [FA] - B.A./B.S.</td>
<td>219</td>
<td></td>
</tr>
<tr>
<td>Behavior Disorders [ED] - B.A./B.S.</td>
<td>181</td>
<td></td>
</tr>
<tr>
<td>Biology [AS] - B.S.</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>Business and Office Education [ED] - B.A./B.S.</td>
<td>175</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering [EN] - B.S. - Limited Access</td>
<td>196</td>
<td></td>
</tr>
<tr>
<td>Chemistry [AS] - B.A./B.S.</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering [EN] - B.S. - Limited Access</td>
<td>197</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering [EN] - B.S. - Limited Access (Environmental Engineering)</td>
<td>198</td>
<td></td>
</tr>
<tr>
<td>Classics [AS] - B.A.</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>Communication (Speech) [AS] - B.A.</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Computer Engineering [EN] - B.S. - Limited Access</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Computer Science [EN] - B.S. - Limited Access</td>
<td>199</td>
<td></td>
</tr>
<tr>
<td>Criminology [AS] - B.A.</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>Dance Performance [FA] - B.F.A. (Ballet and Modern)</td>
<td>220</td>
<td></td>
</tr>
<tr>
<td>Dance Studies [FA] - B.A.</td>
<td>221</td>
<td></td>
</tr>
<tr>
<td>Dance Education [FA] - B.S.</td>
<td>221</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education [ED] - B.A./B.S.</td>
<td>174</td>
<td></td>
</tr>
<tr>
<td>Economics [AS] - B.A.</td>
<td>83</td>
<td></td>
</tr>
<tr>
<td>Economics [BA]- B.A./B.S. - Limited Access</td>
<td>163</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering [EN] - B.S. - Limited Access</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>Elementary Education [ED] - B.A./B.S.</td>
<td>176</td>
<td></td>
</tr>
<tr>
<td>English [AS] - B.A.</td>
<td>84</td>
<td></td>
</tr>
<tr>
<td>(Option 1: English and American Literature, Option 2: Creative Writing: Fiction, Poetry, Option 3: Professional and Technical Writing) Common Prerequisites</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>English Education [ED] - B.A./B.S.</td>
<td>177</td>
<td></td>
</tr>
<tr>
<td>Environmental Science and Policy [AS] - B.S.</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>Foreign Language Education [ED] - B.A./B.S.</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>(French, German, Italian, Spanish, Russian) Common Prerequisites</td>
<td>178</td>
<td></td>
</tr>
<tr>
<td>French [AS] - B.A.</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>(Option 1: Environmental Studies, Option 2: Urban Studies, Option 3: General Geography) Common Prerequisites</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td>Geography [AS] - B.A.</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>Geology [AS] - B.A./B.S.</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td>German [AS] - B.A.</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>Gerontology [AS] - B.A./B.S.</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>History [AS] - B.A.</td>
<td>91</td>
<td></td>
</tr>
<tr>
<td>Humanities [AS] - B.A.</td>
<td>91</td>
<td></td>
</tr>
<tr>
<td>Industrial Engineering [EN] - B.S. - Limited Access</td>
<td>202</td>
<td></td>
</tr>
<tr>
<td>Industrial-Technical Education [ED] - B.A./B.S. (Technology Education) Common Prerequisites</td>
<td>175</td>
<td></td>
</tr>
<tr>
<td>Information Systems [EN] - B.S. - Limited Access</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Natural Science [AS] - B.A.</td>
<td>92</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Social Sciences [AS] - B.A.</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>Credits</td>
<td>Prerequisites</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------</td>
<td>---------------</td>
</tr>
<tr>
<td>Interdisciplinary Social Sciences [AS] - B.A.</td>
<td>93</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Interdisciplinary Studies [AS] - B.I.S.</td>
<td>75</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>International Studies [AS] - B.A.</td>
<td>88</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Italian [AS] - B.A.</td>
<td>94</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Liberal Arts and Sciences [NC] - B.A. - Limited Access</td>
<td>242</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Liberal Studies [AS] - B.A. - Limited Access</td>
<td>95</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Management [BA] - B.A./B.S. - Limited Access</td>
<td>164</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Marketing [BA] - B.A./B.S. - Limited Access</td>
<td>165</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Mathematics [AS] - B.A.</td>
<td>97</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Mathematics Education [ED] - B.A./B.S.</td>
<td>178</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Mechanical Engineering [EN] - B.S. - Limited Access</td>
<td>203</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Medical Technology [AS] - B.S.</td>
<td>99</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Mental Retardation [ED] - B.A./B.S.</td>
<td>181</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Microbiology [AS] - B.S.</td>
<td>76</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Music [FA] - B.M.</td>
<td>224</td>
<td>(Performance, Composition, Jazz Studies) Common Prerequisites</td>
</tr>
<tr>
<td>Music Education [FA] - B.A./B.S.</td>
<td>225</td>
<td>(General (K-12), Instrumental (K-12), Vocal (K-12)) Common Prerequisites</td>
</tr>
<tr>
<td>Nursing, Basic [NU] - B.S. - Limited Access</td>
<td>245</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Nursing, Registered [NU] - B.S. - Limited Access</td>
<td>245</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Philosophy [AS] - B.A.</td>
<td>100</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Physical Education [ED] - B.A./B.S.</td>
<td>180</td>
<td>(Elementary (K-8), Secondary (6-12), Wellness Leadership) Common Prerequisites</td>
</tr>
<tr>
<td>Physics [AS] - B.A./B.S.</td>
<td>101</td>
<td>Common Prerequisites</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political Science [AS] - B.A.</td>
<td>89</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Pre-Law Emphasis [AS] - B.A.</td>
<td>90</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Pre-Medical Emphasis [AS] - B.A.</td>
<td>71</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Psychology [AS] - B.A.</td>
<td>102</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Religious Studies [AS] - B.A.</td>
<td>103</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Russian [AS] - B.A.</td>
<td>94</td>
<td>No Common Prerequisites</td>
</tr>
<tr>
<td>Science Education [ED] - B.A./B.S.</td>
<td>179</td>
<td>(Biology, Chemistry, Physics) Common Prerequisites</td>
</tr>
<tr>
<td>Social Science Education [ED] - B.A./B.S.</td>
<td>179</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Social Work [AS] - B.S.W. - Limited Access</td>
<td>104</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Sociology [AS] - B.A.</td>
<td>105</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Spanish [AS] - B.A.</td>
<td>94</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Specific Learning Disabilities [ED] - B.A./B.S</td>
<td>181</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Technology Education [ED] - B.A./B.S.</td>
<td>175</td>
<td>Common Prerequisites</td>
</tr>
<tr>
<td>Women's Studies [AS] - B.A.</td>
<td>106</td>
<td>No Common Prerequisites</td>
</tr>
</tbody>
</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, 2000

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 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>June 1</td>
<td>Thursday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except international applicants)</td>
</tr>
<tr>
<td>August 28</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 1</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>September 1</td>
<td>Friday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>September 1</td>
<td>Friday</td>
<td>Last day for late registration</td>
</tr>
<tr>
<td>September 1</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>September 30</td>
<td>Saturday</td>
<td>Rosh Hashanah Begins</td>
</tr>
<tr>
<td>September 4</td>
<td>Monday</td>
<td>Labor Day Holiday</td>
</tr>
<tr>
<td>September 22</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>September 30</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>October 9</td>
<td>Monday</td>
<td>Yom Kippur</td>
</tr>
<tr>
<td>October 20</td>
<td>Friday</td>
<td>Honors Convocation (Classes cancelled 2:00-5:00 p.m.)</td>
</tr>
<tr>
<td>October 27</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>November 10</td>
<td>Friday</td>
<td>Veteran’s Day Holiday celebrated</td>
</tr>
<tr>
<td>November 23-24</td>
<td>Thursday-Friday</td>
<td>Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 8</td>
<td>Friday</td>
<td>Classes End</td>
</tr>
<tr>
<td>December 9-15</td>
<td>Saturday-Friday</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>December 16</td>
<td>Saturday</td>
<td>Commencement (Tampa)</td>
</tr>
<tr>
<td>December 17</td>
<td>Sunday</td>
<td>Commencement (St. Petersburg)</td>
</tr>
<tr>
<td>December 18</td>
<td>Monday</td>
<td>Commencement (Sarasota)</td>
</tr>
</tbody>
</table>

### Spring Semester, 2001

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 1</td>
<td>Tuesday</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>Monday</td>
<td>Prior to processing date for undergraduate and former students returning to apply for admission (except international applicants)</td>
</tr>
<tr>
<td>January 8</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>January 12</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>January 12</td>
<td>Friday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>January 12</td>
<td>Friday</td>
<td>Last day for late registration</td>
</tr>
<tr>
<td>January 12</td>
<td>Friday</td>
<td>Last day to pay fees</td>
</tr>
<tr>
<td>January 15</td>
<td>Monday</td>
<td>Martin Luther King Holiday</td>
</tr>
<tr>
<td>January 19</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>February 22</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>February 17</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>March 9</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>March 12-17</td>
<td>Monday-Saturday</td>
<td>Spring Semester Break</td>
</tr>
<tr>
<td>April 27</td>
<td>Friday</td>
<td>Classes End</td>
</tr>
<tr>
<td>April 28-May 4</td>
<td>Saturday-Friday</td>
<td>Final Examinations</td>
</tr>
<tr>
<td>May 5</td>
<td>Saturday</td>
<td>Commencement (Tampa)</td>
</tr>
<tr>
<td>May 6</td>
<td>Sunday</td>
<td>Commencement (Sarasota)</td>
</tr>
<tr>
<td>May 7</td>
<td>Monday</td>
<td>Commencement (St. Petersburg)</td>
</tr>
</tbody>
</table>
# SUMMER TERM, 2001

## SESSION A
(First Six-week Session)

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2</td>
<td>Tuesday</td>
<td>Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents</td>
</tr>
<tr>
<td>April 2</td>
<td>Monday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)</td>
</tr>
<tr>
<td>May 11</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>May 14</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>May 28</td>
<td>Monday</td>
<td>Memorial Day Holiday</td>
</tr>
<tr>
<td>June 1</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>June 2</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>June 8</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>July 2</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 4</td>
<td>Wednesday</td>
<td>Independence Day Holiday</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day for late registration</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to pay fees</td>
</tr>
<tr>
<td>July 20</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>August 10</td>
<td>Friday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>August 11</td>
<td>Saturday</td>
<td>Summer Commencement (Tampa)</td>
</tr>
</tbody>
</table>

## SESSION B
(Second Six-week Session)

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2</td>
<td>Tuesday</td>
<td>Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents</td>
</tr>
<tr>
<td>April 2</td>
<td>Monday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)</td>
</tr>
<tr>
<td>June 8</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>July 2</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 4</td>
<td>Wednesday</td>
<td>Independence Day Holiday</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day for late registration</td>
</tr>
<tr>
<td>July 9</td>
<td>Monday</td>
<td>Last day to pay fees</td>
</tr>
<tr>
<td>July 20</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>August 10</td>
<td>Friday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>August 11</td>
<td>Saturday</td>
<td>Summer Commencement (Tampa)</td>
</tr>
</tbody>
</table>

## SESSION C
(Ten-week Session)

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2</td>
<td>Tuesday</td>
<td>Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents</td>
</tr>
<tr>
<td>April 2</td>
<td>Monday</td>
<td>Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)</td>
</tr>
<tr>
<td>May 11</td>
<td>Friday</td>
<td>CLAST Registration Deadline</td>
</tr>
<tr>
<td>May 14</td>
<td>Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day to withdraw/drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day for late registration</td>
</tr>
<tr>
<td>May 18</td>
<td>Friday</td>
<td>Last day to pay fees</td>
</tr>
<tr>
<td>May 28</td>
<td>Monday</td>
<td>Memorial Day Holiday</td>
</tr>
<tr>
<td>June 2</td>
<td>Saturday</td>
<td>CLAST Administration Day</td>
</tr>
<tr>
<td>June 8</td>
<td>Friday</td>
<td>Graduation Application Deadline</td>
</tr>
<tr>
<td>June 23</td>
<td>Friday</td>
<td>Last day to drop or withdraw from courses without academic penalty</td>
</tr>
<tr>
<td>July 4</td>
<td>Wednesday</td>
<td>Independence Day Holiday</td>
</tr>
<tr>
<td>July 21</td>
<td>Friday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>August 11</td>
<td>Saturday</td>
<td>Summer Commencement (Tampa)</td>
</tr>
</tbody>
</table>
ACCREDITATION

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.)
- Bachelor of Engineering Technology (B.E.T.)
- Bachelor of Fine Arts (B.F.A.)
- Bachelor of Independent Studies (B.I.S.)
- Bachelor of Music (B.M.)
- Bachelor of Science (B.S.)
- Bachelor of Science in Chemical Engineering (B.S.C.H.)
- Bachelor of Science in Civil Engineering (B.S.C.E.)
- Bachelor of Science in Computer Engineering (B.S.C.P.)
- Bachelor of Science in Computer Science (B.S.C.S.)
- Bachelor of Science in Electrical Engineering (B.S.E.E.)
- Bachelor of Science in Engineering Science (B.S.E.S.)
- Bachelor of Science in Industrial Engineering (B.S.I.E.)
- Bachelor of Science in Information Systems (B.S.I.S.)
- Bachelor of Science in Mechanical Engineering (B.S.M.E.)
- Bachelor of Social Work (B.S.W.)

**Graduate Degrees**

- Master of Accountancy (M.Acc.)
- Master of Architecture (M.Arch.)
- 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.)
- Master of Health Administration (M.H.A.)
- Master of Industrial Engineering (M.I.E.)
- Master of Liberal Arts (M.L.A.)
- Master of Mechanical Engineering (M.M.E.)
- Master of Music (M.M.)
- Master of Public Administration (M.P.A.)
- Master of Public Health (M.P.H.)
- Master of Science (M.S.)
- Master of Science in Biomedical Engineering (M.S.B.E.)
- Master of Science in Chemical Engineering (M.S.C.H.)
- Master of Science in Civil Engineering (M.S.C.E.)
- Master of Science in Computer Engineering (M.S.C.P.)
- Master of Science in Computer Science (M.S.C.S.)
- Master of Science in Electrical Engineering (M.S.E.E.)
- Master of Science in Engineering Management (M.S.E.M.)
- Master of Science in Environmental Engineering (M.S.E.V)
- Master of Science in Industrial Engineering (M.S.I.E.)
- Master of Science in Mechanical Engineering (M.S.M.E.)
- Master of Science in Medical Sciences (M.S.M.S.)
- Master of Social Work (M.S.W.)

**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 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.
USF - A COMPREHENSIVE RESEARCH UNIVERSITY

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 vibrant Tampa Bay, 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 50 public research universities in the country, USF’s fast growing reputation as a superior academic institution was formally acknowledged in 1998 by the Florida Board of Regents, which named USF a “Research I University.” That new title is a direct result of the university’s outstanding graduate programs and research, which in 1998-99 alone generated more than $161 million in contracts and grants.

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 data bases around the world.

Founded in 1956, USF opened its doors in 1960 to 2000 students. Today the university serves approximately 35,000 students — with nearly 200 programs at the undergraduate, master’s, 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 Americans, Latin and Asian students comprise 25 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’s 175,000 graduates contribute to society in numerous professional and civic capacities. Those who live in the Tampa Bay area alone would 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 close to $750-million. One of the largest employers in the Tampa area, its economic impact on the Tampa Bay region totals $2 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 exceed 6 million gross 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 include aging studies and environmental science and policy. Its marine science programs are among the most prestigious in America.

Business is the university’s most popular major, 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 and Management 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 Art Theatre Performing Arts and Education Center.

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 cooperative learning. Faculty have 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 300 engineers have earned master’s degrees through these programs. A strong commitment to diversity has resulted in a high percentage of women and racial and ethnic minorities at the student and faculty levels. Each year, the college hosts the annual Engineering Expo, the largest and 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. The College maintains affiliation agreements with more than 100 health care agencies in USF’s 15 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 renowned for cardiology, ophthalmology and immunology. Through affiliations with Tampa General Hospital, the USF-based Moffitt Cancer Center and Research Institute (Florida’s only National Cancer Institute-designated center) and All Children’s Hospital in St. Petersburg, 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. It is one of only 27 fully accredited public health colleges in the United States. Within the college, the Legislature created the Florida Public Health Information Center (FPHIC) to serve as a statewide center for policy-oriented, health services research. USF’s master’s of Public Health program takes a multi-disciplinary approach to public health—exploring the social, behavioral, legal, medical and economic factors affecting public health. Areas of concentration include community and family health, epidemiology and biostatistics, 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 low-maintenance portable classrooms, water retention projects and urban renovation that addresses traffic, parking, environmental and community needs.

The Louis de la Parte 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.

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

The St. Petersburg campus is nationally recognized for its graduate program in marine science. The campus also houses a Center for Ethics and the Knight Oceanographic Research Center. Noteworthy programs include a respected graduate program in journalism studies and related writing components such as the Florida Suncoast Writers’ Conference. The U.S. Geological Survey’s Center for Coastal Geology, the Florida Institute of Oceanography and a branch of the Department of Environmental Protection are located here.

The Sarasota-Manatee campus includes New College and is adjacent to the state-owned Ringling Museum. USF at Sarasota has significant responsibility for historic and environmental preservation of the beautiful Ringling and Caples 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 at 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 of 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 974-4373. It shall be prohibited for any employee of USF to discriminate or take retaliatory action against any individual who, in good faith, has expressed an alleged unlawful practice in the University.

**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 archi-
GENERAL INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

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. 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 in the process of seeking accredited status 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, criminal investigation, 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 and maintains 24-hour contact via computer networks with all area law enforcement agencies such as the Florida Crime Information Center and the National Crime Information Center. The Florida Department of Law Enforcement and other state and federal agencies are available to assist 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 “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 “9-1-1” and the non-emergency number is (813) 553-1140.
- On 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/accquaintance/stranger rape), hate crimes and prior abuse.

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.

USF POLICE EMERGENCY 911 OR 974-2628

USF VICTIM ADVOCATE

24-Hr. Crisis Line 974-5757
Regular Office Number 974-5756
Location ADM 273

HILLSBOROUGH COUNTY CRISIS LINE 234-1234
ADMISSIONS AND RELATED MATTERS
UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

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 these factors or on the basis of 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.”

The University supports equal educational opportunity for disadvantaged students. Requests for waiver of the $20.00 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 colleges may obtain the SUS Application Form in school guidance offices. The SUS International Student 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 or by e-mail at bullseye@admin.usf.edu. 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 $20.00 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.

An applicant who requests a new entry term must meet the admissions requirements in effect for the new term requested. Entry for some programs are 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, which must substantiate eligibility for admission before a second registration will be permitted.

Applicants who do not meet standard Board of Regents minimum admission requirements may be admitted to the University on academic probation. Students admitted on probationary status must accumulate 30 semester credits and maintain a minimum cumulative 2.0 grade point average (GPA) each term enrolled with no single term GPA below a 1.0 before the probationary status is removed (A term GPA below 2.0 in the first term of enrollment results in permanent academic dismissal.) Advising is mandatory prior to registration. Failure to meet these conditions results in permanent academic dismissal from the University.

Non-degree Seeking Status
Performance in courses taken as a non-degree-seeking (special) 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 final official credentials which fail to substantiate eligibility will result in rescission 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 citizens 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 their 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 new 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.)

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./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 Engineering; all degree programs in the College of Nursing and New College. The admissions 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:

   | REQUIRED TEST SCORE |
   | H.S. GPA | SAT | SAT* | ACT | EACT** |
   | 2.9      | 860  | 970  | 18  | 20    |
   | 2.8      | 870  | 980  | 18  | 20    |
   | 2.7      | 880  | 990  | 18  | 21    |
   | 2.6      | 890  | 1000 | 19  | 21    |
   | 2.5      | 900  | 1010 | 19  | 21    |
   | 2.4      | 910  | 1020 | 20  | 22    |
   | 2.3      | 920  | 1030 | 21  | 22    |
   | 2.2      | 930  | 1040 | 22  | 23    |
   | 2.1      | 940  | 1050 | 22  | 23    |
   | 2.0      | 950  | 1060 | 24  | 25    |

*SAT taken after 3/3/95  **EACT taken after 10/31/86

   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 213 (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. 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 SAT I or the EACT, then college preparatory work will be required during the first term of enrollment at USF:
   SAT I - 440 verbal, 440 mathematics or
   ACT - English 17, Reading 18, Mathematics 19.

Early Admission Applicants (Freshmen)

USF provides 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 $30 non-refundable application fee;
3. Have proof of a 1200 on the SAT I with no less than 440 on SAT I (Verbal) and 440 on SAT I (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. Private 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 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/missions recognized by USF at the time the credits are earned (See Evaluation 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 213 (computer-based test) or 500 and 547 (paper-based test) 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 without 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 A.A. transfer 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 213 (computer-based test) or 500 and 547 (paper-based test) 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 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 counselors before they apply. Students who desire to complete 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 defines and establishes the Associate of Arts degree from a Florida public community/junior college as the basis for all articulations. Among other 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, excluding of occupational courses and basic requirements of 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 advisor. Students may transfer 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/commissons at the time the credits are earned. (See “below for agencies recognized by USF.) 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 accreditation.

3. USF reserves the right to deny credit for specific courses. USF does not award transfer credit from institutions that it determines to be occupational or vocational in nature.

4. Associate of Arts (A.A.) degree holders from Florida public accredited institutions will be considered as having met USF general distribution requirements and are automatically awarded 60 semester hours of credit. A course-by-course transfer credit evaluation will be done for all out-of-state and private in-state A.A. degree holders.

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. Excluded 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 of 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. Information about recommended and approved independent evaluators is available from the Office of Admissions.

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 school 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:
Honors Program

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 Program-Four Year Track is designed for first-time-in-college students. University Honors Program-Two Year Track is designed for transfer or upper-level students. These exciting programs 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 Program description in Undergraduate Studies.)

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

Departmental Honors Programs 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 Program 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 HC35.

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 Program 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 employed 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 420 or EACT English 16). Students who wish to apply for the Learning Communities are recruited, but interested students who are not recruited should be flexible and open to non-traditional instructional methods. Interested students may phone Janna Jones (813) 974-8123, email jones1@chuma1.cas.usf.edu, or visit our Web site at http://www.usf.edu/~lc0.

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 Entrance Examination Board (CLEP).

2. Recognition of satisfactory performance on tests offered through Advanced Placement Programs of the College Entrance Examination Board (see Advanced Placement Credit Programs).
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. Open University (O.U.) 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 desiring of earning a degree, would like to take courses in all levels of undergraduate 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/Florida 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/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 to the Student Health Service. 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, high 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 V (Verbal) and 440 on SAT I Q (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; and
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;

All students interested in early admission or dual enrollment should contact the University Honors Program (CPR 107, 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 requested 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;
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 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 due (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 stamp, 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 the term 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 2000 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 $75.21/hr $308.16/hr
5000-Over Graduate $148.03/hr $508.76/hr

Tampa OU & Off Campus Credit Courses:
0001-4999 Undergraduate $70.15/hr $303.10/hr
5000-Over Graduate $142.97/hr $503.70/hr

St. Petersburg Campus:
0001-4999 Undergraduate $66.97/hr $299.92/hr
5000-Over Graduate $139.79/hr $500.52/hr

St. Petersburg OU & Off Campus Credit Courses:
0001-4999 Undergraduate $66.37/hr $299.32/hr
5000-Over Graduate $139.19/hr $499.92/hr

New College - Sarasota:
0001-4999 Undergraduate $69.21/hr $302.16/hr

Sarasota Campus:
0001-4999 Undergraduate $67.09/hr $300.04/hr
5000-Over Graduate $139.91/hr $500.64/hr

Sarasota: OU & Off Campus Credit Courses:
0001-4999 Undergraduate $65.09/hr $298.04/hr
5000-Over Graduate $137.91/hr $498.64/hr

Lakeland Campus:
0001-4999 Undergraduate $62.21/hr $295.16/hr
5000-Over Graduate $135.03/hr $495.76/hr

Lakeland: OU & Off Campus Credit Courses:
0001-4999 Undergraduate $62.21/hr $295.16/hr
5000-Over Graduate $135.03/hr $495.76/hr

*See "Resident Status," above

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.
(3) 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
FINANCIAL INFORMATION

Classes." Regular Cashier's Office hours are Monday through Saturday, from 9:00am - 5:00pm and Tuesday, Wednesday from 10:00am - 6:00pm.

(5) Tuition fee payment should be mailed to:
Tuition/Purchasing and Financial Services
University of South Florida
4202 E. Fowler Avenue
Tampa, Florida 33620-5800

b. Estimated Bachelor of Independent Studies Fees

<table>
<thead>
<tr>
<th>Application Fee</th>
<th>Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>$20.00</td>
<td>$20.00</td>
<td></td>
</tr>
</tbody>
</table>

1st Study Area
- Independent Study: $1091.25, $4,419.15
- Seminar: $1091.25, $4,419.15

2nd Study Area
- Independent Study: $1091.25, $4,419.15
- Seminar: $1091.25, $4,419.15

3rd Study Area
- Independent Study: $1091.25, $4,419.15
- Seminar: $1091.25, $4,419.15

4th or Inter-area Study: $2,152.50, $8,838.30

Total*: $5,730.00, $35,353.20

*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," is printed each semester, should be used as a reference for updated information.

3. Late Registration Fee

All 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. 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 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 intern 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. Statewide Employee Waivers

Eligible USF and other State agency employees interested in enrolling for free university courses should obtain a State Fee Waiver Form from their respective Human Resources offices and complete it prior to registering. USF employees may obtain the State Fee Waiver Form from the designated fee waiver approving authority within each college/division, or from Human Resources, SVC 2172. The fee waiver is offered on a SPACE AVAILABLE BASIS ONLY and up to six credit hours per term. Fee Waivers for eligible USF employees can be approved by each college/division fee waiver approving authority, and do not have to be brought to Human Resources for approval. State employees using a fee waiver must register during the designated dates for each term (see current Schedule of Classes). If an employee registers prior to the designated dates, he/she will be responsible for payment of fees.

Courses exempt from the fee waiver include (but are not limited to): thesis, dissertation, directed individual study/ research, internship, practicum, one-to-one music/theatre performance, cooperative education, Program for Adult Credit Education (PACE), Lifelong Learning, Continuing Education, correspondence, Distance and Technology Mediated Learning, and any other non-credit or one-to-one instruction courses.

The original completed/approved fee waiver should be brought to the Cashier's Office, ADM 131, by the fifth day of each term in order to avoid a late payment fee. All hours in excess of six must be paid for at the regular rate by the fee payment deadline. Employees should contact the Registrar's Office to request any necessary permissions, enrollment, and Florida residency requirements.

8. Notice to Individuals Utilizing State Employee Fee Waivers:

Based on the Internal Revenue Code (IRC), Section 127, the utilization of the State employee fee waiver is a taxable benefit to employees. Employees enrolled in graduate level courses earn taxable income equal to the tuition waived on graduate level courses. The value of all graduate level courses waived by an employee fee waiver that have not been dropped by the last day of the drop/add period will be included in an individual's taxable wages. Therefore, make sure to drop all graduate level classes that you do not anticipate completing by the last day of the drop/add period! This taxable income is subject to both Federal income tax and Social Security and Medicare taxes (FICA). Therefore, it is important for employees utilizing State fee waivers to ensure that their correct residency is reflected on the Registrar's system so that fees will be properly assessed and subsequently taxed.

Under IRC Section 117 (d), tuition waivers given to employees of universities in the Florida State University System for education below the graduate level are excludable from their income without dollar limit. Graduate students employed as teaching and research assistants are also entitled to the income exclusion for tuition waived.

The taxable value of tuition waived will be reported to the State Comptroller's Office, Bureau of State Payrolls, each semester by the Division of Finance and Accounting. Due to system limitations, the Bureau of State Payroll is only able to withhold FICA tax from individuals' pay. Individuals who anticipate a tax liability from the taxable benefit received from the graduate level fee waiver can adjust their W-4 form in Human Resources to have additional withholding deducted from their pay. Most individuals wishing to claim a tax exclusion for courses reported to the Bureau of State Payrolls by the University, should work through their agency's Human Resource/Personnel Office to file necessary paperwork with the Bureau. USF employees wishing to claim a tax exclusion should contact the USF Payroll Office. We have been advised that agencies with individuals claiming a tax exclusion for the course waived will be given an opportunity to make this claim with the Bureau of State Payrolls before taxable values are included with the employee's earnings.

Any questions on this matter should be directed to the Payroll Manager or Associate Controller in Finance and Accounting at 974-6034 or 974-6066, respectively.

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 plan are responsible for the local portion of fees. These fees are $18.66 per credit hour, including applicable lab fees. This fee 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 fee payments must be postmarked, by 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. 1999/2000 Room Rent for Double and Single Occupancy*

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

Double Occupancy

<table>
<thead>
<tr>
<th>Fall/Spring</th>
<th>Spring Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kosove</td>
<td>$3,000</td>
</tr>
<tr>
<td>Andros</td>
<td>$2,040</td>
</tr>
<tr>
<td>Beta</td>
<td>$2,404</td>
</tr>
<tr>
<td>Village</td>
<td>$2,720</td>
</tr>
</tbody>
</table>
| Single Occupancy

<table>
<thead>
<tr>
<th>Fall/Spring</th>
<th>Spring Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kosove</td>
<td>$3,964</td>
</tr>
<tr>
<td>Andros</td>
<td>$3,620</td>
</tr>
<tr>
<td>Beta</td>
<td>$3,460</td>
</tr>
<tr>
<td>Village</td>
<td>$3,970</td>
</tr>
<tr>
<td>Holly</td>
<td>$3,964</td>
</tr>
</tbody>
</table>


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.)

Carte Blanche Plan + $100 Flex | $1255.00
Carte Blanche Plan | $1195.00
14 Meal Plan + $250 Flex | $1170.00
14 Meal Plan + $150 Flex | $1095.00
14 Meal Plan | $995.00
150 Meal Plan + $125 Flex | $995.00
10 Meal Plan + $80 Flex | $995.00
10 Meal Plan | $915.00

Meal Plan Selections for Returning Residents

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

8 Meal Plan + $350 Flex | $1085.00
8 Meal Plan + $250 Flex | $1010.00
8 Meal Plan + $100 Flex | $870.00
100 Meal Plan + $100 Flex | $770.00
$915.00 All Flex | $915.00

Refund of Tuition/Fees Payment

Refund 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.

a. 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.

b. 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.

a. 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. Involuntary 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 aid application at USF via the Financial Aid Web: http://usfweb.usf.edu/financialaid. and via OASIS Web: http://usfweb.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/financialaid/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 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 semestery Schedule of Classes. Borrowing is 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 or future financial aid disbursements will be delayed or cancelled.

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: Crentient Hill Garage, lots 3C, 3D, 6, 18, 19, 23, 25, 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 18B 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 Parking Services Department. (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) 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
The University of South Florida (USF) is committed to the concept of total student development - intellectual, social, physical, emotional, and moral. The curricular, cocurricular, 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://webasa.admin.usf.edu/
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 underrepresented groups.

Center for Academic Advising

Location/phone: SVC 2111, (813) 974-2645
Web address: http://webasa.admin.usf.edu/advising/adv.htm
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 diagnostic programs for at risk or underprepared student populations, and special advisement for underrepresented students. The staff prepares students for entrance into all limited access majors (e.g. Engineering, Business, Nursing, and Mass Communications), 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://webasa.admin.usf.edu/sds/dss.htm
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 Braille books. Students are encouraged to contact the Office as early as possible prior to enrollment to make arrangements for appropriate services.

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, communication sciences, 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 mentoring 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 crite-
nia for this very competitive scholars program are as follows: 3.0
minimum cumulative GPA, three or more years in the年中国
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 recommenda-
tions.

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 Scholar-
ships 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 admit-
ted 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 develop-
ment 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 opportuni-
ties for parents of 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, Admis-
sions, 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 de-
dsigned to assist USF underrepresented undergraduate stu-
dents 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 Univer-
sity of South Florida. Throughout the year, PEP provides aca-
demic and personal counseling, mentoring, tutoring, career
development, peer support, study groups, enrichment semi-
nars and other personalized 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 residen-
tial summer transition program for students who have the
potential to succeed in college but may not meet all of the academic criteria. Prior to participating in the program, 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 first
semester registration and offers strategies for a successful life
at college. This intensive summer experience provides course
credit toward graduation while enhancing personal and aca-
demic success at the University of South Florida.

Student Academic Support System (SASS)
Location/phone: SVC 2008, (813) 974-4505
Web address: http://webasa.admin.usf.edu/sass/default.htm
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 under-
graduate 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, advising office, or OASIS. The central SASS
office maintains the data and trains appropriate college per-
sonnel.

Student Support Services Program
Location/phone: SVC 2042, (813) 974-4301
Web address: http://webasa.admin.usf.edu/ssss/ssss.htm
Student Support Services (SSS) is a federally funded reten-
tion program designed to provide academic and personal
support to alternatively admitted students 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, ca-
reer, 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 univer-
sity resources and facilities. Students receive a comprehen-
sive 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 Manage-
ment 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, includ-
ing registration, financial aid, scholarships, student employ-
ment and grade reporting. Experiential learning, career plan-
ing, 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) 667-7026

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 non-traditional 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 pre 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, Careerships, Internships, 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/
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.

Counseling Center for Human Development

Location/phone: SVC 2124, (813) 974-2831
Web address: http://usfweb.usf.edu/counsel

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 effective 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 become a more insightful, self-directing person. 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 also offers two credit-bearing courses—Advanced Reading (3 credits) and Learning Strategies within Academic Disciplines (2 credits). Workshops are offered each semester for study skills and for the individual sections of the CLAST. CLAST workshops are also offered for students seeking remediation in the different areas of CLAST. 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 psychological attributes are available. Additionally, the Learning Disabilities Testing Program receives referrals from the Office of Disabled Student 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, psychosocial and educational issues that concern students.

Specialized programs include the Center for Alcohol 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 and guidance, coordinate of services, 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 serves 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 Deferment 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 and north of the Student Services Building, (813) 974-2331, FAX (813) 974-5888.
Address: 4202 East Fowler Avenue, SHS 100 Tampa FL 33620-6750
Office Hours: Monday through Friday 8:00 a.m. to 5:30 p.m. (hours may 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 (medical care) and the Doctor's walk-in Clinic (977-2777) on Bruce B. Downs Boulevard (west of campus).

Student Health Services (SHS) at USF furnishes health service specifically designed to meet the needs of the students and the community in which the students will be residing and studying. SHS is a comprehensive, cost-effective student health service that provides medical care and counseling and is designed to assist students in maintaining their health and in managing personal and academic problems. SHS is committed to providing quality health care to all students and strives to achieve this goal by providing a wide range of services. SHS is an equal opportunity, affirmative action employer.

Students should not wait until they are ill to visit Student Health Services. 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 in Room 103 in Student Health Services and enroll.

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 well being. 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 registration, submit on 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
Fax: (813) 974-5888
Telephone: (813) 974-4056 or 974-2331

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). All students less than 40 years of age must present documented proof of immunity to RUBELLA. The documented 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 immune 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 immunity.
3. A written, dated statement signed by a physician on his 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 diagnosed 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 thirty (30) days, and no more than three (3) months later. It is recommended that both doses of measles vaccine be given as a combined measles-mumps-rubella (MMR) vaccine. Vaccinations and blood titer 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.

SUS Health Insurance Requirement for
International Students

The Board of Regents of the State University System in Florida requires that all international students have medical insurance in order to register for classes at USF. The Florida State University System’s International Student Health Insurance Requirement is as follows:

As of Fall, 1992, no foreign student in F-1, F-2, J-1 or J-2 non-immigrant status shall be permitted to register, or to continue enrollment without demonstrating that (s)he has adequate medical coverage for illness or accidental injury. An appropriate health insurance policy must have the following elements present:
1. 52 weeks continuous coverage
2. Basic benefits: room, board, hospital services, physician fees, surgeon fees, ambulance, out-patient services and out-patient fees paid at 80%, of usual, customary, and reasonable (UCR) charge after deductible is met.
3. In-patient mental health care: 50% of UCR charges with a thirty (30) day cap.
4. Out-patient mental health care: 50% of UCR charges with a $100.00 cap.
5. Maternity benefits: treated as any other medical condition
6. In-patient/Out-patient prescription medication
7. Repatriation: $7,500,00 coverage to return remains to the home country in the event of death.
8. Medical evacuation: $10,000,00 coverage to permit patient to be returned to home country for medical treatment.
9. Exclusion period for preexisting conditions: six months.
10. Deductible: $50.00 per illness/accident if treatment is given at USF Student Health Services; $100.00 per illness/accident if treatment is given elsewhere.
11. Aggregate cap: $200,000.00 per illness/accident.

Students must show proof of appropriate health insurance coverage before registration. An insurance policy recommended by the ISSS at USF is available at Student Health Services. Exchange visitors, such as visiting research scholars, must follow Federal Regulations regarding their insurance. These regulations implementing the Mutual Educational and Cultural Exchange Act of 1961 as amended by Public Law 87-256 require that all exchange visitors in J-1 non-immigration status and their dependents in J-2 non-immigration status must also demonstrate the possession of adequate medical insurance for illness or accidental injury.

Residence Services

Location/phone: RAR 229, (813) 974-4310.
Office Hours: Monday through Thursday, 9:00 a.m. - 5:00 p.m. and on 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
On-Campus Housing Facilities

Student housing facilities on the Tampa campus are clustered in four centers of community activity - the Argos, Andros, Hoff, and Village Complex. Each area provides a combination 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 Hall offers traditional student residence hall living. Beta is co-ed. The traditional living arrangement in these halls provides room accommodations designed for both sleeping and studying. Double-occupancy residence halls house a total of 40-50 residents; single occupancy residence halls house 20-25 residents. In each, 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. Sophomores, juniors, seniors, and graduate students are eligible to live in Kosove Apartments.

The Andros Complex consists of nine smaller halls with suite arrangements. Delta and Epsilon 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, Eta, and Kappa Halls are all female and double occupancy. Eta Hall resides in residential programs for Women’s Studies students and has housing with interests in science and mathematics. Lambda and Mu 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 study area, 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 (20-41 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 status or higher and/or are graduates or graduate standing or have at least 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, laundry, and a wooded picnic/barbecue area.

Off-Campus Housing

Location/phone: CTR 254, (813) 974-3749
Office Hours: Monday through Thursday 9 a.m. – 6 p.m., and Friday 10 a.m. – 3 p.m.

The Off-Campus Housing Office maintains lists of university-area apartments, homes, condos, and other rental properties available to the public. In addition, the agency accepts roommate and rental property listings from private individuals who do not discriminate because of race, color, or national origin. The office is open throughout the year.

Phyllis P. Marshall Center

Location: middle of campus, at the apex of Cedar Drive
Web address: http://ctr.usf.edu

The Phyllis P. Marshall Center, more so than any other campus facility, serves as a focal point of daily activity for students, faculty, staff, alumni, guests and visitors. Located at the heart of campus at the apex of Cedar Drive, it is the community center of the University, providing a multitude of services and programs. The Marshall Center seeks to add another dimension to the educational experience by providing an environment for informal association outside the classroom. The Marshall Center was designed with the extracurricular life of the student in mind, to provide a sense of central place and community for the USF student. It is an opportunity for new friends, engage in lively discussions, or take advantage of valuable services designed to improve the quality of life of the USF student. In addition, it is the goal of the Marshall Center to provide meeting space for faculty, alumni and staff, to provide recreational and informational services to the public and to foster a spirit of enthusiasm and community at USF.

Student Activities brings the Marshall Center to life. We are the “home” to over 200 student organizations. The Marshall Center Student Activities Office provides leadership development programs and opportunities through numerous programs including Volunteer USF, the Campus Activities Board, Multicultural Council, the Student Government, Greek Life and the Student Organization Advisory Board.

The Marshall Center houses a diversity of programs and services: food services, organizational offices, meeting rooms, a Craft Shop, Game Room, study lounges, a travel service, and much more.

Information Desk, located in the first level lobby, serves as the information center for student activities in the Center and the University. Services available through the Information Desk are discount and other ticket sales, residence hall voice mail sign-ups, Tampa area bus schedules, official USF lost and found, and current events information. Other services located on the first level include a USF Federal Credit Union branch with...
two automatic teller machines, the USF Card Center, STA Travel, and Centre Gallery, a student directed art exhibition space, and the SEC Box Office.

The Marshall Center's conference and meeting facilities are available through the Reservations office. Meeting rooms hold from 12 to 2,250 people. Large rooms, such as the 1956 Ballroom, are perfect for dinners, social functions and large conferences.

Food service areas in the Marshall Center include the Tampa Room Food Court, with Chick-Fil-A and Taco Bell, and Good Stuff, etc. on the first level. 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 Marshall Center is available through USF Dining Services for those wishing to hold a luncheon, reception or formal dinner.

The Marshall Center lower level houses WIRTUAL Student Radio Station, SG Computer Services, the games and arcade area, Centre Studios, Bike Shop, vending machines, SAFE Team/SoberRide Offices and C'Ybor City. The Game Room area has billiard tables, video, computer, and pinball games, foosball, table tennis, chess, checkers, and card tables. Various collegiate tournaments are also coordinated through the games area. Centre Studios is available to students and non-students with classes offered in ceramics, photography, silk-screening and more. The Bike Shop, located on the lower level west end, provides bicycle repair, supplies, parts and accessories.

The weekly Bull Market is coordinated every Wednesday by the Marshall Center. The Market offers vendors, food and a social atmosphere for students.

Other Marshall Center services include a stamp machine, library bookdrop.

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 orchestra areas, auditorium-style seating, exceptional acoustics and high quality lighting equipment, this center is ideal for a wide variety of programs. The center, which accommodates 2,250, hosts concerts, cultural events, lecture series, musical and theatrical performances, as well as all types of 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.

The SEC Box Office offers Ticketmaster ticket services, plus discounted area attraction and theme park tickets.

Student Government
Location/phone: CTR 203, (813) 974-2401
Web address: http://www.student-gov.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 secures student representation 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, WIRTUAL Radio Station, Internet Administration Services and the Homecoming Steering committee. Student Government will assist students with any type of grievance by acting as a liaison between students and University administration.

Student Activities
Location/phone: CTR 246, (813) 974-5002
Office Hours: Monday through Thursday, 8 a.m. – 7 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 group. 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 programming 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 valuable skills in marketing, budgeting, and program planning. Professional advisors are also available to counsel students on their programming needs.

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 246.

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, Anthropology Club, Association of Computing Machinery, Association of Library and Information Science Studies, Association of Marketing Students, Association of Medical Science Graduate Students, Association of Minority Communicators, Colloquium for Literature and Linguistics, Engineering Transition Society, Geography Club, Geology Club, Graduate Business Association, Marine and Life Science Consortium, Mathematical Association Student Chapter, Microbiology Club, Minority Organization of Students in Education, National Student Speech Language Association, Minority Organization of Students in Education, Phi Mu Alpha Sinfonia, Religious Studies Community Forum, Sigma Alpha Iota, Social Sciences Education Club, 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 Pan-Hellenic 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, Organization of Student Representatives, Panhellenic Council, and Public Health Student Association.
Greek
There are currently 17 national fraternities and 12 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 Black 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.

Sororities: 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.

Fraternities: Alpha Phi Alpha, Alpha Tau Omega, Beta Theta Pi, Chi Phi, Kappa Sigma, Lambda Chi Alpha, Phi Delta Theta, Pi Kappa Alpha, Omega Psi Phi, Sigma Alpha Epsilon, Sigma Mu, 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, Gamma Theta Upsilon, 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 International Cultural Exchange, Chinese Student Union, Circolo Culturale Italiano, Club Creole (Haitian), FIU Book Club, Friendship Association of Chinese Students and Scholars, German Club, Hellenic Student Association, International Festival Planning Committee, Korean Student Association, Latin American Student Association, Muslim Students Association, National Students Support Council for Africa, Odin Associates, Persian Cultural Society, Spic Macay, Students of India Association, Turkish Students Association, and Vietnamese Student Association.

Political
Organizations for political and social change include College Republicans and College Democrats.

Professional
The professional societies at USF focus their groups on profession-oriented needs and interests of students. They include Accountants National Black Association, Advertising Club, American Chemical Society, American College of Health Care Executives, 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, Association of Students for Public Administration, Black Graduate and Professional Student Organization, College Music Educators Conference, 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, Legal Brief, Mathematics Education Club, Management Information Systems Society, Minority Preprofessional and Sciences Society, Pi Mu Epsilon, Pre-Dental Society, Pre-Nursing Society, Semper Fi Society, Society for Technical Communications, Society of Professional Journalists, Society of Women Engineers, Special Libraries Association, Student Broadcasting Association, Student National Medical Association, and University Film and Video Association.

Religious
The University has encouraged student religious organizations to develop. 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, Dynamics, Fellowship of Christian Students, Friends of Israel Gospel Ministry, International Fellowship, Intervarsity Christian Fellowship, Latter Day Saints Student Association, Non-Generation Campus Ministry, Pagan Allied Network, Students of Biblical Research, Winner’s Circle, Young Israel Jewish Student Union, and Young Life Leadership.

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 Adoptions Group, BACCUS, Best Buddies, Big Brothers/Big Sisters, Campus Activities Board, Circle K International, Gold Council, Greeks Advocating Mature Management of Alcohol (GAMMA), H.O.P.E. Hispanic Organization Promoting Education, Paraprofessional Counseling Service, 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. Strategic Planning, Supreme Court, S.G. Student Information Services, Student Organization Advisory Board, Students Taking An Active Role in Society, USF Ambassadors, and USF Colors.

Special Interest

Sports and Recreation
Sports and recreational organizations offer students the opportunity to enhance their physical well-being as well as their

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. The Campus Recreation Department offers five distinct divisions: informal recreation, outdoor recreation, intramural, 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 indoor and outdoor pools, gymnasiums, weight room/activities 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 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 relationships. 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 Associate Dean for Student Relations, as soon as possible.

For Academic Grievances: Students should see the college dean in whose the cause for the grievance occurred.

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, indoor and outdoor track, golf and tennis. On the women’s side are basketball, softball, tennis, golf, cross country, indoor and outdoor track, soccer and volleyball.

The school became a charter member of ConferenceUSA 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 varsity 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) 974-6413, 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 book store 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. Macintosh and IBM 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 (COQ 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 Cafe. 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 freshman 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 Cafe (located in the Argos Center) - Crossroads offers breakfast, lunch and dinner seven days a week on an "all-you-can-eat" basis.
Cafe Good Eats (Andros Center) - This restaurant serves dinner and late dining Monday - Thursday.
The Corner Grocery (Andros Center) - Serves 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 Cafe (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 vending card 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/
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
  - For: Financial aid purposes
    - must enroll for 12 hours (undergraduate) in any combination of
      - Sessions “A,” “B” and “C.”
      - Sessions “C” (10 weeks)
    - 9 hours or more
  - For: Academic purposes
    - 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 prior 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/commisions 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 entities 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-executed Transient Student Form or Cross Enrollment Form should be used for this purpose.

### Registration for Admitted Degree-Seeking Students

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 of record on the first 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 1966 to present documentation of proof of immunity to MEASLES (Rubeola). All students less than 40 years of age shall present documented proof of immunity to 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, prospective, 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-managed 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 are 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 majors 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 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 utilize classroom space and to insure 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. Numbers of students who register prior to the first day of the term are printed on the first class roll for each course section. The first class roll is used by professors to drop 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 to request waiver of the first class attendance requirement. Students who add courses or late-register during the first week of classes will not be on the first class roll and, therefore, will not be dropped for non-attendance by the instructor. To avoid fee liability and academic penalty, the student is responsible for insuring that he/she has dropped or been dropped from all undesired courses by the end of the 5th day of classes. 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, or study, individual research, thesis, dissertation, 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 records 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 ninth 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 his/her presence in the classroom is as a listener. 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. Audit 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 nine 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 ninth week of classes in the Fall and Spring Semesters) are posted to the academic record with “W” grades 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 Surcharge
Initiated by the Florida Legislature (H.B. 1545 of 1997) to reduce costs, all state universities must monitor undergraduates to ensure students 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 exception 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 that 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) name and complete address of recipient; and (4) 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 five 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 Campus’ 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 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, 296; and Essay, 10. 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 on 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 CLAST advisor. A course or method of preparation to remediate 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 from the CLAST communication subtests 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 2023 or higher. Any combination of these courses is permissible. Students may seek a waiver by submitting appropriate documentation to Evaluation and Testing (SVC 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 mathematics, such as computer science, may be used to fulfill 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 better 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</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>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>AFS 2250</td>
<td>Culture and Society in Africa</td>
<td>3</td>
</tr>
<tr>
<td>AFS 3153</td>
<td>African Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3510</td>
<td>U.S. Diplomatic History to 1898</td>
<td>4</td>
</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4303</td>
<td>Zora Neale Hurston: Major Works</td>
<td>3</td>
</tr>
<tr>
<td>AMS 3001</td>
<td>American Culture 1880-1915</td>
<td>4</td>
</tr>
<tr>
<td>AMS 3260</td>
<td>American Culture, 1830-1860</td>
<td>4</td>
</tr>
<tr>
<td>AMS 3370</td>
<td>Southern Women: Myth and Reality</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4172</td>
<td>Historical Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4231</td>
<td>Folklore</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4241</td>
<td>Magic and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4342</td>
<td>The Individual and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4620</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4750</td>
<td>Language and Social Interaction</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4935</td>
<td>Rethinking Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 4784</td>
<td>The City</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4710</td>
<td>History of Photography</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4721</td>
<td>Graphicstudio/History of Media: Printmaking</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4796</td>
<td>Critical Studies In Art History</td>
<td>4</td>
</tr>
<tr>
<td>CGJ 4934</td>
<td>Seminar in Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CES 0000</td>
<td>Structures and The Urban Environment for Non-Engineers</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4070</td>
<td>Historical Perspectives in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4250</td>
<td>Ethical Issues And Professional Conduct</td>
<td>3</td>
</tr>
<tr>
<td>CLT 3101</td>
<td>Greek Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>CLT 3102</td>
<td>Roman Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>COM 4020</td>
<td>Communicating Illness, Grief, and Loss</td>
<td>3</td>
</tr>
<tr>
<td>COM 4030</td>
<td>Women and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4710</td>
<td>Writing Lives</td>
<td>3</td>
</tr>
<tr>
<td>CRW 2100</td>
<td>Narration and Description</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3111</td>
<td>Form and Technique of Fiction</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3112</td>
<td>Fiction I</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3121</td>
<td>Fiction II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 2100</td>
<td>Introduction To Dance</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3228</td>
<td>Human Behavior and Environmental Selection</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4008</td>
<td>Literature in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4742</td>
<td>Narrative Perspectives on Exceptionality: Cultural and Ethical Issues</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman English I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman English II</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1121</td>
<td>Freshman English: Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1122</td>
<td>Freshman English: Honors II</td>
<td>3</td>
</tr>
<tr>
<td>ENC 2210</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3213</td>
<td>Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4651</td>
<td>Equity in Schools and the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>FIL 2001</td>
<td>Film: The Language Of Vision</td>
<td>4</td>
</tr>
<tr>
<td>FRT 3140</td>
<td>French Literary Masterpieces in English</td>
<td>3</td>
</tr>
<tr>
<td>FRW 4100</td>
<td>The French Novel</td>
<td>3</td>
</tr>
<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
<td>3</td>
</tr>
<tr>
<td>GEA 3405</td>
<td>Geography of Latin America</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3500</td>
<td>Geography of Europe</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4372</td>
<td>Global Conservation</td>
<td>3</td>
</tr>
<tr>
<td>GEY 3625</td>
<td>Sociocultural Aspects of Aging</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4250</td>
<td>Seminar for Humanities</td>
<td>3</td>
</tr>
<tr>
<td>IDS 3115</td>
<td>Values and Choices</td>
<td>3</td>
</tr>
<tr>
<td>IDS 3663</td>
<td>Critical Issues Affecting the Arts</td>
<td>3</td>
</tr>
<tr>
<td>LAE 4414</td>
<td>Literature in Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Adolescent Literature for Middle and Secondary Students</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3801</td>
<td>Language and Meaning</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2010</td>
<td>Introduction to Fiction</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3073</td>
<td>Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3101</td>
<td>Literature of the Western World Through the Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3102</td>
<td>Literature of the Western World Since the Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3103</td>
<td>Great Literature of the World</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3144</td>
<td>Modern European Novel</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3155</td>
<td>Modern Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3301</td>
<td>Cultural Studies and the Popular Arts</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>The Image of Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3451</td>
<td>Literature and the Occult</td>
<td>3</td>
</tr>
<tr>
<td>LIT 4386</td>
<td>British and American Literature by Women</td>
<td>3</td>
</tr>
<tr>
<td>MAT 4970</td>
<td>Mathematics: Senior Thesis</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2111</td>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>NGR 6121</td>
<td>Theoretical Basis of Advanced Practice Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NUR 6155</td>
<td>Ethical, Legal, and Policy Issues in Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4194</td>
<td>An Interdisciplinary Perspective in HIV Disease</td>
<td>3</td>
</tr>
<tr>
<td>PHP 2000</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4600</td>
<td>Contemporary Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4700</td>
<td>American Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Formal Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>Theory of Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4320</td>
<td>Philosophy of Mind</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4800</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3100</td>
<td>Social Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHM 4331</td>
<td>Modern Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHM 4340</td>
<td>Contemporary Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4000</td>
<td>Plato</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4010</td>
<td>Aristotle</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4740</td>
<td>The Rationalists</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4745</td>
<td>The Empiricists</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4784</td>
<td>Analytical Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4788</td>
<td>Philosophy of Marxism</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4031</td>
<td>Great Themes in Physics</td>
<td>3</td>
</tr>
<tr>
<td>POS 4131</td>
<td>The American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POS 4694</td>
<td>Women and Law II</td>
<td>3</td>
</tr>
<tr>
<td>POT 4109</td>
<td>Politics and Literature</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Politics</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300</td>
<td>Introduction to World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL 3111</td>
<td>The Religious Quest in Contemporary Films</td>
<td>4</td>
</tr>
<tr>
<td>REL 3114</td>
<td>Comedy, Tragedy, and Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 3145</td>
<td>Women and Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 3155</td>
<td>Life After Death</td>
<td>3</td>
</tr>
<tr>
<td>REL 3170</td>
<td>Religion, Ethics and Society Through Film</td>
<td>3</td>
</tr>
<tr>
<td>REL 3362</td>
<td>Introduction to Islam</td>
<td>3</td>
</tr>
<tr>
<td>REL 3367</td>
<td>Islam in the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>REL 3465</td>
<td>Religion and the Meaning of Life</td>
<td>3</td>
</tr>
<tr>
<td>REL 3511</td>
<td>History of Christianity</td>
<td>4</td>
</tr>
<tr>
<td>REL 3561</td>
<td>Roman Catholicism</td>
<td>3</td>
</tr>
<tr>
<td>REL 3600</td>
<td>Introduction to Judaism</td>
<td>3</td>
</tr>
<tr>
<td>REL 3602</td>
<td>Classics of Judaism</td>
<td>3</td>
</tr>
<tr>
<td>REL 3613</td>
<td>Modern Judaism</td>
<td>3</td>
</tr>
<tr>
<td>REL 4113</td>
<td>The Hero and Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 4171</td>
<td>Contemporary Christian Ethics</td>
<td>4</td>
</tr>
<tr>
<td>REL 4177</td>
<td>Comparative Religious Ethics</td>
<td>4</td>
</tr>
<tr>
<td>REL 4221</td>
<td>Who Wrote the Bible (Genesis-Kings)</td>
<td>4</td>
</tr>
<tr>
<td>REL 4670</td>
<td>Judaism and Christianity After the Holocaust</td>
<td>4</td>
</tr>
<tr>
<td>RUS 3500</td>
<td>Russian Civilization</td>
<td>3</td>
</tr>
<tr>
<td>RUT 3110</td>
<td>Russian Classics in English</td>
<td>3</td>
</tr>
<tr>
<td>RUT 3111</td>
<td>Twentieth-Century Russian Literature in English</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4237</td>
<td>Science, Technology, Society Interaction</td>
<td>5</td>
</tr>
<tr>
<td>SPC 4305</td>
<td>Communicating Emotions</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4632</td>
<td>Rhetoric and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>STA 4442</td>
<td>Introduction to Probability</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3310</td>
<td>Qualitative Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4420</td>
<td>Consumer Culture</td>
<td>3</td>
</tr>
<tr>
<td>THE 4180</td>
<td>Theatre Origins</td>
<td>3</td>
</tr>
<tr>
<td>THE 4320</td>
<td>The Theatre Of Myth And Ritual/Northern European</td>
<td>3</td>
</tr>
<tr>
<td>THE 4330</td>
<td>Shakespeare For The Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THE 4360</td>
<td>The 19th Century Theatre Revolution</td>
<td>3</td>
</tr>
<tr>
<td>THE 4401</td>
<td>O’Neill And After</td>
<td>3</td>
</tr>
<tr>
<td>THE 4434</td>
<td>Caribbean Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THE 4435</td>
<td>Theatre Of Pluralism</td>
<td>3</td>
</tr>
<tr>
<td>THE 4442</td>
<td>The Comedy Of The Classic And Neo-Classic Stage</td>
<td>3</td>
</tr>
<tr>
<td>THE 4562</td>
<td>Contemporary Performance Theory</td>
<td>3</td>
</tr>
<tr>
<td>WST 3210</td>
<td>Women in Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>WST 4260</td>
<td>Research Issues on Women of Color</td>
<td>3</td>
</tr>
<tr>
<td>WST 4262</td>
<td>Literature by American Women of Color</td>
<td>3</td>
</tr>
<tr>
<td>WST 4263</td>
<td>Third World Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>WST 4310</td>
<td>Feminism in America</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Course Number and Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2060 Introduction to Computers and Programming in Basic</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2100 Introduction to Formal Logic</td>
<td>3</td>
</tr>
<tr>
<td>QMB 2100 Business and Economics Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>STA 222 Basic Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>STA 2122 Social Sciences Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>Excellent performance</td>
<td>4.00</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>Good performance</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>Average performance</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td></td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>Poor performance</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td></td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### 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, IU, 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 not removed by the end of the time limit will be changed to “IF” or “IU,” whichever is appropriate. 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 the student’s final grade. These S/U only courses are identified with (S/U) only 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 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:
   a. Letter grade, A, B, or C, shall be equivalent to a letter grade of “S.”
   b. Letter grades D or F shall be equivalent to a letter grade of “U.”
   c. “S” and “U” grades are not computed in the student’s GPA.

### 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 forgive-
neis 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 circum-
stances, 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 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; there-
      fore, 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 from USF, they may not repeat a 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 (FP). 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 Conditional Reassessment by the Academic
Readmissions 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 who has accumulated fewer than 60 semester
hours and who is academically dismissed from USF or falls below a 2.0
GPA and subsequently achieves an A.A. degree or an articu-
lated A.S. degree from a Florida public community/junior col-
lege (or 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.
from a Florida public community/junior college (or 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 Regula-
      tions 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 consid-
ered to be a binding decision.

If a student is academically dismissed or falls below a 2.0 GPA
from USF and subsequently receives a BA/BS from another
four-year institution, that student, when accepted to the Univer-
sity with the post-baccalaureate status, will have his/her aca-
demic 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 suc-
cess, 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 may, with 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 I – Students with fewer than 60 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 com-
pleting 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 exercise 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 the Academic Renewal II policy will lose the credit they earned during the terms (up to three) they chose 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

**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 undecided 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 that 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 of scheduled examination time, he/she may petition the appropriate instructor to reschedule one of the student’s examinations. The final examination schedule shall be published in the same manner and place as the Schedule of Classes.

**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 students 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 objective review of facts and events pertinent to the cause of academic grievances. Such reviews are 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 quotation, 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.]


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 granting or receiving 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 drawings, 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 authorized, 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.”

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 suspended 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 materials, or the dissemination of such materials, or the manipulation of recorded 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 interruptions 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 depend 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 disruptions 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 student 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 academic failure, the dean shall cause formal charges to be filed with the appointed academic committee. 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 decision 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 evidence 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.

Reopened 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 filed 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Methods</td>
<td>6</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>6</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>African, Latin American, Middle Eastern or Asian Perspectives</td>
<td>3</td>
</tr>
</tbody>
</table>

Exit Requirements* Semester Hours

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Works and Major Issues</td>
<td>6</td>
</tr>
<tr>
<td>Literature and Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

*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.

While CGS 2060 is applicable 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 sense 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman English I -6A</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman English II -6A</td>
<td></td>
</tr>
<tr>
<td>ENC 1121</td>
<td>Freshman English: Honors -6A</td>
<td></td>
</tr>
<tr>
<td>ENC 1122</td>
<td>Freshman English II: Honors -6A</td>
<td></td>
</tr>
</tbody>
</table>
### Quantitative Methods (6 hours minimum)
- 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 1105 College Algebra -6A
- MGF 1107 Mathematics for Liberal Arts -6A
- MGF 1147 College Algebra and Trigonometry -6A
- MGF 2131 Chaos and Fractals -6A
- MGF 2202 Finite Mathematics -6A
- PHI 2100 Introduction to Formal Logic -6A
- QMB 2100 Business And Economic Statistics I -6A

### Natural Sciences (6 hours minimum)
- ANT 4586 Prehistoric Human Evolution
- AST 2005 Astronomy of the Solar System
- ART 2006 Stellar Astronomy and Cosmology
- AST 3033 Contemporary Thinking in Astronomy
- BMS 4402 Principles Of Human Pharmacology
- BSC 1001 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
- 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 Systems
- 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
- ISC 1005C Integrated Natural Sciences II
- OCE 2001 Introduction to Oceanography
- PHY 2020 Conceptual Physics
- PHY 2038 Energy and Humanity

### 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 3700 Racism in American Society
- ANT 2000 Introduction to Anthropology
- ANT 2410 Cultural Anthropology
- ANT 3610 Anthropological Linguistics
- ASH 3404 Modern China
- ASN 3012 Japan Today
- ASN 3105 The Pacific Century
- CCJ 3003 Crime and Justice in America
- CCJ 3023 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 3100 Child Psychology
- ECO 1000 Basic Economics
- ECO 2013 Economic Principles (Macroeconomics)
- ECO 2023 Economic Principles (Microeconomics)
- EUS 3000 Europe
- EUS 3022 Russia
- GEO 2000 Global Geography
- GEB 2350 Doing Business Around the World
- GEO 1930 Geography of Current Events
- GEY 3625 Sociocultural Aspects of Aging -6A
- 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 The Political Economy of the Southern Nations
- INR 4403 International Law
- INR 4502 International Organizations
- ISS 1101 Knowledge and Society
- ISS 1102 Self and Society
- ISS 1103 Nature and Culture
- MMC 3602 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 3100 Social Philosophy -6A
- POS 2080 The American Political Tradition
- PSY 2012 An Introduction to Contemporary Psychology
- PSY 3044 Experimental Psychology
- REL 3111 The Religious Quest in Contemporary Films -6A
- REL 3117 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
- SPC 2541 Persuasion
- SPC 2600 Public Speaking
- SPC 3301 Interpersonal Communication
- SYD 3700 Racial and Ethnic Relations
- SYG 2000 Introduction to Sociology
- SYG 2010 Contemporary Social Problems
- SYP 3000 Social Psychology
- WST 2380 Human Sexual Behavior
- WST 3010 Introduction to Women's Studies
- WST 3011 Issues in Feminism
- WST 3440 Women and Social Action

### Historical Perspectives (6 hours minimum)
- AFA 4150 Africa and the United States -6A
- AFH 3100 African History since 1850
- AMH 2010 American History I
- AMH 2020 American History II
- AMH 3571 African American History to 1865
- AMH 3572 African American History since 1865
- AML 3453 Historical Perspectives in Early American
- AMS 2030 Introduction to American Studies
- AMS 2201 Colonial American Culture
- AMS 2212 Nineteenth-century American Culture
- AMS 2270 Twentieth-century American Culture
- AMS 3001 American Culture 1880-1915 -6A
- AMS 3210 Regions of America
- AMS 3260 American Culture, 1830-1860 -6A
- AMS 3370 Southern Women: Myth and Reality -6A
- AMS 3601 Material Culture and American Society
- AMS 3700 Racism in American Society
- ARH 2050 History Of Visual Arts I
- ARH 2051 History Of Visual Arts II
- ARH 3001 Introduction To Art -6A
- ARH 3454 Issues in Art
LIBERAL ARTS EXIT REQUIREMENTS
FOR UNDERGRADUATES IN ALL DISCIPLINES

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 or 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 read 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 the 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, 1999. 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>APA</td>
<td>Slavery in the Americas and the Caribbean</td>
</tr>
<tr>
<td>AFA</td>
<td>African American English</td>
</tr>
<tr>
<td>AFA</td>
<td>Black Women in America -6A</td>
</tr>
<tr>
<td>AFA</td>
<td>African American Community Research</td>
</tr>
<tr>
<td>AML</td>
<td>Zora Neale Hurston: Major Works -6A</td>
</tr>
<tr>
<td>AMS</td>
<td>Major Ideas in America</td>
</tr>
<tr>
<td>ANT</td>
<td>Fantastic Archaeology: Mysteries of the Human Past</td>
</tr>
<tr>
<td>ANT</td>
<td>Historical Archaeology -6A</td>
</tr>
<tr>
<td>ANT</td>
<td>Magic and Religion -6A</td>
</tr>
<tr>
<td>ANT</td>
<td>Gender in Cross-Cultural Perspective</td>
</tr>
<tr>
<td>ANT</td>
<td>Ethnic Diversity in the United States</td>
</tr>
<tr>
<td>ANT</td>
<td>Mexico and Central America</td>
</tr>
<tr>
<td>ANT</td>
<td>The Caribbean -6A</td>
</tr>
<tr>
<td>ANT</td>
<td>Exploring Cross-Cultural Diversity</td>
</tr>
<tr>
<td>ANT</td>
<td>The Individual and Culture -6A</td>
</tr>
<tr>
<td>ARC</td>
<td>The City -6A</td>
</tr>
<tr>
<td>ARH</td>
<td>Issues in Art</td>
</tr>
<tr>
<td>ARH</td>
<td>Modern Political Iconography</td>
</tr>
<tr>
<td>ARH</td>
<td>History of Photography -6A</td>
</tr>
<tr>
<td>BSC</td>
<td>Environmental Issues</td>
</tr>
<tr>
<td>CCE</td>
<td>Seminar in Criminology -6A</td>
</tr>
<tr>
<td>CES</td>
<td>Capstone Geotechnical/Transportation Design</td>
</tr>
<tr>
<td>CES</td>
<td>Structures and the Urban Environment for Non-Engineers -6A</td>
</tr>
<tr>
<td>CES</td>
<td>Capstone Structural/Geotechnical Design</td>
</tr>
<tr>
<td>CGN</td>
<td>Professional and Ethical Issues in Engineering</td>
</tr>
<tr>
<td>CHM</td>
<td>Historical Perspectives in Chemistry -6A</td>
</tr>
</tbody>
</table>

#### CIS 4250 Ethical Issues And Professional Conduct -6A
#### CLT 4101 Greek Literature in Translation -6A
#### CLT 3102 Roman Literature in Translation -6A
#### COM 4030 Women and Communication -6A
#### CWR 4812 Capstone Water Resources Design
#### ECH 4615 Plant Design and Optimization
#### ECO 3703 International Economics
#### ECO 4323 Radical Political Economy
#### ECP 3201 The Economics of Women and Work
#### ECP 3302 Environmental Economics
#### ECS 4003 Comparative Economic Systems
#### EDF 3228 Human Behavior and Environmental Selection -6A
#### EDF 3542 Philosophy of Education
#### EDF 3604 Social Foundations of Education
#### EEL 4906 Design Project
#### EGN 4831 Technology and Society
#### EIN 4365 Facilities Design II
#### EML 4551 Capstone Design
#### ENV 4891 Capstone Environmental Design
#### EV 4027 Wetland Environments
#### EVT 4851 Equity in Schools and the Workplace -6A
#### FRT 3001 Great French Love Stories in Translation
#### FRT 3140 French Literary Masterpieces in English Translation -6A
#### FRW 4100 The French Novel -6A
#### FRW 4101 Introduction to French Drama and Poetry -6A
#### GEB 4890 Business Policy
#### GEO 4372 Global Conservation -6A
#### GEO 4470 Political Geography
#### GEO 4604 Advanced Urban Geography
#### GET 3100 German Literature in English Translation
#### GLY 4053 Theories and Arguments about the Earth
#### GLY 4734 Beaches and Coastal Environments
#### GLY 4805 Geology and Development of Modern Africa
#### HIS 3308 War and Society
#### HIS 3938 Issues in History
#### HIS 4936 Pro-Seminar in History
#### HUM 4938 Major Issues in the Humanities
#### IDS 3115 Values and Choices -6A
#### IDS 3663 Critical Issues Affecting the Arts -6A
#### INR 3018 World Ideologies
#### INR 3033 International Political Cultures
#### INR 3054 International Human Rights
#### INR 4089 Conflict In The World
#### INR 4254 Africa in World Affairs
#### JRN 4936 Senior Seminar
#### ISS 4935 Seminar in the Social Sciences
#### LIT 3103 Great Literature of the World -6A
#### LIT 3155 Modern Literature -6A
#### LIT 3301 Cultural Studies and the Popular Arts -6A
#### LIT 3374 The Bible As Literature
#### LIT 3383 The Image of Women in Literature -6A
#### LIT 3451 Literature and the Occult -6A
#### LIT 4386 British and American Literature by Women -6A
#### LIT 4804 Literature as Cultural Study
#### MHI 4403 The Early History of Mathematics -6A
#### MHS 4052 Human Relations Skills in Counseling
#### MUF 3301 Music History/Renaissance And Classic
#### MUF 3302 Music History/Romantic And 20th Century
#### MUF 4058 Intercultural Music In The Twentieth Century
#### NGR 6080 Family and Population-Based Health Promotion
#### NGR 6121 Theoretical Basis Of Advanced Practice Nursing -6A
#### NGR 6155 Ethical, Legal, and Policy Issues in Advanced Nursing Practice -6A
#### NUR 3829 Ethical Legal Aspects in Nursing and Health Care
#### NUR 4194 An Interdisciplinary Perspective in HIV Disease -6A
#### PET 3252 Issues in Sport
#### PHH 4600 Contemporary Philosophy -6A
#### PHH 4700 American Philosophy -6A
PHI 4073 African Philosophy
PHI 4300 Theory of Knowledge -6A
PHI 4320 Philosophy of Mind -6A
PHI 4632 Feminist Ethics
PHI 4800 Aesthetics -6A
PHM 4120 Major Black Thinkers
PHM 4322 Ancient and Medieval Political Philosophy
PHM 4331 Modern Political Philosophy -6A
PHM 4340 Contemporary Political Philosophy -6A
PHP 4000 Plato -6A
PHP 4010 Aristotle -6A
PHP 4740 The Rationalists -6A
PHP 4745 The Empiricists -6A
PHP 4788 Philosophy of Marxism -6A
PHY 4031 Great Themes in Physics -6A
POS 4694 Women and Law II -5A
POT 4661 The Politics of Identity, Difference and Inequality
PUP 4323 Women and Politics -6A
REL 3114 Comedy, Tragedy, and Religion -6A
REL 3148 Womanist Vision in Religion
REL 3155 Life After Death -6A
REL 3280 Biblical Archaeology
REL 3303 Comparative Religion: Judaism and Islam
REL 3375 Issues in Caribbean Religions
REL 3485 Religion and the Meaning of Life -6A
REL 3561 Roman Catholicism -6A
REL 3602 Classics of Judaism -6A
REL 3613 Modern Judaism -6A
REL 4113 The Hero and Religion -6A
REL 4133 Mormonism in America
REL 4171 Contemporary Christian Ethics -6A
REL 4177 Comparative Religious Ethics -6A
REL 4221 Who Wrote the Bible (Genesis-Kings) -6A
REL 4272 Reason in Religion: Talmudic Logic
REL 4670 Judaism and Christianity After the Holocaust -6A
RUS 3500 Russian Civilization -6A
RUT 3110 Russian Classics in English -6A
RUT 3111 Twentieth-Century Russian Literature in English -6A
SCE 4237 Science, Technology, Society Interaction -6A
SPA 4050 Introduction to the Clinical Process
SPC 4201 Oral Tradition
SPC 4632 Rhetoric and Social Change -6A
SPC 4714 Communication, Culture and Community
SSE 4380 Global And Multicultural Perspectives in Education
SYA 4935 Senior Seminar
SYO 4430 Disability and Society
SYP 4420 Consumer Culture -6A
THE 3110 Theatre History I
THE 3120 Theatre History II
THE 4180 Theatre Origins -6A
THE 4320 The Theatre of Myth and Ritual/Northern European (950-1600) and Oriental (400-1200) -6A
THE 4330 Shakespeare For The Theatre -6A
THE 4401 O’Neill And After -6A
THE 4434 Caribbean Theatre -6A
THE 4435 Theatre Of Pluralism -6A
THE 4562 Contemporary Performance Theory -6A
WST 3225 Women, Environment and Gender
WST 4260 Research Issues on Women of Color -6A
WST 4310 Feminism in America -6A
WST 4342 Classics in Feminist Theory
WST 4350 Women and Science
ZOO 4512 Sociology

LITERATURE AND WRITING
AFS 3153 African Literature Survey -6A
AML 3604 African American Literature -6A
AML 4303 Zora Neale Hurston: Major Works -6A
AML 4624 Black Women Writers -6A
EEC 4008 Literature in Early Childhood Education -6A
EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues -6A
FRT 3140 French Literary Masterpieces in English Translation -6A
FRW 4100 The French Novel -6A
LAE 4414 Literature in Childhood Education -6A
LAE 4416 Teaching Literature and Writing in the Elementary Grades -6A
LAE 4464 Adolescent Literature for Middle and Secondary Students -6A
LIT 3073 Contemporary Literature -6A
LIT 3103 Great Literature of the World -6A
LIT 3155 Modern Literature -6A
LIT 3301 Cultural Studies and the Popular Arts -6A
LIT 3383 The Image of Women in Literature -6A
LIT 3451 Literature and the Occult -6A
LIT 4386 British and American Literature by Women -6A
NUR 4194 An Interdisciplinary Perspective in HIV Disease -6A
POT 4109 Politics and Literature -6A
REL 3613 Modern Judaism -6A
REL 4177 Comparative Religious Ethics -6A
REL 4221 Who Wrote the Bible (Genesis-Kings) -6A
REL 4670 Judaism and Christianity After the Holocaust -6A
RUT 3110 Russian Classics in English -6A
RUT 3111 Twentieth-Century Russian Literature in English -6A
SYA 4330 Qualitative Inquiry -6A
YP 4420 Consumer Culture -6A
THE 4180 Theatre Origins -6A
THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200) -6A
THE 4330 Shakespeare For The Theatre -6A
THE 4360 The 19th Century Theatre Revolution -6A
THE 4401 O’Neill And After -6A
THE 4434 Caribbean Theatre -6A
THE 4435 Theatre Of Pluralism -6A
THE 4442 The Comedy Of The Classic And Neo-Classic Stage -6A
THE 4562 Contemporary Performance Theory -6A
WST 4262 Literature by American Women of Color -6A
WST 4263 Third World Women Writers -6A

"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 Languages
- Italian
- 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 Chemistry
- Sciences
- Environmental Science
- Mathematics
- and Policy
- Medical Technology
- Geology
- Microbiology
- Modern 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 Anthropology
- Sciences
- Criminology
- International Studies
- Economics
- Political Science
- (Social Sciences)
- Psychology
<table>
<thead>
<tr>
<th>Cluster 4: Business</th>
<th>Social Work</th>
<th>Social Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Management Information</td>
<td></td>
</tr>
<tr>
<td>Economics (Business)</td>
<td>Systems</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>Management</td>
<td></td>
</tr>
<tr>
<td>General Business</td>
<td>Marketing</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Chemical Engineering</th>
<th>Industrial &amp; Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>Engineering</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Information Systems</td>
</tr>
<tr>
<td>Computer Science</td>
<td>(Engineering)</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Mechanical Engineering</td>
</tr>
</tbody>
</table>

**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 6-8. (See exceptions below for students in Art Education, Drama Education, Dance Education or Music Education.)

<table>
<thead>
<tr>
<th>Art</th>
<th>Music</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>Theatre</td>
</tr>
<tr>
<td>Dance</td>
<td></td>
</tr>
</tbody>
</table>

**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.)

<table>
<thead>
<tr>
<th>Behavior Disorders</th>
<th>Industrial-Technical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business and Office Education</td>
<td>Education</td>
</tr>
<tr>
<td>Distributive Education</td>
<td>Mental Retardation Education</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>Science Education</td>
</tr>
<tr>
<td>English Education</td>
<td>Social Studies Education</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>Specific Learning</td>
</tr>
<tr>
<td>Education</td>
<td>Disabilities Education</td>
</tr>
</tbody>
</table>

**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.
- Dance Education - a certified course from either Education or Fine Arts Cluster can meet the criterion.
- Bachelor of Independent Studies - a certified course from any 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 have not taken CLEP prior to their arrival on campus or (b) who have failed but wish to repeat the test should take a CLEP prior to 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 the sequence by the first semester of his/her sophomore year.

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 take a CLEP prior to 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 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 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; 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 General Education, Liberal Arts requirements; complete residency requirements; complete program requirements as determined by the college; 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) all 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 in 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**: These 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**:

- Africana Studies (AFA) (B.A.)
- American Studies (AMS) (B.A.)
- Anthropology (ANT) (B.A.)
- Biology (BIO) (B.S.)
- Cell and Molecular (CAM) (B.S.)
- Ecology (ECL) (B.S.)
- Marine (MRN) (B.S.)
- Physiology (PGY) (B.S.)
- Chemistry (CHM) (B.A.)
- 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 (SPM) (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 (JVJ) (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 (EVS) (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 (NUM) (B.A.)
- Interdisciplinary Classics (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.)
### College of Engineering:
- Chemical Engineering (ECH) (B.S.C.H.)
- Civil Engineering (CEC) (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.E.)
- Engineering Science (EGO) (B.S.E.S.)
- Industrial Engineering (IEI) (B.S.I.E.)
- Information Systems (EIS) (B.S.I.S.)
- Mechanical Engineering (EME) (B.S.M.E.)

### College of Fine Arts:
- Art (ART) (B.A.)
- Art History (AHI) (B.A.)
- Art Studio (ARS) (B.A.)
- Art Education (ARE) (B.A./B.S.)
- Dance (DAN) (B.A./B.F.A.)
- Ballet (BDB) (B.A./B.F.A.)
- Modern (DMJ) (B.A./B.F.A.)
- Dance Education (DEE) (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/TAE) (B.A./B.F.A.)
- Arts (TAA) (B.A.)
- Design (TAD) (B.A.)
- Performance (TAP) (B.A.)
- Theatre Education (TAE) (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 Classics
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

If the student cannot meet all of the graduation requirements specified in the catalog of his/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 required for graduation. (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 Sci-
cences).

Application for Graduation
In order to graduate, a student must submit an applica-
tion 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 gradu-
atation 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 de-
sired.

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
contains one copy, and the student must submit the remai-
ning 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.

The student’s responsibility to clear all “I” grades
(incompletes) in courses required for graduation and to pro-
vide 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, stu-
dents must have a 3.500 GPA before the term in which they plan
to graduate to have honors recognized publicly at the com-
mencement 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 stu-
dent 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 might 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 com-
plete to the satisfaction of the faculty so that certification of
completion may be posted to the student’s record.

Procedures for Award of Posthumous Degrees for
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 recom-
end 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. Under-
graduate 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
3.500 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 3.500 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
calculating the GPA for honors.

Candidates with a USF GPA of 3.500 or higher and an overall
GPA of 3.500 but below 3.700 shall receive a diploma designa-
tion of cum laude (with honor).

Candidates with a USF GPA of 3.500 or higher and an overall
GPA of 3.700 but below 3.900 shall receive a diploma designa-
tion of magna cum laude (with high honor).

Candidates with a USF GPA of 3.900 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 rounded up when determining honors
at graduation (e.g., 3.699 is not the same as 3.700).

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

To receive information regarding the commencement ceremo-

nies, students must submit an application to graduate. Infor-
mation 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 doc-
torates) 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 completed 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 for 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. Privacy in their education records
3. 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 or USF Agency Clerk
   - SVC 1034 Office of the General Counsel
   - 4202 Fowler Avenue 4202 Fowler Avenue -ADM 254
   - Tampa, Florida 33620 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.
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, see 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.

TRANSIENT STUDENTS

USF degree-seeking students who wish to enroll at another regionally accredited institution MUST 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 program 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 ENC 1101 & ENC 1102
- Mathematics MAC 1105 & MGF 1106

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 examination 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 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 Area</th>
<th>CLEP Subject Area Examinations</th>
<th>USF Course(s)</th>
<th>Cr. Hrs.</th>
<th>Qual. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>American Gov't</td>
<td>POS 2041</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>U.S. Hist. I**</td>
<td>AMH 2010</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>U.S. Hist. II**</td>
<td>AMH 2020</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>West Civ. I**</td>
<td>EUH 12030</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>West Civ. II**</td>
<td>EUH 12031</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>AML 3031, 3032</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Anal. &amp; Interp.</td>
<td>LIT 2000, 2010</td>
<td>6</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Eng. Lit.</td>
<td>ENL 3273</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Coll. Comp.**</td>
<td>ENC 1101, 1102</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Business</td>
<td>CGS 2100</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Info. Sys./Comp. Apps.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Princ. Acctg.</td>
<td>ACG 2021, 2071</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Intro. Bus. Law</td>
<td>BUL 3320</td>
<td>3</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Princ. Man.</td>
<td>MAN 3025</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Princ. Macroc.</td>
<td>ECO 2013</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Princ. Microe.</td>
<td>ECO 2023</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Princ. Mkt.</td>
<td>MAR 3023</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Natural Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gen. Chem.</td>
<td>CHM 2045, 2046</td>
<td>6</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Math</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Calc./Elem. Fn.**</td>
<td>MAC 2233</td>
<td>4</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Coll. Alg.**</td>
<td>MAC 1105</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Coll. Alg./Trig.**</td>
<td>MAC 1147</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Trigonometry**</td>
<td>MAC 1114</td>
<td>2</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Social Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intro. Educ. Psych.</td>
<td>Elective</td>
<td>3</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Intro. Psych.**</td>
<td>PSY 2012</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Hum. Gr. &amp; Dev.**</td>
<td>DEF 3103</td>
<td>3</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Intro. Soc.**</td>
<td>SYO 2000</td>
<td>3</td>
<td>50</td>
</tr>
</tbody>
</table>

NOTE: Credit is awarded for scores above the fiftieth percentile. For information regarding discontinued exams not listed, contact Evaluation & Testing at 974-5268.

**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 and 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 Test and Course Equivalents at USF</th>
<th>AP Exam</th>
<th>USF Equivalent</th>
<th>Cr. Hrs.</th>
<th>Qual. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Exam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>ARH 2050</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>ARH 2050, ARH 2051</td>
<td>6</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Art 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 + 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>BSC 2010, BSC 2010L</td>
<td>6 + 2</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>4</td>
<td>3, 4, or 5</td>
<td></td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>4</td>
<td>3, 4, or 5</td>
<td></td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311, MAC 2312</td>
<td>8</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 2045</td>
<td>3 or 4**</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 2045, CHM 2046</td>
<td>6** or 8**</td>
<td>4 or 5</td>
<td></td>
</tr>
<tr>
<td>Computer Sci. A</td>
<td>CGS 2065**</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 &amp; Composition</td>
<td>ENC 1101</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
58 ACADEMIC PROGRAMS AND SERVICES
UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

English Language & Composition ENC 1101, ENC 1102 6 4 or 5
English Literature ENC 1101 3 3
English Literature & Composition ENC 1101, ENC 1102 6 4 or 5
Economics: Macro. ECO 2013 3 3, 4, or 5
Economics: Micro. ECO 2023 3 3, 4, or 5
Environmental Sci. EVR 2001, EVR 2001L 4 3, 4, or 5
French Language FRE 2200 3 3
French Language FRE 2200, 2201 6 4 or 5
French Literature FRE 3230 3 3, 4, or 5
German Language GER 2200 3 3
German Language GER 2200, GER 2201 6 4 or 5
Geography: Human Geog. (2001) GEO 3402 3 3, 4, or 5
Govt. and Politics: Comparative CPO 2002 3 4 or 5
Govt. and Politics: United States POS 2041 3 4 or 5
History: European EUH 2030 3 3
History: European EUH 2030, EUH 2031 6 4 or 5
History: U.S. AMH 2010 3 3
History: U.S. AMH 2010, AMH 2020 6 4 or 5
Internat. English Language ELN 1483 3 3, 4, or 5
Latin: Latin Lit. (Catullus-Ciceri) LNW 4634 or LNW 4644 4 3, 4, or 5
Latin: Latin Lit. (Catullus-Horace) LNW 4654 or LNW 4644 4 3, 4, or 5
Latin: Latin Lit. (Vergil) LNW 2660 4 3, 4, or 5
Music Theory MUS 1111, 1241 4**** 4, or 5
Physics B (Noncalculus) PHY 2053 3**** 3
Physics B (Noncalculus) PHY 2053, PHY 2054 6**** 4 or 5
Physics C (Mechanics) PHY 2048 3**** 3
Physics C (Mechanics) PHY 2048, PHY 2049 6 4 or 5
Physics C (Elect./Magn.) PHY Elective 3 3, 4, or 5
Physics C (Elect./Magn.) PHY Elective 4 4 or 5
Psychology PSY 2012 3 3, 4, or 5
Spanish Language SPN 2200 3 3
Spanish Language SPN 2200, SPN 2201 6 4 or 5
Spanish Literature SPW 3030 3 3, 4, or 5
Statistics STA 2022 3 3, 4, or 5

*Plus satisfactory portfolio review.
**Laboratory credit (CHM2045L or CHM2046L) is not automatically granted, but may be when specific information concerning secondary school lab program is provided.
***As of May, 1996 C++ is the language being assessed (not BASIC); prior to May 1999, the language was PASCAL.
****Pending results of Music Theory Placement Test.
*****Plus satisfactory grade on USF Department of Physics test covering thermodynamics, wave motion, sound, and optics.

ACADEMIC PROGRAMS

ENGLISH PROGRAMS

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.

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 a 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: SOC 341, (813) 974-8452

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.
STATE UNIVERSITY SYSTEM, EXTERNAL DEGREE PROGRAM

BACHELOR OF INDEPENDENT STUDIES (BIS)

Location/Phone: FAO 285, (813) 974-4058

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@nvrm.nerd.cfl.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.

WASHINGTON, D.C. INTERNSHIP PROGRAM

Location/Phone: SOC 338, (813) 974-8452

All USF undergraduates seeking to live and learn in the nation’s capital are eligible to apply for the Washington, D.C. Internship Program. Students participate in either the fall, spring or summer semesters and can earn course credit. Study in Washington, D.C. 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 vast array of non-profit and for-profit options.

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 338. For details on the USF Washington, D.C. Internship Program, please contact Robin Jones, Faculty Liaison for the Washington, D.C. 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 values 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 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.

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 choose from a wide variety of academic programs offered at overseas study sites. These programs exist in various models. More than one dozen on-going USF programs in Western and Central Europe, the Caribbean, and Central and South America are directed and led by USF Instructors, primarily during the summer. 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 in which USF participates, or they may choose to enroll directly in foreign host institutions for equivalent USF course credit or credit transferable to USF. Year-round 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 whether the course of study they plan to pursue will allow them to fulfill degree requirements. The USF Overseas Study Programs 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 Overseas Study Programs Office and Overseas Information Center provide information on study abroad, study abroad resources, and advise students on how to plan for a successful study abroad experience.

The following overseas study programs are administered by USF under the auspices of the Overseas Study Programs Office or the University’s International Affairs Council:

* A six-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 Overseas Study Programs 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/Moorea.

The programs described in this section are approved study-abroad programs and all carry USF credits.

The University of South Florida also offers reciprocal exchange programs for students in the following countries: Australia, Brazil, China, Costa Rica, England (10 universities), Estonia, France (6 universities), Israel, Italy, Japan, Korea, Mexico (4 universities), the Netherlands, Russia, Scotland, Spain, Sweden, Venezuela, and Wales.

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 Australia, China, Denmark, 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, 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.

Please contact the Overseas Study Programs Office for information about these and other programs as well as advising on study abroad.

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 1200 international students at the university. The ISSS has many administrative duties including the issuance and maintenance of visa documentation for international students 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: elimain@luna.cas.usf.edu
Website: http://www.cas.usf.edu/elil/

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, business English, 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
Website: 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 25,000 outreach courses (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. Asynchronous 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 web site 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 four primary areas of support: faculty, students, courses, 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, two-way video/audio courses, telecourses, videotapes, and one-way video/two-way audio studio classroom instruction. These applications of technology expand access for students constrained by time and/or place.

Educational Outreach provides additional faculty support through its participation in USF’s Teaching, Learning and Technology Roundtable (TLTR) and 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 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, televisor/TV-based courses, and other offerings (previously referred to as Open University) 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) 974-2896, send e-mail to: distance@outreach.usf.edu, or visit our web site 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 and 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.

Technology in the Classroom Support provides access to standard and state-of-the-art classroom 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. Specially equipped distance learning classrooms have been expanded to include fully interactive videoconferencing environments at all four USF campuses. These new capabilities also enhance USF’s K-12 community college, civic, and corporate partnerships by expanding educational opportunities throughout the 10-county service region, and beyond.

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) 974-2996
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.

Initial offerings at the USF Downtown Center include the Master of Business Administration (MBA), Master of Public Administration (MPA), and MS in Information Systems (MS/MIS), as well as a variety of noncredit programs. Find out how easy it is to register for classes by touch-tone phone or web.

The Downtown Center is located on 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. In downtown Tampa, follow the signs to the Arena, Aquarium, and Seaport area.

USF North Pinellas
Phone: (813) 974-2996
Email: distance@outreach.usf.edu
Website: http://www.outreach.usf.edu

In northern Pinellas County, students now have three locations to access 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 all locations 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.

USF at Pasco-Hernando Community College
Phone: (813) 974-2996
Website: 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 Educational 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, or recorded on compact disk and CD-ROM. These online 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 for more 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 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.

Non-credit Training and Professional Development

Educational Outreach promotes workforce and economic development through customized training and a wide range of personal and professional development opportunities. Primary programming divisions include Community Music, 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 Summerplay: 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, which is free to participants, serves youth and their families in the University Community Area.

A Pre-college Directory describing USF Pre-college activities and programs has recently been published and can be obtained by contacting USF Pre-college and Community Outreach at 4202 E. Fowler Ave., MHH 166, Tampa, FL 33620-6756, (813) 974-6889.

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 sponsors. 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. Over 6,000 people participated in DCI programs during 1996-97.

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) 974-5732; 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 and Workshop, ongoing classes in writing, the publication of Sunscripts: Writing from the Florida Suncoast Conference and Workshop, 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 further 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
ACADEMIC PROGRAMS AND SERVICES

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 WebULUIS, the online catalog; 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 access to reference assistance via the Virtual Library at http://www.lib.usf.edu/virtual/

WebULUIS, 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 procedures.

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 library. Online and electronic resources are available at reference and circulation services desks.


TAMPA LIBRARY

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 classrooms. Access to electronic information via the Virtual Library includes WebULUIS, 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.

CAL/ULSF, 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 newstand items 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 Periodicals Microform Room. WebULUIS 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. This collection is augmented by the acquisition of selected publications

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) 974-2243
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
Polk 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
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 John 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 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/spccoll/

Access Services (circulation, interlibrary services, reserve): Access Services is located on the first floor. The Reserve collection, containing books and articles Areserval@ 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 obtain materials from other libraries upon request. Thus students have access to resources beyond the onsite 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 maintained with Academic Computing as an open-use lab with facilities for word processing, electronic mail, and printing.


ACADEMIC COMPUTING

Web Site: http://www.acomp.usf.edu
Helpdesk: LIB 608, phone: (813) 974-1222, email: helpac@usf.edu, web: http://help.acomp.usf.edu
AC Open-Use Lab: LIB 125, phone: 974-7616
AC Trainers: LIB 618A, 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://sholar.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 http://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 intense applications, the mathematical packages, and certain statistical programming languages.

INFORMATION TECHNOLOGIES/CFRDC

Phone: (813) 974-9000
Web Address: http://uswusb.usf.edu/usflt/

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 as well as a level of I & R Computing. CFRDC is a division within Information Technologies (IT) and is supported by a combination 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 MVS operating system environment, in addition to several SUN UNIX machines, and numerous NT servers supporting e-mail 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.

PUBLIC BROADCASTING

WUSF-TV (Channel 16, Tampa) is a noncommercial member assisted educational television station serving the communities 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 to 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 with 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 regulations, USF’s own internal award 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 reviewing hazardous 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 mental health services 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 public mental health services. The Institute’s training and consultation activities are provided for a variety of audiences including mental health and health care professionals, the Florida legislature, administrators, policy makers, planners, consumers, students, and the public.

The Institute provides continuing education opportunities for mental 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.
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 ideals, 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 embrace 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.

For more information about CASMAR, check the CAS website or call (813) 974-6916.

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) 424-8531 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.

For more information about CASMAR, check the CAS website or call (813) 974-6916.

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 Pre-medical, Pre-dental, Pre-podiatry, Pre-veterinary, and other Health Pre-professional students. 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 career 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 Study 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 portion 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 20 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 science 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. The departments of 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. In addition, all students who have majors in arts and letters and in the social sciences must take a minimum of 80 hours (90 for Mass Communications) outside of the major department.
16. Students must satisfy CLAST (College Level Academic Skills Test).
17. Transfer credit for MAT 1033 will only be acceptable towards a bachelor's degree in the College of Arts and Sciences if it was earned as part of an Associate of Arts degree awarded by a public community college in the State of Florida or is part of a Florida public community college transcript which explicitly indicates that general education or general distribution requirements have been met.

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 courses, the College of Arts and Sciences offers minors in the following departments/programs: Africana Studies, American Studies, Anthropology, 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) some minors 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, Independent Studies, Interdisciplinary Social Sciences, International
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, Communications Sciences and Disorders, 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 implementation, but they can be added at any time during the term.

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)

Languages:
- CHI 1120 (4)
- CHI 1121 (4)
- CHI 2200 (4)
- CHI 2201 (4)
- CHI 4905 (1-5)
- CHI 4930 (1-5)

Religion:
- REL 3330 (3)
- REL 3434 (4)
- REL 3350 (3)
- REL 4333 (4)
- REL 4344 (4)
CERTIFICATE IN CORRECTIONS

The Department of Criminal Justice offers a certificate in corrections. This certificate is recognized by the Florida Criminal Justice Standards and Training Commission (FCJSTC) and by the Florida Department of Corrections (FDOC) as satisfying some of the Basic Recruit Training objectives for Correctional Probation Officers (CPO). This certificate program consists of 21 semester hours comprised of the following courses: CCJ 3024 (3) CCJ 4282 (3) CCJ 4316 (3) CCJ 4331 (3) CCJ 4341 (3) CCJ 4360 (3) and CCJ 4940 (3). Students must receive approval from the department prior to starting their coursework within this certificate program. The program is open to all USF students including criminal majors and minors as well as to persons who have already received their baccalaureate degrees. All of the required coursework within this certificate program must be taken at USF and all additional training requirements must be taken at FCJSTC approved program in order to qualify as a Florida Correction Probation Officer. Students working toward corrections certification are also subject to the Department’s “2 D” rule.

Information and advice about the certificate program may be obtained from Lisa Landis, 813-974-6217, SOC 322, or John Cochran, 813-974-9569, SOC 322.

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 Affairs, 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 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
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 3480 History of Cuba
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 3930 Afro-American History & I II

4) Art/Humanities/Literature
ARH 4796 Latin American Art History
SPN 3520 Spanish America Civilization*
SPN 5135 Colonial Spanish American Literature
SPN 5225 Modern Spanish American Literature
SPT 2524 Women Writers of Latin America
SPW 3030 Introduction to Hispanic Literature
SPW 4131 Survey of Spanish American Literature

5) Others
ECO 4935 Selected Topics: Economics of Latin America
REL 3375 Issues in Caribbean Religion
SSE 4380 Global & Multicultural Perspectives in Education

***Field School
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: klene@luna.cas.usf.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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUS 3000</td>
<td>Europe</td>
</tr>
<tr>
<td>GEA 3500</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>EUH 3206</td>
<td>History of Twentieth Century</td>
</tr>
</tbody>
</table>
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:

- 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 in 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
ENL 3332 Late Shakespeare
LIT 3102 Literature of the Western World II

C. History (1-4)

EUH 3142 Renaissance and Reformation
EUH 3202 History of 17th and 18th Century Europe
EUH 3205 History of 19th Century Europe
EUH 3206 History of 20th Century Europe
EUH 3461 German History to 1970
EUH 3462 German History 1970 to Present
EIH 3501 British History to 1688
EIH 3502 British History 1688 to Present
HIS 3930 Special Topics
HIS 4900 Directed Reading

D. Humanities and American Studies (1-4)

HUM 4437 Italian Renaissance Culture
HUM 4438 Northern Renaissance Culture
HUM 4440 Arts and Letters in the 17th and 18th Centuries
HUM 4442 Arts and Letters of the Romantic Period
HUM 4444 19th Century European Arts and Letters
HUM 4445 20th Century European Arts and Letters
HUM 4905 Directed Study
HUM 4941 Study on Location

E. Government and International Affairs (3)

CPO 4930 Comparative Government and Politics
INR 3955 Overseas Study
POS 3931 Selected Topics
POS 4905 Independent Study
POT 4054 Modern Political Theory

F. Languages and Linguistics (1-4)

- Reading in French Literature and Culture
- French for Business
- French Civilization
- Introduction to French Novel
- Introduction to French Drama and Poetry
- Directed Study
- Selected Topics

G. Philosophy (3)

PHH 3420 History of Philosophy
PHH 4440 Continental Philosophy
PHM 4331 Modern Political Philosophy
PHP 3786 Existentialism
PHP 4410 Kant
PHP 4740 The Rationalists
PHP 4745 The Empiricists

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

Twelve hours from the following courses, 8 of which must be in language:

- Russian Language and Culture (1-3)
- Russian Language and Culture (Russian or another Slavic language)
- Russian Language and Culture (Slavic language)
- Russian Language and Culture (20th Century Russian Literature)
- Russian Language and Culture (20th Century Russian Literature in Translation)
- Russian Language and Culture (20th Century Russian Literature in Translation)
- Russian Language and Culture (20th Century Russian Literature in Translation)
COLLEGE OF ARTS AND SCIENCES

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

RUS 2270 Overseas Study (1-6)
RUS 3470 Overseas Study (1-6)
RUS 4471 Overseas Study (1-6)

History-Political Science-Economics.
Six to eight hours from the following courses:
CPO 3002 Introduction to Comparative Politics (4)
ECO 4323 Marxist Political Economy (3)
ECO 4335 Russian Political Economy (3)
EHU 3571 Russian History to 1865 (4)
EHU 3572 Russian History from 1865 to Present (4)

International Studies- Geography- Philosophy.
Six to eight hours from the following courses:
EUS 3022 Russia (3)
GEA 3554 Geography of the USSR (4)
INR 5086 Issues in International Relations (3)
INR 3018 World Ideologies (3)
INR 3770 Comparative Military Systems (3)
PHP 4788 The Philosophy of Marxism (4)
INR 4900 Directed Readings* (1-4)
INR 4910 Directed Research* (1-4)
INR 3955 Overseas Study* (1-6)
INR 4931 Selected Topics* (1-4)
*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)
And 2 of the following:
ANT 4442 Urban Life and Culture (3)
ECP 3613 Economics of the Urban Environment (3)
GEO 3602 Urban Geography (4)
ISS 3930 Community Study (3)
POS 3142 Introduction to Urban Politics and Government (3)
RUS 3470 Russian Political Economy (3)
SYD 4410 Urban Sociology (3)
ISS 4162 City and Urbanization (3)

Courses may have prerequisites within the discipline.

2) Methods Courses (select 1 of the following: 3-4 credits)
ANT 4495 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 4114C Geographic Techniques and Methodology (4)
GEO 3164C Quantitative Methods (4)
Courses may have prerequisites within the discipline.

3) Electives (select 4 from the following list or from the CORE COURSES not counted above: minimum of 12 credits)

African Studies
AFS 4331 Social Institutions and the African-American Community (3)
AMH 3572 African American History since 1865 (3)
AMS 3700 Racism in American Society (3)
AFS 4335 Black Women in America (3)
AFS 4931 Social and Cultural Issues in Black Urban Life (3)
PUP 3313 Blacks in the American Political Process (3)

Anthropology
ANT 4176 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)

Architecture
ARC 4784 The City (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)
ECP 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 3800 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 Tampa (3)
HIS 3930 Special Topics: The History of St. Petersburg (3)

Humanities and American Studies
AMS 3700 Racism in American Society (3)

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
SOCW 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)
SYF 4510 Sociological Aspects of Deviance (3)
SYF 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)
IDS 4842 CEL Community Internship (3)
IDS 4956 CEL International Community Internship (3)
POS 4941 Field Work (3)
SYA 4949 Sociological Internship (3)

Information and advice about the certificate program may be obtained from Robin R. Jones. Call (813) 974-8452 or email jonesr@chumaf1.cas.usf.edu. The Office is located in SOC 338.

HEALTH PROFESSIONS

The University of South Florida is an excellent location to prepare for a health profession. The Veterans Administration Hospital, University of South Florida Medical Center, Shriner's 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, dentistry, optometry, podiatry, veterinary medicine, pharmacy, and physical therapy. Usually 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.

The College of Arts and Sciences provides academic advising in the Science Advising Center. 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, and each semester the office provides students with updated academic records. 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 faculty evaluations.

PRE-DENTAL/PRE-MEDICAL/PRE-PODIATRY PROGRAM

This program is designed to prepare students for admission to professional schools of dentistry, medicine, osteopathic medicine, and podiatric medicine. 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 (3.1) BSC 2011, 2011L (3.1)

Chemistry
CHM 2045 (3) CHM 2210 (3)
CHM 2045L (1) CHM 2210L (2)
CHM 2046 (3) CHM 2211 (3)
CHM 2046L (1) CHM 2211L (2)

Physics
PHY 2053 (3) or PHY 2048 (3)
PHY 2053L (1) or PHY 2048L (1)
PHY 2054 (3) or PHY 2049 (3)
PHY 2054L (1) or PHY 2049L (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 acceptable to professional schools.

Some professional schools recommend the following courses:

Biology
MBC 3030C General Microbiology (4)
PCB 3023, 3023L Cell Biology (3.1)
PCB 3063, 3063L General Genetics (3.1)
PCB 4723, 4732L Animal Physiology (3.1)
PCB 5235 Principles of Immunology (3)
ZOO 4603 Animal Embryology (4)
ZOO 4753C Histology (4)

Chemistry
BCH 3023 Introductory Biochemistry (3)
BCH 4034 Advanced Biochemistry (3)
CHM 3120C Elementary Analytical Chemistry (4)
CHM 3400 Elementary Physical Chemistry I (3)
CHM 3401 Elementary Physical Chemistry II (3)

About University of Florida Dental School
An early admission program has been established in affiliation with the University of Florida College of Dentistry, which would allow students to be admitted to dental school after three years at the University of South Florida, completing a baccalaureate degree and dental school in a total of seven years. In order to be eligible for early admission to the College of Dentistry, a high school student must be accepted by the University of South Florida and must meet the following requirements: overall high school GPA of no less than 3.5, as computed by the University of Florida; total SAT of no less than
1260, or ACT of no less than 29, high school science gpa of no less than 3.5 with courses completed in both biology and chemistry; apply during the senior year of high school and be approved for admission by the College of Dentistry Admissions Committee following a formal interview. Following admission into the joint program, final acceptance to the College of Dentistry is contingent upon the student completing all required courses; earning a gpa of no less than 3.4 for all courses attempted and no less than 3.2 for courses in biology, chemistry, physics, and mathematics; and completing the Dental Admissions Test with a score of no less than 16 on each section of the test. It is also possible for students to apply for early admission during the freshman and sophomore years at the University of South Florida. Additional information is available in the Science Advising Center.

The University of Florida recently added the following required and recommended courses for pre-dental students:

**Required:**
- MBC 3030C General Microbiology (4)
- BCH 3023 Introductory Biochemistry (3)
- PCB 3063, 3063L General Genetics (3,1)

**Strongly Recommended:**
- PCB 5235 Principles of Immunology (3)
- MAC 2233 Elementary Calculus I (4)
- STA 2023 Introductory Statistics (4)
- Logic
- Sociology (emphasis on Diversity)

**Recommended:**
- Business management
- Conversational Spanish
- Speech

**PRE-OPTOMETRY PROGRAM**

Optometry schools differ somewhat in requirements, but all optometry schools require at least two years of pre-optometry studies, and most schools require the following courses:

**Biology**
- BSC 2010, 2010L Biology I: Cellular Processes (3,1)
- BSC 2011, 2011L Biology II: Diversity (3,1)
- MBC 3030C General Microbiology (4)

**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)

**Mathematics**
- MAC 2233 Elementary Calculus I (4)
- STA 2023 Introductory Statistics (4)
- STA 2122 Social Sciences Statistics (3)

**Physics**
- PHY 2053, 2053L General Physics I (3,1)
- PHY 2054, 2054L General Physics II (3,1)

Many schools also require at least one semester of psychology (PSY 212). Students should check requirements of individual schools and complete requirements for those schools where they plan to apply for admission.

A joint program between USF and Nova-Southeastern University College of Optometry allows students to complete a baccalaureate degree and doctor of optometry degree in a seven-year program. Freshmen may apply for the joint program by applying for admission to USF and also applying for admission to Nova-Southeastern. To be eligible for admission, students must meet all admission requirements for USF, and in addition must have an SAT minimum score of 1100, an ACT minimum of 25 or an EACT minimum of 27; a minimum high school GPA of 3.3; three years of high school science including biology and chemistry, and high school mathematics through algebra and trigonometry. Once admitted, the program students must earn a minimum GPA of 3.0 each term and satisfactorily complete required courses and the Optometry Admissions Test. Students must be Florida residents by the time they enter Nova-Southeastern.

**PRE-VETERINARY MEDICINE PROGRAM**

The pre-veterinary medicine program meets admission requirements of the University of Florida College of Veterinary Medicine, 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 following entrance requirements:

**Biology**
- BSC 2010, 2010L Biology I: Cellular Processes (3,1)
- BSC 2011, 2011L Biology II: Diversity (3,1)
- MBC 3030C General Microbiology (4)

**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)
- BCH 3023 Introductory Biochemistry (3)

**Mathematics**
- MAC 2233 Elementary Calculus I (4)
- and
- MAC 2234 Elementary Calculus II (4)
- and
- MAC 2311 Calculus I (4)
- and
- STA 2023 Introductory Statistics (4)

**Physics**
- PHY 2053, 2053L General Physics I (3,1)
- and
- PHY 2054, 2054L General Physics II (3,1)
- and
- PHY 2048, 2048L General Physics I (Calculus Based) (3,1)
- and
- PHY 2049, 2049L General Physics II (Calculus Based) (3,1)

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 at UF, Introduction to Animal Science, and Animal Nutrition. Students usually take these in the summer before beginning Vet School; these 8 hours can be counted in the 80.

**B.A. DEGREE FOR STUDENTS ACCEPTED FOR EARLY ADMISSION TO PROFESSIONAL SCHOOLS**

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 those described above or the University Honors Program.

Recommended Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students are encouraged to complete the A.A. degree and include the following courses, if available, during the program of study at the community college:

- One year each, if offered, of:
General Biology (BSC 2010, 2010L and BSC 2011, 2011L) 8
General Chemistry (CHM 2045, 2045L and CHM 2046, 2046L) 8
Organic Chemistry (CHM 2210, 2210L and CHM 2211, 2211L) 8-10
General Physics (PHY 2053, 2053L and PHY 2054, 2054L or PHY 2048, 2048L) 8

College Mathematics
(some schools require calculus) 8

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.

There are no State Mandated Common Prerequisites for this degree program.

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 in science courses from an accredited medical or dental school.
2. Fulfillment of the following minimum requirements in attendance at the University of South Florida:
   a. 90 hours with at least a “C” average (2.00).
   b. Completion of a minimum of 24 hours in the department of major concentration and a minimum of 16 hours in supporting courses in science outside the department of major concentration. The 24 hours in the department of major concentration must be in courses applicable to a major in that department. The 16 hours in supporting courses must also be taken in courses applicable to a major in that department and must include a minimum of two courses at the 3000 level or above. At least a “C” must be earned in each course in both major concentration and supporting courses.
3. Credit in the following courses:
   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)
   PHY 2048, 2048L General Physics I (Calculus Based) (3,1)
   and PHY 2049, 2049L General Physics II (Calculus Based) (3,1)
4. A minimum of 20 credits from the following courses:
   Biology
   MBC 3030C General Microbiology (4)
   PCB 3023, 3023L Cell Biology (3,1)
   PCB 3063, 3063L General Genetics (3,1)
   PCB 4723, 4732L Animal Physiology (3,1)
   PCB 5235 Principles of Immunology (3)
   ZOO 4603 Animal Embryology (3)
   ZOO 4753C Histology (4)
   NOTE: Students in the University Honors Program who are admitted early to USF’s College of Medicine should not take PCB 4723, 4723L. They will complete Physiology at the College of Medicine in the spring of the junior year and will receive 6 semester hours of credit in place of PCB 4723, 4723L listed above.

Chemistry
   BCH 3023 Introductory Biochemistry (3)
   CHM 3120C Elementary Analytical Chemistry (4)
   CHM 3400 Elementary Physical Chemistry I (3)
   CHM 3401 Elementary Physical Chemistry II (3)

Mathematics
   MAC 2233 Elementary Calculus I (4)
   MAC 2234 Elementary Calculus II (4)
   STA 2023 Introductory Statistics (4)
   or MAC 2132 College Algebra and Trigonometry (4)
   MAC 2311 Calculus I (4)
   MAC 2312 Calculus II (4)
5. Completion of the university’s Liberal Arts requirements and foreign language requirement for the B.A. degree.
6. The last 30 credit hours prior to transfer to a medical or dental school in residence at the University of South Florida. Application for the baccalaureate degree must be received no later than two years from the date of entrance into the professional school.

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.

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 (MTH), Biology (NSB), Physics (NSP), and in Social Science Education (SSE). Because requirements exist in both colleges, a student will have an advisor in each college. At the outset, the student’s advisor in the College of Arts and Sciences must approve the planned courses in mathematics and science.

There are two options available to the student to satisfy the science portion of the program:
1. The student may complete the requirements of the departmental major. The departmental requirements of Biology, Chemistry, Mathematics, and Physics are found in this section of this catalog under the respective headings in Biology, Chemistry, Mathematics, and Physics.
2. The student may complete requirements of the Interdisciplinary Natural Sciences major with concentration in Biology, Chemistry, Physics, and Mathematics. A complete description of this major is found in this section of this catalog under the heading Interdisciplinary Natural Sciences.

Prospective students should consult the College of Education portions of this catalog under the heading "Science Education (SCE)" or "Social Science Education (SSE)" for the required education courses and sample programs.

DEPARTMENTS AND PROGRAMS

• AFRICANA STUDIES (AFA)
  Africana 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), Africana 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 freshman 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.

AFA2000 Introduction to the Black Experience (3)
AFA 2250 Culture and Society in Africa (3)
AMH 3571 Afro-American History I (3)
AMH 3572 Afro-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, Africana 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</th>
<th>Title</th>
<th>Hours</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>AFH 3100</td>
<td>African History to 1850</td>
<td>3</td>
</tr>
<tr>
<td>AFH 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, Africana Studies Or Both. (21 Cr. Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>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>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>
<tr>
<td>HUM 2420</td>
<td>Arts and Music of the African People</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4931</td>
<td>Selected Topics in Africana Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 | 3 |
AFS 2250 | Culture and Society of Africa | 3 |
AFS 3153 | African Literature Survey | 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 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 of Africa | 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 | 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, Africana Studies, or Africana Studies (both). The requirements for the minor are as follows:

Minor Requirements (18 Hours) Three Options

African And Afro-American Studies- Option I

Required Core Classes (9 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction 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>AFH 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>

Elective Classes (Select 9 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4313</td>
<td>Black English</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>
</tbody>
</table>

AMS 3700 | Racism in American Society | 3 |
ANT 4340 | The Caribbean | 3 |
AML 3604 | African American Literature | 3 |
AML 4303 | Major Works: Zora Neale Hurston | 3 |
AML 4624 | Black Women Writers | 3 |
PHM 4120 | Major Black Thinkers | 3 |
PUP 3313 | Blacks in the American Political Process | 3 |
HUM 2420 | Arts and Music of the African People | 3 |
AFA 4931 | Selected Topics in Africana Studies | 3 |
AFS 2250 | Culture and Society of Africa | 3 |
AFS 3153 | African Literature Survey | 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 | 3 |

CPO 4244 Government And Politics Of East, Central, And Southern Africa (3)
INR 4254 Africa In World Affairs (3)
PUP 3313 Blacks in the American Political Process (3)
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)

Elective Classes (Select 9 Hours)
AFA 4335 Black Women in America (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 1850 (3)
AFH 3200 African History to 1850 (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: physical 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.

For additional information about the department please visit our web site: http://www.cas.usf.edu/anthropology/index.html

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 harvest 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 33 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, and ANT 4034 and ANT 4935 complete the specific requirements. Majors are required to complete a minimum of 12 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 4103 Introduction to Archaeological Science
ANT 4124 Archaeological Field Methods
ANT 4143 Old World Archaeology
ANT 4146 European Archaeology
ANT 4153 North American Archaeology
ANT 4158 Florida Archaeology
ANT 4162 South American Archaeology
ANT 4163 Mesoamerican Archaeology
ANT 4172 Historical Archaeology
ANT 4180 Laboratory Methods in Archaeology
ANT 4181 Museum Methods
ANT 4199 Environmental Archaeology

Physical Anthropology
ANT 4520 Forensic Anthropology
ANT 4583 Prehistoric Human Evolution
ANT 4587 Human Variation

Anthropological Linguistics
ANT 4620 Language and Culture
ANT 4750 Language and Social Interaction

Cultural Anthropology
ANT 4231 folklore
ANT 4241 Magic and Religion
ANT 4302 Gender in Cross-Cultural Perspective
ANT 4305 Visual Anthropology
ANT 4312 North American Indians
ANT 4316 Ethnic Diversity in the United States
ANT 4324 Mexico and Central America
ANT 4340 The Caribbean
ANT 4432 The Individual and Culture
ANT 4442  Urban Life and Culture
ANT 4446  Health, Illness, and Culture
ANT 4495  Methods in Cultural Research
ANT 4705  Applied Anthropology

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.

- ANT 2000  Introduction to Anthropology
- ANT 2410  Biological Anthropology
- ANT 3101  Archaeology
- ANT 3610  Anthropological Linguistics
- 4000-level elective courses (9-12 cr. Hrs.) (as described above)

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 (minimum 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 in 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 applicants. 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 HCS 443, University of South Florida, Tampa, Florida 33620-8400. Telephone: 813-974-4056. E-mail: bis@luna.cas.usf.edu

Recommended Prerequisites and 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 context of the work of other 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 research 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 seminars focus on 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 weeks and activities take up a full day. Further study and assignments occupy the evening hours.

UNDERGRADUATE THESIS
The fourth study area 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 1010/101L 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 X109, BOT X101, BOT X101, BSC X041, BSC 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 2058/2058L, PHY 2059/2059L, or equivalent
MAC X311 Calculus I
  Acceptable substitutes: MAC 2233, MAC 2253, MAC X281
MAC X312 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 3323C, ZOO 4603C, or ZOO 4753C

e. ONE of the following (with laboratory): BOT 4503, MCB 4404, or PCB 4723

f. The remaining credit hours to meet the minimum requirements must come from among structured departmental courses that are applicable to the major and BCH 3023. At least eight (8) of these credit hours must be at the 4000 level or higher.

g. A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.

h. A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.

2. Supporting Courses in the Natural Sciences - minimum 34 credit hours

   a. CHM 2045, CHM 2045L, CHM 2046, and CHM 2046L
   b. CHM 2210, CHM 2210L, CHM 2211, 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

3. Liberal Arts Courses - minimum 45 credit hours

   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 not taken at the time the student enters the college, they must be completed before the degree is granted. Unless stated otherwise, these courses are a grade of "C" or 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
   MAC X311 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 2111, BSC 2111L
      b. PCB 3023, PCB 3023L, PCB 3043, and PCB 3063
      c. MCB 3030, MCB 4115, MCB 4404, and MCB 4404L
      d. Ten (10) hours from the following list: BOT 4434, MCB 4502, MCB 4652, MCB 4910, MCB 4934, MCB 5206, MCB 5815, PCB 5235, ZOO 5235, BCH 3023L
      e. A maximum of four (4) credit hours of Undergraduate Research (BSC 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 37 credit hours

   a. CHM 2045, CHM 2045L, CHM 2046, and CHM 2046L
   b. CHM 2210, CHM 2210L, CHM 2211, 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

3. Liberal Arts Courses - minimum 45 credit hours

   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. A grade of D or F 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 provides a great in-depth and breadth of knowledge to outstanding biology students, provides them with an intense research training opportunity, and encourages them to pursue very high academic standards. In addition to satisfying requirements for the Biology or Microbiology degree, successful completion of the program requires a GPA of 3.5 in Department of Biology coursework, an overall GPA of 3.0 in USF coursework, and successful completion of BSC 4932 and BSC 4933, and BSC 4402H. The culmination of the Honors Program is the completion and defense of an honors thesis. Invitation to participate in the Program will take place during the spring semester of each academic year. Criteria for selection include, but are not limited to, freshman/sophomore status, A/B in science courses at USF, including BSC 2110L, and recommendation from BSC 2110L laboratory instructor. See the Honors Program Coordinator for further details of the program.

• 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, organic chemistry, inorganic 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 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 4410 Elementary Physical Chemistry I (B.A. degree) or CHM 4411 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,I) 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 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 2211 Eng Calculus I |
| MAC 2312 | Calculus II or MAC 2212 Eng Calculus II |
| CHM 2210/2210L | Organic Chem I & Lab or CHM 2210C |
| CHM 2211/2211L | Organic Chem II & Lab or CHM 2211C |
| OR | |

**BA in Chemistry, emphasis in Biochemistry (CHM)**

The Chemistry B.A. offers a unique opportunity for students to pursue further 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**

| CHM 2045 | General Chemistry I (3) |
| CHM 2045L | General Chemistry I Lab (3) |
| CHM 2046 | General Chemistry II (3) |
| CHM 2046L | General Chemistry II Lab (3) |
| 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, emphasis in Biochemistry (CHM)**

The B.A. degree in Chemistry provides a course of study for students whose career goals 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 and/or substitution of a selection of advanced courses from the B.S. program. Prerequisites are included in the list below.

**Required Chemistry Courses**

| CHM 2045 | General Chemistry I (3) |
| CHM 2045L | General Chemistry I Lab (3) |
| CHM 2046 | General Chemistry II (3) |
| CHM 2046L | General Chemistry II Lab (3) |
| 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.

**Required Chemistry Electives**

| CHM 3130 | Physical Chemistry I (3) |
| CHM 3130L | Physical Chemistry I Lab (3) |
| CHM 3140 | Physical Chemistry II (3) |
| CHM 3140L | Physical Chemistry II Lab (3) |
| CHM 3150 | Intermediate Inorganic Chemistry I (3) |
| CHM 3150L | Intermediate Inorganic Chem. I Lab (1) |

**Required Chemistry Electives**

| MAC 2311 (4) | or MAC 2281 (3) |
| MAC 2312 (4) | or MAC 2282 (3) |
| PHY 2053 (3) | or PHY 2054 (3) |
| PHY 2054L (1) | or PHY 2054L (1) |

**Required Chemistry Electives**

| MAC 2311 (4) | or MAC 2281 (3) |
| MAC 2312 (4) | or MAC 2282 (3) |
| PHY 2053 (3) | or PHY 2054 (3) |
| PHY 2054L (1) | or PHY 2054L (1) |

**Required Chemistry Electives**

| MAC 2311 (4) | or MAC 2281 (3) |
| MAC 2312 (4) | or MAC 2282 (3) |
| PHY 2053 (3) | or PHY 2054 (3) |
| PHY 2054L (1) | or PHY 2054L (1) |

**Required Chemistry Electives**

| MAC 2311 (4) | or MAC 2281 (3) |
| MAC 2312 (4) | or MAC 2282 (3) |
| PHY 2053 (3) | or PHY 2054 (3) |
| PHY 2054L (1) | or PHY 2054L (1) |

**Required Chemistry Electives**

| MAC 2311 (4) | or MAC 2281 (3) |
| MAC 2312 (4) | or MAC 2282 (3) |
| PHY 2053 (3) | or PHY 2054 (3) |
| PHY 2054L (1) | or PHY 2054L (1) |
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)

Required Chemistry Electives. (12 cr. hrs.)
Minimum of 12 hrs. selected from the following:

BCH 4034 Advanced Biochemistry (3)
CHM 3400 Elementary Physical Chemistry I (3)*
CHM 3401 Elementary Physical Chemistry II (3)*
CHM 3610 Intermediate Inorganic Chemistry I (3)*
CHM 3610L Intermediate Inorganic Chem. Lab (1)*
CHM 4060 Use of the Chemical Literature (1)*

*Students anticipating graduate study are advised to select these courses.

Required Supporting Courses (22-24 cr. hrs.)
MAC 2311 (4) or MAC 2281 (3)
MAC 2312 (4) or MAC 2282 (3)
PHY 2053 (3) or PHY 2054 (3)
PHY 2053L (1) or PHY 2054L (1)
BSC 2010 (3) or PCB 3023 (3)
BSC 2010L (1) or PCB 3023L (1)

Other suggested electives important for advanced studies in biochemistry: CHM 4932*, BCH 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, veterinary 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.)
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)
CHS 4300 Fundamentals of Clinical Chem. (3)
CHM 4130C Methods of Instrumental Analysis (4)

Required Chemistry Electives. (9 cr. hrs.)
Minimum of 9 hrs. selected from the following:

BCH 3023L Basic Biochemistry Lab (2)
BCH 4034 Advanced Biochemistry (3)
CHM 3400 Elementary Physical Chemistry I (3)*
CHM 3401 Elementary Physical Chemistry II (3)*
CHM 3610 Intermediate Inorganic Chemistry (3)
CHM 3610L Intermediate Inorganic Chem. Lab (1)*
CHM 4060 Use of the Chemical Literature (1)

Required Supporting Courses (22-24 cr. hrs.)
MAC 2311 (4) or MAC 2281 (3)
MAC 2312 (4) or MAC 2282 (3)
PHY 2053 (3) or PHY 2054 (3)
PHY 2053L (1) or PHY 2054L (1)
BSC 2010 (3) or BSC 2010L (1)
PCB 4723 (3) or PCB 3023 (3)
PCB 4723L (1) or PCB 3023L (1)

Other suggested electives important for advanced studies in health professional vocations: BSC 2011, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, PCB 4273, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*, PCB 4253, PCB 5845.

*Content varies each semester.

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.)
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 2211 Organic Chemistry II (3)
CHM 2211L Organic Chemistry II Lab (2)
CHM 3120C Elementary Analytical Chemistry I (4)
CHM 3610L Intermediate Inorganic Chem. I Lab (1)
CHM 4060 Use of the Chemical Literature (1)
CHM 4130C Methods of Instrumental Analysis (4)
CHM 4131C Methods of Chemical Investigation (4)
CHM 4410 Physical Chemistry I (3)
CHM 4411 Physical Chemistry II (3)
CHM 4412 Physical Chemistry III (3)
CHM 4611 Advanced Inorganic Chemistry (3)

Required Supporting Courses (20-23 cr. hrs.)
MAC 2311 (4) or MAC 2281 (3)
MAC 2312 (4) or MAC 2282 (3)
MAC 2313 (4) or MAC 2283 (3)
PHY 2048 (3) or PHY 2049 (3)
PHY 2048L (1) or PHY 2049L (1)

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, BCH 4070, CHM 4932*.

*Content varies each semester.

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 of 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.
4. 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 recommendations 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.

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.

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 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, Audiology of 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 Educational Interpreter Training undergraduate curriculum prepares individuals to work in educational setting with students who require assistance with educational skills due to their hearing impairment of deafness. Students interested in these concentrations should contact the Department of Communications Sciences and Disorders regarding academic advising. The Department also offers the Master's of Science degree in Speech-Language Pathology, Audiology, and specialization in Speech, Language, or Hearing Science through the Department of Psychology (Neural and Cognitive Psychology). The department offers a 5-year M.S. course 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
   ANTH 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

III. Complete the foreign language requirement

   NOTE: Students who select ASL as their foreign language and are seeking a bachelor of arts 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 Educational Interpreters (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 equivalent evaluation. Completing a community college interpreter training program curriculum is highly recommended.

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 national 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 concentration 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
   Courses in this category must be completed with a minimum grade of "C."
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 4562 (3)
     - SPA 3011 (3) SPA 4050 (3) SPA 4632 (3)
     - SPA 3030 (3) SPA 4201 (3)
     - SPA 3101 (3) SPA 4210 (3)
     - SPA 3812C (4) (Recommended)
   - Students interested in teacher certification in deaf education must complete required education courses in addition to all CSD requirements 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 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 Clinical and Rehabilitative Audiology, or Deaf Education. Those students choosing to become teachers of the deaf must pursue the DST 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 (2) SPA 3310 (3) SPA 4614 (4)
   - SPA 3004 (3) SPA 3612 (4) SPA 4617 (3)
   - SPA 3030 (3) SPA 4613 (4) SPA 4632 (3)
   - Other electives (6).
F. Educational Interpreter Training Concentration (ITT)
   The ITT concentration seeks to educate students to become educational interpreters for deaf students in the public school system. A program of 42 credit hours is planned for the student majoring in the Educational Interpreter Training concentration. Course content is distributed across five categories of information and skills necessary for a career in Educational Interpreting:
   1. Role of the Educational Interpreter in the Public School Setting
   2. Cognitive, Psychosocial, and Language Development of Deaf and Hearing Children in Public Schools
   3. Techniques and Applications of Educational Interpreting in the Public School
   4. Professional Practices of the Educational 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 Educational 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 3653 (3) SPA 4363L (1) SPA 4685 (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. Any 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 with the provision of research training. Admission to the Honors 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 Communication Sciences and Disorders (CSD) curriculum with at least a 3.5 average in these courses, and (3) a letter of recommendation from a CSD faculty member. After acceptance to the Honors Program, the student will complete the requirements for the major with a GPA above 3.5 for courses taken within the department and an overall GPA above 3.25. The Honors Student will complete 6 credit hours in advanced level courses that pertain to the major, complete 2 credits in Honors Colloquia and write an Honors Thesis.

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
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 course work 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. The program offers three areas of concentration within the major as well as a certification program in corrections.

**Requirements for the Major in Criminology**

**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.

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.

Students are encouraged to take the community college Criminology or Criminal Justice programs. Because courses in these programs will not substitute for the USF major requirements listed below, these students should be aware of and look forward to revisiting many of the content areas at the junior and senior levels at USF.

**Suggested Electives:**

- ACG 2001 Accounting I 3
- ACG 2011 Accounting II 3
- AFA 2001 Introduction to the Black Experience 3

POS 1001 Introduction to Political Science 3

POS 2041 American National Government 3

POS 2112 State and Local Government 3

PSY 2012 Introduction to Psychology 3

SYG 2000 Introduction to Sociology 3

A minimum of 42 semester hours is required of all undergraduate majors in Criminology including the following courses:

- CCJ 3024 (3)*
- CCJ 3701 (3)**
- CCJ 4316 (3)
- CCJ 4341 (3)
- CCJ 4501 (3)

and 15 hours of electives within the major.

* These are gateway courses and must 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.

The student may wish to select and complete the course suggestions from within one of the three areas of concentration described below to fulfill the 15 hours of electives within the major.

**Law Enforcement:**

- CCJ 4100 (3)
- CCJ 4511 (3)
- CCJ 4940 (3)

plus 3 hours of electives.

**Corrections:**

- CCJ 4316 (3)
- CCJ 4331 (3)
- CCJ 4940 (3)

plus 3 hours of electives.

**Juvenile Justice:**

- CCJ 4513 (3)
- CCJ 4511 or 4540 (3)
- CCJ 4940 (3)

plus 3 hours of electives.

Note: No more than five (5) hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major.

**Certification in Corrections:**

The Department of Criminology offers a certificate in corrections. This certificate is recognized by the Florida Criminal Justice Standards and Training Commission (FCJSTC) and by the Florida Department of Corrections (FDOC) as satisfying some of the Basic Recruit Training objectives for Correctional Probation Officers (CPO). This certificate program consists of 21 semester hours comprised of the following courses: CCJ 3024 (3) CCJ 4282 (3) CCJ 4316 (3) CCJ 4331 (3) CCJ 4341 (3) CCJ 4306 (3) and CCJ 4940 (3).

Students must receive approval from the department prior to starting their coursework within this certification program. The program is open to all USF students including Criminology majors and minors as well as to persons who have already received their baccalaureate degrees. All of the required coursework within this certification program must be taken at USF and all additional training requirements must be taken at a FCJSTC approved program in order to qualify as a Florida Correction Probation Officer. Students working toward certifications certification are also subject to the Department’s “2 D” rule.

**Requirements for a Minor in Criminology**

The Department of Criminology offers a minor in Criminology. The minor consists of three required courses (CCJ 3024, 3204, and 3610) totaling 9 credit hours and the selection of two of the following 3 hour courses (CCJ 4110, 4273, 4306, 4501) for a total of 15 semester hours. 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)**

- **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
- 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 Income & Monetary Analysis (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.

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 cannot expect 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**

Economics principles prepare 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.

**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 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 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 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 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
- EUH 2021 Medieval History I 3
- EUH 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 retaken 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
   - ENL 3332 Late Shakespeare
   - ENL 4303 Selected British Authors
   - LIN 4671 Traditional English Grammar
   - LIN 4680 Structure of American English
   - LIT 3022 Modern Short Novel
   - LIT 3043 Modern Drama
   - LIT 3073 Contemporary Literature
   - LIT 3144 Modern European Novel
   - LIT 3374 Bible as Literature
   - LIT 3410 Religious and Existential Themes
   - LIT 3700 Survey of Poetry
   - LIT 4930 Selected Topics in English Studies
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
     - AML 4122 British Novel through Hardy
     - ENL 4132 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
     - AML 4261 Literature of the South
     - AML 4330 Selected American Authors
     - ENO 4090 History of the English Language
     - ENL 3015 British Literature to 1616
     - ENL 3230 British Literature 1616-1780

OPTION II: CREATIVE WRITING

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 Fiction Form & Technique
   - CRW 3111 Narration & Description
   - CRW 3311 Form & Technique of Poetry

2. Literature Requirements
   - The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, two more from Group 2, and three 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 Communications for Engineers

2. Literature requirements:
   - The student must select seven literature courses from those listed in OPTION I as follows:
     - Two courses from Group 1, four courses from Group 2, and one course from Group 3 and/or Group 4.
Requirements for the Minors in English
ENGLISH AND AMERICAN LITERATURE MINOR (15 HOURS)
1. One of the following:
AML 3031 American Literature to 1880
AML 3032 American Literature 1880-1912
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 1780-1900
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, CRW, ENC, ENL or LIT prefix

CREATIVE WRITING MINOR (15 HOURS)
1. CRW 3111 Fiction Form & Technique
or
CRW 2100 Narration & Description
CRW 3311 Form & Technique of Fiction
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 II
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
2. One AML or ENL course listed in OPTION I
Any two of the following courses:
CRW 2100 Narration & Description
ENC 3310 Expository Writing
ENC 4311 Advanced Composition
ENC 4931 Communication for Engineers

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 |
| CHM 2045 & CHM 2045L General Chemistry & Lab | 4 |
| CHM 2046 & CHM 2046L General Chemistry II & Lab | 4 |
| STA 2023 Statistics | 3 |
| 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 Elementary 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

| EVR 2001 Intro to Environmental Science | |
| EVR 2001L Intro to Environmental Science Lab | |
| EVR 2861 Intro to Environmental Policy | |
| EVR 4921 ESP Seminar | 4 |
| EVR 4910 ESP Project | |
| or |
| EVR 4940 ESP Internship | 4 |
| BSC 2010C Biology I | 4 |
| BSC 2010L Biology Lab I | |
| BSC 2011C Biology II | |
| BSC 2011L Biology Lab II | |
| CHM 2045 General Chemistry I | |
| CHM 2045L Chemistry Lab I | |
| CHM 2046 General Chemistry II | 4 |
| CHM 2046L Chemistry Lab II | |
| PUP 4203 Environmental Policy | 4 |
| PHI 3640 Environmental Ethics | 4 |
Statistics
STA 2023 Introductory Statistics
or
QMB 2100 Business and Economic Statistics
or
EGN 3443 Engineering Statistics

Geology or Physics
GLY 2010 Dynamic Earth
GLY 2010L Dynamic Earth Lab
or
GLY 2100 Historical Geology
GLY 2100L Historical Geology Lab
or
PHY 2048 General Physics
PHY 2048L General Physics Lab
or
PHY 2053 General Physics
PHY 2053L General Physics Lab

Science Track
MAC 2233 Elementary Calculus I
MAC 2234 Elementary 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: 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)
POS 3697 Environmental Law

And one 3-4 credit course from the following list, with prior approval from an ESP advisor:
BSC 4057 Environmental Issues
CGN 4833 Policy Issues in Environmental Engineering

SPC 4930 Communication and the Natural Environment
GEO 4340 Natural Hazards
HIS 4936 Seminar in Environmental History
POS 5086 Global Environmental Governance
WST 3225 Women, Environment and Gender
ANT 4199 Environmental Archaeology
EVR 4930 Selected Topics in Environmental Policy

• GEOGRAPHY (GPY)

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 foreign language requirement.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete two introductory courses in Geography prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted.

Upper-level Course Requirements
A major in Geography consists of 10 courses as follows:

Required core courses (5 courses + lab):
GEO 3013 Intro to Physical Geography (3)
GEO 3013L Intro to Physical Geography Lab (1)
GEO 3402 Human Geography (4)
GEO 3180 Digital Thematic Mapping (4)
GEO 3164C Quantitative Methods (4)
GEAXXXX One course with GEA prefix (4)

Supporting Courses (5 courses):
 Majors will select among courses in the Urban and Environmental tracks for their additional coursework. They must take an additional 5 courses, 2 of which may be outside of their track. If more than 1 course is taken outside of the track, 1 of them must be a techniques (elective) course. The following list designates supporting courses by track (or elective technique).

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)
## Requirements for the Minor in Geography

A minor in Geography consists of 17 credit hours, with a minimum grade-point average of 2.0. The required courses are:

- GEO 3013 (4) GEO 3013L (1) GEO 3402 (4)
- One GEA 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 professional 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.

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
- CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E
- GLY 2010C Introduction to Physical Geology
- MAC 2311 Calculus I or PHY 2048C General Physics and Laboratory I or PHY 2048/2048L
- PHY 2049C General Physics and Laboratory II or PHY 2049/2049L
- PHY 2053C Physics
- PHY 2054C Physics
- XXX XXXX - Historical Geology strongly recommended

The choice physics sequence depends on the area of geology specialization.

### Requirements for the Major in Geology (BS)

#### 1. Geology courses (36 hours):

- **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)

*Transfer students who have taken GLY 2010C and GLY 2100C or the equivalent will be deemed to have met the introductory sequence requirements. However, ALL students are strongly encouraged to take GLY 2015L, as this course will greatly facilitate success in the upper-level offerings.*

- **Junior-level sequence (20 hours):**
  1. GLY 3115C Geologic Time (4)
  2. GLY 3315C The Solid Earth: Petrology (4)
  3. GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure (4)
  4. GLY 3552C The Earth's Surface (4)
  5. GLY 3800C The Fluid Earth (4)

- **Senior-Level Sequence (12 hours):**
  1. GLY 4145 Computational Geology (3)
  2. GLY 4400 Geocommunications (3)

*and either:
  3. 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
- 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 4400 (6 hours)**
2. Supporting Courses for the B.A. Degree (24 hours):  
CHM 2046, 2046L, CHM 2046, 2046L  
MAC 2233, 2234 or MAC 2311, 2312 or MAC 2281, 2282  

Two courses in biology or physics selected from the following: BSC 2010 and 2010L, BSC 2011 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 of the 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.

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.

- ACX 2041 Financial Accounting or ACX 2041L
- ACX 2042 Managerial Accounting or ACX 2042L
- CSG 100 Introduction to Geology
- STAX 122 Social Science Statistics or QMB 1250, STAX 222, STA X103, STA X104, STA X040, STA X023, STA X024, or QMB X100

For those seeking the Bachelor of Arts degree, students should complete STA X122 (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 STA X122 are: QMB 2150 or QMB X100, STA 222, STA 103, STA 104, STA 10a, or STA 10c. 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 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 1222.  
B.A. students complete 21 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 4641 Death and Dying (3)
- GEY 4945 Field Placement (9)
- MAN 3025 Principles of Management (3)
Students also complete the following twelve (12) hours of prerequisites: ACG 2021, ACG 2071, CGS 2000, and GEY 2000.

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, communication 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)

Required: Choose 2 of the following 3 courses
- GEY 3601 Physical Changes and Aging (3)
- GEY 3626 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: ANT 2410, Cultural Anthropology; GEA, World Regional Geography; CPO 2002, Comparative Politics; INR 2002, Introduction to International Relations; REL 2300, Introduction to World Religions; or GEB, 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. Students may also take upper level electives from the International Studies curriculum.

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.

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 conversational in 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 the 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 SO) (3)
- SPC 2500 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)
  - POT 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 grounding 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
- POS 3142 (3) POS 4165 (3) URP 4050 (3)
- POS 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 5453 (3) PUP 5607 (3)
- URP 4050 (3)

Field VII Law and Politics
- INR 4403 (3) POS 3991 (3) POS 4624 (3)
- POS 3283 (3) POS 4614 (3) POS 4693 (3)
- POS 4694 (3)

The following courses are not included within any of the seven fields, but may still be used as elective hours:

- PAD 3003 (3) PAD 4305 (3) PAD 4204 (3)
- POS 4941 (3-15) POS 4905 (1-3) POS 4970 (3)
- POS 4910 (1-3) POS 3931 (3) POT 4109 (3)
- POT 4661 (3) POT 4936 (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
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 publically 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 related to law. (Courses on 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

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 2000 level courses, or their equivalent, 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 course work 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 2023, “Fundamentals of Speech Communication,” LIS 2001, “Information Resources and Library Research,” 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 in 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 is an interdisciplinary curriculum that deals with the visual arts, music, literature and the culture from which they emerge. Secondary sources are used sparingly; students are encouraged to make a vigorous, personal response to specific works of art, literature, and music.

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 (5)
- 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 English I (3)
ENC 1102 English 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 AMH 2201 (Colonial American Culture), AMH 2212 (Nineteenth-Century American Culture) or AMH 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 3601, 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 Bachelor of Arts in the Interdisciplinary Natural Sciences major is designed for students seeking a broad program in the natural sciences and for majors in Science Education and Mathematics Education.

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 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 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.

One year each, if offered, of:
Biology I and Biology II
(BSC 2010, BSC 2011, BSC 2111, BSC 2111L)
8
Calculus
(MAC 2233, MAC 2234 or MAC 2311, MAC 2312)
6-8
General Chemistry
(CHM 2041, CHM 2045L, CHM 2046, CHM 2046L)
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 2101L, GLY 2100, GLY 2100L)
8

Requirements for the Major in Interdisciplinary Social Sciences

Upper-level coursework required for Interdisciplinary Social 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)
8
Biology I and II
(BSC 2010, BSC 2010L and BSC 2111, BSC 2111L)
8
General Chemistry I and II
(CHM 2045, 2045L and CHM 2046, 2046L)
8
Geology I and II
(GLY 2010, GLY 2010L and GLY 2100, 2100L)
8
Physics I and II
(PHY 2048, 2048L, 2049, 2049L or PHY 2053, 2053L, 2054, 2054L)
8

TIER 2
At least 8 hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas, totalling 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. Exit courses and non-major electives will not count toward this requirement.

Residency
At least 12 of the 24 hours at Tier 2 must be taken at USF.

The requirements for graduation for this degree are the same as those contained in Arts and Sciences General Requirements for Degree except for the following:
The Clinical Laboratory Sciences emphasis is designed to prepare students for application to a clinical program in Medical Technology or Cytology following graduation or employment in a laboratory. This major may also be used as a preprofessional degree. Students applying to professional school (e.g., Medicine) should determine which courses are required for admission. Students planning to apply to clinical programs in Medical Technology need to include a course in Immunology. Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. For the Clinical Laboratory Sciences emphasis, completion of a minimum of 54 credit hours in natural sciences with a "C" or higher in each major and supporting course.

**Supporting Courses:**

- BSC 2010: Biology I - Cellular Processes (3)
- BSC 2010L: Biology I Lab (1)
- BSC 2011: Biology II - Diversity (3)
- BSC 2011L: Biology II Lab (1)
- 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)
- MAC 2233: Elementary Calculus I (4)
- STA 2023: Introductory Statistics (4)

**Major Courses:**

- BCH 3023: Introductory Biochemistry (3)
- or
- CHS 4300: Fundamentals of Clinical Chemistry (3)
- CHM 2210: Organic Chemistry I (3)
- CHM 2210L: Organic Chemistry I Lab (2)
- CHM2211: Organic Chemistry II (3)
- CHM 2211L: Organic Chemistry II Lab (2)
- MCB 3030C: General Microbiology (4)
- Two (2) Biology major electives including at least one with lab (min. 6 hours)

Select from the following list noting prerequisites where applicable:

- BOT 4434C: Mycology
- MCB 4115C: Determinative Bacteriology
- MCB 4404: Microbial Physiology and Genetics
- MCB 4404L: Microbial Physiology and Genetics Lab
- PCB 3023: Cell Biology
- PCB 3023L: Cell Biology Lab
- PCB 3063: General Genetics
- PCB 4063L: Genetics Lab
- PCB 4064C: Experimental Genetics
- PCB 5235: Principles of Immunology

Majors sciences electives in Biology, Chemistry, or Physics to total minimum of 54 hours. Select from the following list, noting prerequisites where applicable, and not duplicating courses used to meet the above requirements:

- BCH 3023L: BCH 3023L: BCH 4034
- BOT 4434C: CHM 3120C: CHM 4060
- CHS 4100C: CHS 4300: CHS 4301L
- MCB 4115C: MCB 4404: MCB 4404L
- MCB 4502C: MCB 5206: MCB 5815
- PCB 3023: PCB 3023L: PCB 3063
- PCB 3063L: PCB 4064C: PCB 4723
- PCB 4723L: PCB 5235: PCB 5525
- PHY 2053: PHY 2053L: PHY 2054
- PHY 2054L: ZOO 4753C: ZOO 5235

**NOTE:** Transfer students with credit for two semesters of anatomy and physiology with laboratories may substitute these courses for BSC 2011, 2011L.

Computer competency is essential for work in a modern laboratory. Students lacking computer skills should take CGS 2060.

### 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 Junior College campus in Clearwater or at the Pasco-Hernando Community College campus. For information about Clearwater classes, call (727) 424-8430 or (813) 974-4673, 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 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.

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 classes are 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 Anthropology (3)
- ECO 2013: Economic Principles (Macroeconomics) (3)
- ECO 2023: Economic Principles (Microeconomics) (3)
- GEA 3000: World Geography (4)
- POS 2041: National Government (3)
- or
- POS 2112: State and Local Government (3)
- SYG 2000: Introduction to Sociology (3)
- WST 3010: 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 African 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 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.
8. Students in Communications Sciences and Disorders major in ISS with an emphasis in (a) Speech and Hearing Science, (b) Interpreter Training for the Deaf, or (c) American Sign Language. Advising for this concentration is handled at the Communication Sciences and Disorders Department.

No transfer courses 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, CJC, ECN, EVR, GEY, GPY, HTY, HUM, HUS, INT, ISA, ISH, LAS, 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 systems; the various concepts, theories and methods studied in the social sciences; and apply them to the issues of the day. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

• LANGUAGES AND LINGUISTICS
The Division of Languages and Linguistics 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)
The major in Classics is 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 major is of 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.

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. 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.

ENC 1101 Composition I (3)
ENC 1102 Composition II (3)
EUH 2011 Ancient History I (3)
EUH 2012 Ancient History II (3)
Beginning and Intermediate Basic Preparation for Major (LAT 1120, 1121, or GRE 1120, 1121) (16)

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 any combination of courses offered in Latin (LAT and LNW) and in Greek (GRE and GRW). 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 Greek or Latin consists of 4 courses, earning a minimum of 12 credit hours, 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 3.0
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 3.0.
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. A written examination on a designated area of Latin or Greek literature (for example, the Golden Age, the Silver Age, etc.).
5. Successful completion of an upper-level Greek or Latin course designated as an Honors Seminar.

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)
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.

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 major 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 3230 (3)
    - FRE 4241 (3)
    - FRE 4242 (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)
  - Supporting courses required for the minor
    - 9 hours in 3000, 4000, or 5000 level courses except courses in translation.

- **GERMAN (GER)**
  - Requirements for the major (14 cr. hrs.)
    - GER 2240 (3)
    - 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.
  - 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)
    - GRK 4903 (4)
  - Supporting courses required for the minor
    - 9 hours in 3000 or 4000 level courses except courses in translation.

- **ITALIAN (ITA)**
  - Required courses for the major (15 cr. hrs.)
    - ITA 2240 (4)
    - ITA 3420 (3)
  - Supporting courses required for the major
    - 17 hours in 3000 or 4000 level courses, including approved courses in related disciplines, planned with the advisor.
  - Required courses for the minor (7 cr. hrs.)
    - ITA 2240 (4)
    - ITA 3420 (3)
  - Supporting courses required for the minor
    - 9 hours in 3000 or 4000 level courses except courses in translation.

- **RUSSIAN (RUS)**
  - Required courses for the major (14 cr. hrs.)
    - RUS 3240 (4)
    - RUS 4241 (4)
  - Supporting courses required for the major
    - 18 hours in 3000 or 4000 level courses planned with the advisor.
  - Required courses for the minor (8 cr. hrs.)
    - RUS 3240 (4)
    - RUS 4241 (4)
  - Supporting courses required for the minor
    - 8 hours in 3000 or 4000 level courses.

- **SPANISH (SPA)**
  - Required courses for the major (15 cr. hrs.)
    - SPN 3300 (3)
    - SPW 4100 (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 (3 cr. hrs.)
    - SPN 3300 (3)
  - Supporting courses required for the minor
    - 12 hours in 3000, 4000 or 5000 level courses except courses in translation.

- **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 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.

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 Director and the Director of the Major who is located in the Department.

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 classes 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.

• MARINE SCIENCE (MSC)

Although the department does not offer an undergraduate degree, graduate courses in the Department of Marine Science are open to advanced undergraduates in other natural science disciplines. In addition, the Department of Marine Science has recently increased the number of courses specifically geared for undergraduates; consult the Schedule of Classes for course titles currently being offered. Some Department of Marine Science courses are available on all campuses by means of distance learning.

The Department of Marine Science (DMS) 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 26 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 departmental facilities is available at the department's web site (http://www.marine.usf.edu) and from the department upon request.

The department'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. The department's principal building is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Department of Environmental Protection. A newly occupied research building is shared by DMS 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 Department 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 DMS graduate students.

• 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 essential 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 4940, 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 Mass 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 disallowed 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 28 hours of a combination of required and selective sequence courses for a total of 34 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 90 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 program advisor.) To facilitate this, no more than 34 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 34 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 nineteen (19) 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 descriptions. 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/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 the 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")
- MMC 3602 Mass Communications and Society
- 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 4800 Advertising Campaigns
   - ADV 4940 Advertising Practicum
   - MMC 4203 Media Ethics
   - MMC 4420 Research Methods
   - Selective Requirements (9 hours required, selected with advisor's approval)

   **Other Requirements:** The following courses are required outside the School to complete sequence requirements:

   - ACG 3074 Managerial Accounting for Non-Business Majors
   - ECO 1000 Basic Economics
   - 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 History and Principles of Communications Law
   - JOU 4206 Newspaper Design and Typography
   - PGY 3610C 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
   - POS 3142 Intro to Urban Politics & Government
   - PSG 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
     - MMC 4200 Communications Law
     - MMC 4420 Research Methods
MMC 4936  Selected Topics: Publication Design
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 and Government
and
SYG 2010  Contemporary Social Problems
See specific courses for prerequisites.

3. PUBLIC RELATIONS Requirements
ADV 3000  Introduction to Advertising
JOU 2100  Beginning Reporting
MMC 4420  Research Methods
PUR 3000  Principles of Public Relations
PUR 4100  Writing for Public Relations
PUR 4401  Public Relations Issues, Practices, Problems
PUR 4801  Advanced Public Relations
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
MAN 3025  Principles of Management
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
MMC 4200  Communications Law
MMC 4420  Research Methods
RTV 3001  Introduction to Telecommunications
RTV 3300  Broadcast News
RTV 4304  TV News
Selective Requirements (12 hours required, selected with advisor’s approval)
Other Requirements:
ORI 2000  Intro to Communication as Performance
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

Programming and Production Option
MMC 4200  Communications Law
MMC 4420  Research Methods
RTV 2100  Writing for Radio and TV
RTV 3001  Introduction to Telecommunications
RTV 3300  Broadcast News
RTV 4220  TV Production and Direction
RTV 4320  Electronic Field Production
RTV 4500  Telecommunications Programming
Selective Requirements (3 hours required, selected with advisor’s approval)
Other Requirements: The following courses are required outside the School to complete sequence requirements:
CRW 2100  Narration and Description
or
ENC 3310  Expository Writing
and
PHI 1103  Critical Thinking

All undergraduate students who successfully complete MMC 2100 Writing for Mass Media or its equivalent at USF or elsewhere after spring term 2001 must meet the requirements of a new 37-hour curriculum. Please see the School of Mass Communications undergraduate advisor or the School of Mass Communications Internet site for more information.

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)  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 28 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 prerequisites 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.

COP 1000 Computer Language Course
(Pascal, FORTRAN, C, C++, or C++)
MAC X311 Calculus I
MAC X312 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 (4)
- MAC 2312 Calculus II (4)
- MAC 2313 Calculus III (4)
- MGF 3301 Bridge to Abstract Mathematics (4)
- MAS 3105 Linear Algebra (4)

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)

Elective Requirement. Majors must complete seven courses from the following electives (Min. 21 cr. hrs.):
- CGS 3422 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 4401 Numerical Analysis (3)
- MAD 4504 Theory of Computation (3)
- MAD 5300 Introduction to Graph Theory (3)
- MAP 3022 Differential Equations (3)
- MAP 5407 Methods of Applied Mathematics (3)
- MAS 4124 Numerical Algebra (3)
- MAS 4156 Vector Calculus (4)
- MAS 5215 Number Theory (3)
- MAA 4301 Elementary Abstract Algebra (3)
- MAD 4970 Mathematics Senior Thesis (3)
- MTH 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 B.A. 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. By awarding up to 20 hours of dual credit (undergraduate and graduate), the student also uses these courses to satisfy the requirements for the MA in mathematics.

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. A student in this program is eligible to apply for an assistantship in the senior year. 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)
   - MAT 4970 Mathematics Senior Thesis (3)
   - MTH 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)
MAC 2311 Engineering Calculus I (4)
MAC 2312 Engineering Calculus II (4)
MAC 2313 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.

1) General Biology I with lab
   (e.g. BSC 1010, 1010L; BSC 2010, 2010L*) (4)
2) Human Anatomy and Physiology I with lab
   (e.g. BSC 1085, 1085L; BSC 2085, BSC 2085L*) (4)
3) Human Anatomy and Physiology II with lab
   (e.g. BSC 1086, 1086L; BSC 2086, BSC 2086L*) (4)
4) General Microbiology with lab
   (e.g. MCB 2010, 2010L; MCB 3030C*) (4)
5) General Chemistry I & II with labs
   (e.g. CHM 1045, 1045L, 1046, 1046L; CHM 2041, 2045L, 2046, 2046L*) (8)

6) Organic Chemistry I with lab
   (e.g. CHM 2210, 2210L*) (4-5)
7) Organic Chemistry II with lab
   (e.g. CHM 2211, 2211L*) (4-5)
8) Statistics
   (e.g. STA 2023*) (3-4)

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:

College Algebra (MAC 2102 or MAC 2132) (3)
Determinative Bacteriology (MCB 4115) (5)
Immunology (PCB 5235 or equivalent) (3)
Clinical Chemistry (CHS 4300) (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
MLS 4861 Clinical Immunology
MLS 4863 Clinical Microbiology
MLS 4865 Clinical Immunohematology
MLS 4860 Clinical Urinary and Body Fluid
MLS 4862 Clinical Hematology
MLS 4864 Clinical Chemistry
MLS 4866 Clinical Laboratory Management and Education

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. PHH 3062 History of Philosophy: Ancient and Medieval
PHH 3420 History of Philosophy: Modern  
b. PHI 2100 Introduction to Formal Logic  
or  
PHI 5135 Symbolic Logic  
c. PHI 4670 Contemporary Ethical Theory  
d. At least one of the following:  
   PHI 4300 Theory of Knowledge  
   PHI 5225 Philosophy of Language  
   PHI 4320 Philosophy of Mind  
e. 6 credit hours of 4000 or 5000 level Philosophy courses  
f. 9 credit hours of Philosophy electives

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 3420 History of Philosophy: Modern  
PHH 4600 Contemporary Philosophy  
or  
PHH 4440 19th Century Continental Philosophy  

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 2100 Introduction to Formal Logic  
   PHH 3062 History of Philosophy: Ancient and Medieval  
   PHH 3420 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  
   PHM 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 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 studies 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's 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 1045C or CHM 1045E  
CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C 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 X281
MAC 2312 Calculus II or MAC X282
MAC 2313 Calculus III or MAC X283
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 (3) PHY 3221 (3) PHY 4324C (4)
   PHY 2048L (1) PHY 3323C (4) PHY 4823L (2)
   PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)
   PHY 2049L (1) PHY 4222 (3) PHY 4830 (1)
   Physics Electives (6)
   B.S. PHYSICS (44 cr. hrs.)
   PHY 2048 (3) PHY 3223C (4) PHY 4604 (3)
   PHY 2048L (1) PHY 3424 (4) PHY 4823L (2)
   PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)
   PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)
   PHY 3101 (3) PHY 4324C (4) PHZ 5405 (3)
   PHY 3221 (3) PHY 4523 (3)
1 Substitutions permitted subject to approval of undergraduate advisor.

2. Supporting Courses in the Natural Sciences
   B.A. and B.S. PHYSICS (20 cr. hrs.)
   CHM 2041 (3) CHM 2046L (1) MAC 2313 (4)
   CHM 2046L (1) MAC 2311 (4) MAP 2302 (3)
   MAC 2313 (4) MAC 2312 (4)
2 The sequence MAC 2281 (3), MAC 2282 (3), and MAC 2283 (3) may be substituted for the sequence indicated.

3. Liberal Arts Requirements
   [General Education Requirements (36 cr. hrs.); Exit Requirements (9 cr. hrs.)]
The student is required to complete the university’s Liberal Arts Requirements.

4. Free Electives
   Courses over and above required courses should be taken to complete a 120-hour program.

5. Residency Requirement
   A minimum of 20 credit hours of physics courses (see 1 above) in residency.

6. D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.

Requirements for the Minor in Physics
The minor in Physics is open to students with majors in the sciences, engineering and mathematics. A minor in Physics consists of 19 credit hours, which include, PHY 2048 (3), PHY 2048L (1), PHY 2049 (3), PHY 2049L (1), PHY 3101 (3), PHY 3822L (2), and two electives from the approved Physics courses.

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. 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 require 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 coursework at the lower level to 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 and any other lower level Psychology course within the Psychology inventory
STAXXX Any level Statistics course (X000 - X099)
BSCXXX 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. All majors must complete:

Other Course Requirements for Psychology Majors
1. 2000/3000 Level Requirement (6 semester hours)
   PSY 2012 Contemporary Psychology (if not already taken at a community college)
   PSY 3044 Experimental Psychology

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.
   Statistics and Biological Science are required. Otherwise,
students majoring in psychology are encouraged to complete a varied undergraduate program.
A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3044 and PSY 3213. For students majoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213 requirement.
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. 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 are typically made in the fall 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 two years of undergraduate study. All applicants must take the GRE. 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 Counseling 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.

• 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 those 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. Students taking 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 4949 Development of Religious Studies (3)

c. REL 4931 Seminar in Religion (3)

d. An additional 27 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.

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 4949 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 of South Florida (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, interventive 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 application 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 only 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 course, 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 has completed common prerequisite work in political science, biology, economics, psychology and
sociology (see specific requirements below) may declare a pre-social work major. At this stage, students may file a declaration of major form with the College of Arts and Sciences, Records and Advising Office. All majors will be assigned to an advisor within the School who will assist the student in selecting courses. Many students will have already taken most of the common prerequisite courses as part of general distribution at USF or in their course of study at a community college. After completion, a student will be ready for provisional courses in the pre-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:
- XXXXXXX Biology (Human Biology or Anatomy & Physiology) (3)
- ECOXXXX Economics (Microeconomics or Macroeconomics) (3)
- XXXXXXX Introductory Psychology (3)
- XXXXXXX 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 2380 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 3530 Poverty, Inequality, and Stratification (3)
- SYP 4510 Sociological Aspects of Deviance (3)

Foundation Courses (P*) for Pre-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.
- Introduction to the Black Experience
- Social Institutions and the African-American Community
- Black Women in America
- Culture and Society in Africa
- Racism in American Society
- Blacks in the American Political Process

Anthropology:
- Introduction to Anthropology
- The Anthropological Perspective
- Cultural Anthropology
- Ethnic Diversity in the USA
- The Individual and Culture

Sociology:
- Racial and Ethnic Relations
- Women's Studies
- Introduction to Women's Studies
- Psychology of Women
- Women and Politics

Issues in Feminism
- American Women in Contemporary Society I
- American Women in Contemporary Society II
- Literature by American Women of Color
- The Image of Women in Literature (also offered in English)
- Third World Women Writers (also offered in English)

2. Both of the following Social Work courses, earning a "B" or better:
- American Social Welfare System
- Introduction to Social Work

Foundation Courses (P*) for Pre-Social Work Majors
1. A student must successfully complete by earning a "C" or better one of the following cross cultural courses or equivalency:
- AFA 2000 Introduction to the Black Experience (3)
- AFA 4331 Social Institutions and the African-American Community (3)
- AFA 4335 Black Women in America (3)
- AFS 2250 Culture and Society in Africa (3)
- AMS 3700 Racism in American Society (3)
- PUP 3313 Blacks in the American Political Process (3)
Anthropology:
- ANT 2000 Introduction to Anthropology (3)
- ANT 3005 The Anthropological Perspective (3)
- ANT 2410 Cultural 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 3010 Introduction to Women's Studies (3)
- SOP 3742 Psychology of Women (3)
- PUP 4323 Women and Politics (3)
- AMH 3561 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 (3) 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

Provisional Courses (P*) for Social Work Majors
1. A student must successfully complete by earning a "C" or better one of the following cross cultural courses or equivalency.
   - AFA 2000 Introduction to the Black Experience (3)
   - AFA 4331 Social Institutions and the African-American Community (3)
   - AFA 4335 Black Women in America (3)
   - AFS 2250 Culture and Society in Africa (3)
   - AMS 3700 Racism in American Society (3)
   - PUP 3313 Blacks in the American Political Process (3)

Anthropology:
- ANT 2000 Introduction to Anthropology (3)
- ANT 3005 The Anthropological Perspective (3)
- ANT 2410 Cultural 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 3010 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 3561 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)

• SOCIOLOGY (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 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 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.

- STA 2122 Social Science Statistics (3)
- SYG 2000 Introduction to Sociology (3)
- WST 2010 Introduction to Women’s Studies (3)
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 38 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):

SYG 2000 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 2000 Introduction to Sociology and SYA 3010 Classical Theory. No more than three hours of SYA 4910 “Individual Research” may count toward the 18 hours 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

2. An overall Grade Point Average of 3.2 or higher.

3. Completion of at least 72 semester hours by the start of the program in Semester I.

4. 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.

5. 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 higher, completion of Honors Seminar and Honors Colloquium, and completion of Honors Thesis. See Sociology Undergraduate Advisor for more information.

• WOMEN’S STUDIES (WST)

The major in Women’s Studies provides a well-rounded Liberal Arts education based on the best and most current scholarship on women in many disciplines. Its subject is not only the evolution of historical attitudes, ideologies, and practices concerning women but also an analysis of the current status of different classes, races and groups of women.

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;
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 Feminist 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 3325 Women, Environment and Gender (3)
   - WST 4320 Women’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 3010 Intro to Women's Studies (3)
- WST 3440 Women and Social Action (3)
- WST 3620 Men and Sexism (3)
- WST 4900 Directed Readings (1-3)
- WST 4910 Directed Research (1-3)
- WST 4930 Selected Topics (1-4)
- WST 5934 Selected Topics (1-4)
- STA 2122 Social Science Statistics (3)

Students electing to major in Women’s Studies should consult the Undergraduate Advisor for timely scheduling of classes.

### Requirements for the Minors 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 3011
- 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. For those interested in the difficult task of creating a harmonious multi-ethnic world, this course of study should be personally and socially rewarding as well as academically challenging.

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. To be inducted into the national honorary, 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 honor society 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 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://nusferatu.cas.usf.edu/~poonkase 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.

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.

Gamma 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 306; 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 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 Wednesday 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, and 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. Members are 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 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 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, J. Sokolovsky, L. Whiteford, C. Wienker; Associate Professors: S. Greenbaum, L. Madrigal, T. Purcell, J. Smith, B. Weissman, N. White, K. Yelvington; Assistant Professors: N. Romero-Daza, R. Tykot; Visiting Assistant Professor: D. Himmelgreen; Courtesy Faculty: C. Bryant, J. Correll, 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. Cisna, E. M. Eisenberg, C. S. Ellis, L. S. Pettigrew, M. L. Vanderford; Associate Professors: E. E. Bell, B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier; Assistant Professors: J. Jorgenson, G. Rodman; Courtesy Faculty: M. Myerson.

Communication Sciences and Disorders

Community Experiential Learning
Coordinator: R.R. Jones.

Criminology

Economics

English

Environmental Science and Policy
Director: R. Khator; Assistant Director: I. Bartsch.

Geography

Geology

Gerontology

History

Humanities and American Studies

Interdisciplinary Social Sciences
Associate Director: S. E. Cahill; Coordinators: L. Andrews-Crotwell, R. J. Gagan, M. Ostrekon; Professor: S. M. D. Stamps, Jr., R. H. Wheeler; Associate Professor: S. E. Cahill; Assistant Professors: J. Jones, C. R. Kasee, L. Mayfield-Brown; Instructors: L. Andrews-Crotwell, W. Cummings, M. Ostenko, B. Paul, E. Schmidt; Lecturer: R. J. Gagan.

International Studies

Languages & Linguistics

Library and Information Science

Marine Science
Mass Communications


Mathematics


Medical Technology

Director: S. H. Grossman; Courtesy Professors: I. 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. Chakphak (St. Vincent’s Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schurig (Bayfront Medical Center), J. Sigler (University Medical Center).

Philosophy


Physics


Political Science


Public Administration

Director: J. E. Pyne; Professors: J. E. Ireisat, S. A. MacManus; Associate Professors: J. L. Dal, A. Njhe, 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. Rusch; Associate Professors: S. Kelley, T. J. Wright; Assistant Professors: C. Dixon; Clinical Instructor: T. Evans, J. Ferrandino.

Religious Studies


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. Strozier; Assistant Professors: D. Bassett, P. Ouellette, M. Rank; Instructors: K. C. Bennett, A. Castro, D. Ducett, L. Jackson, S. Speer, C. Tate, T. Tilden; Courtesy Faculty: Associate Professors: M. L. Coulter; Visiting Faculty: J. Callan, J. Carpenter, M. Marley.

Sociology


Women’s Studies

Chairperson: O. Schutte; Professor: L. L. McAlister; Associate Professors: G. Grewal, M. Myerson, J. B. Snook, K. Vaz; Assistant Professors: M. Bartsch, C. DiPalma, C. E. Eichner.

ARTS AND SCIENCES COURSES

Africana Studies

AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] –64 AF
AFA 4200 Slavery in the Americas and the Caribbean -MW(3)
**American Studies (see Humanities and American Studies)**

### Anthropology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5901</td>
<td>Directed Reading</td>
<td>1-4</td>
</tr>
<tr>
<td>ANT 1149</td>
<td>The Human Adventure</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ALL 2310</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3005</td>
<td>The Anthropological Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3101</td>
<td>Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Anthropological Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>Theories of Culture</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4103</td>
<td>Archaeological Science</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4146</td>
<td>European Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4149</td>
<td>Fantastic Archaeology: Mysteries of the Human Past</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4158</td>
<td>Florida Archaeology</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4286</td>
<td>Oral History</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4302</td>
<td>Gender in Cross-Cultural Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4312</td>
<td>North American Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4316</td>
<td>Ethnic Diversity in the United States</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4360</td>
<td>Mexico and Central America</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4390</td>
<td>Visual Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4401</td>
<td>Exploring Cross-Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4432</td>
<td>The Individual and Culture</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4442</td>
<td>Urban Life and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Health, Illness, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4520</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Prehistoric Human Evolution</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4587</td>
<td>Human Variation</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4620</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4701</td>
<td>Applied Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4750</td>
<td>Language and Social Interaction</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Archaeological Field Methods</td>
<td>4-12</td>
</tr>
<tr>
<td>ANT 4901</td>
<td>Directed Reading</td>
<td>1-4</td>
</tr>
<tr>
<td>ANT 4907</td>
<td>Individual Research</td>
<td>2-4</td>
</tr>
<tr>
<td>ANT 4930</td>
<td>Special Topics in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4952</td>
<td>Honors Seminar</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4955</td>
<td>Rethinking Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4970</td>
<td>Honors Thesis</td>
<td>3</td>
</tr>
<tr>
<td>ANT 5915</td>
<td>Individual Research</td>
<td>2-4</td>
</tr>
<tr>
<td>ANT 5937</td>
<td>Seminar in Anthropology</td>
<td>2-4</td>
</tr>
</tbody>
</table>

### Astronomy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2005</td>
<td>Astronomy of the Solar System</td>
<td>3</td>
</tr>
<tr>
<td>AST 2006</td>
<td>Stellar Astronomy and Cosmology</td>
<td>3</td>
</tr>
<tr>
<td>AST 2032</td>
<td>Illustrative Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Contemporary Thinking in Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3044</td>
<td>Archaeoastronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3652</td>
<td>Navigation</td>
<td>3</td>
</tr>
<tr>
<td>AST 3930</td>
<td>Selected Topics in Astronomy</td>
<td>1-4</td>
</tr>
<tr>
<td>AST 5506</td>
<td>Introduction to Celestial Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>AST 5932</td>
<td>Selected Topics in Astronomy</td>
<td>1-5</td>
</tr>
</tbody>
</table>

### Bachelor of Independent Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4909</td>
<td>BIS Humanities, Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4939</td>
<td>BIS Humanities, Seminar</td>
<td>3</td>
</tr>
<tr>
<td>IDS 4990</td>
<td>BIS Inter-Area Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ISC 4909</td>
<td>BIS Natural Sciences, Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>ISC 4939</td>
<td>BIS Natural Sciences, Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4909</td>
<td>BIS Social Sciences, Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4939</td>
<td>BIS Social Sciences, Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

### Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3373</td>
<td>Vascular Plants: Form and Function</td>
<td>4</td>
</tr>
<tr>
<td>BOT 3850C</td>
<td>Medical Botany</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4143C</td>
<td>Field Botany</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4223C</td>
<td>Plant Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>Mycology</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>Plant Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4503L</td>
<td>Plant Physiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4810C</td>
<td>Economic Botany</td>
<td>3</td>
</tr>
<tr>
<td>BOT 5185C</td>
<td>Marine Botany</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1055</td>
<td>Principles of Biology For Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I: Cellular Processes</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Biology I: Cellular Processes Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II Diversity</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2011L</td>
<td>Biology II Diversity Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2022</td>
<td>Biology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2093</td>
<td>Human Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2094</td>
<td>Human Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2932</td>
<td>Selected Topics in Biology</td>
<td>4-14</td>
</tr>
<tr>
<td>BSC 3263C</td>
<td>Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4057</td>
<td>Environmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4402L</td>
<td>Biological Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4905</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>BSC 4910</td>
<td>Undergraduate Research</td>
<td>1-4</td>
</tr>
<tr>
<td>BSC 4931</td>
<td>Honors Seminar I</td>
<td>2</td>
</tr>
<tr>
<td>BSC 4932</td>
<td>Honors Seminar II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4933</td>
<td>Selected Topics in Biology</td>
<td>1-3</td>
</tr>
<tr>
<td>BSC 4970</td>
<td>Biology Honors Thesis</td>
<td>3</td>
</tr>
<tr>
<td>BSC 5931</td>
<td>Selected Topics in Biology</td>
<td>1-3</td>
</tr>
<tr>
<td>ENY 3004</td>
<td>Introduction to Entomology</td>
<td>3</td>
</tr>
<tr>
<td>ENY 5505</td>
<td>Aquatic Entomology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 3047C</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4115</td>
<td>Determinative Bacteriology</td>
<td>5</td>
</tr>
<tr>
<td>MCB 4404</td>
<td>Microbial Physiology and Genes</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4404L</td>
<td>Microbial Physiology and Genetics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MCB 4502C</td>
<td>Virology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4910</td>
<td>Microbiology Undergraduate Research</td>
<td>1-4</td>
</tr>
<tr>
<td>MCB 4934</td>
<td>Seminar in Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>MCB 5206</td>
<td>Public Health and Pathogenic Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 5815</td>
<td>Medical Mycology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 1511</td>
<td>Molecular and Human Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 1910</td>
<td>Topics in Biomedical Science</td>
<td>3</td>
</tr>
<tr>
<td>PCB 30233</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3023L</td>
<td>Cell Biology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3043</td>
<td>Principles of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3043L</td>
<td>Principles of Ecology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>General Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>General Genetics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4064C</td>
<td>Experimental Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4674</td>
<td>Organic Evolution</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4723L</td>
<td>Animal Physiology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5235</td>
<td>Principles of Immunology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5256</td>
<td>Developmental Biology</td>
<td>5</td>
</tr>
<tr>
<td>PCB 5308</td>
<td>Limnology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5415</td>
<td>Behavioral Ecology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5525</td>
<td>Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5615C</td>
<td>Evolutionary Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5645C</td>
<td>Principles of Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 2303</td>
<td>Vertebrate Zoology</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 3205C</td>
<td>Advanced Invertebrate Zoology</td>
<td>4</td>
</tr>
</tbody>
</table>
**Chemistry**

- BCH 3023 Introductory Biochemistry (3)
- BCH 3023L Basic Biochemistry Laboratory (2)
- BCH 4034 Advanced Biochemistry (3)
- BCH 5045 Biochemistry Core Course (3)
- CHM 2021 Chemistry For Today -NS (4)
- CHM 2030 Introduction to General, Organic and Biochemistry (4)
- CHM 2045 General Chemistry I -NS (3)
- CHM 2045L General Chemistry I Laboratory (1)
- CHM 2046 General Chemistry II -NS (3)
- CHM 2046L General Chemistry II Laboratory (1)
- CHM 2200 Organic Chemistry (4)
- CHM 2210 Organic Chemistry I (3)
- CHM 2210L Organic Chemistry Laboratory I (2)
- CHM 2211 Organic Chemistry II (3)
- CHM 2211L Organic Chemistry Laboratory II (2)
- CHM 3032 Selected Topics in Chemistry (3)
- CHM 3120C Elementary Analytical Chemistry (4)
- CHM 3300 Elementary Physical Chemistry I (3)
- CHM 3301 Elementary Physical Chemistry II (3)
- CHM 3402L Elementary Physical Chemistry Laboratory (1)
- CHM 3610 Intermediate Inorganic Chemistry (3)
- CHM 3610L Intermediate Inorganic Chemistry Laboratory (1)
- CHM 4060 Use of the Chemical Literature (1)
- CHM 4070 Historical Perspectives in Chemistry -6A MW (3)
- CHM 4130C Methods of Chemical Investigation I (4)
- CHM 4131C Methods of Chemical Investigation II (4)
- CHM 4300 Biomolecules (3)
- CHM 4410L Physical Chemistry I (3)
- CHM 4411L Physical Chemistry II (2)
- CHM 4412 Physical Chemistry III (3)
- CHM 4611 Advanced Inorganic Chemistry (3)
- CHM 4932 Selected Topics in Chemistry (1-3)
- CHM 4970 Graduate Research (1-3)
- CHM 5225 Intermediate Organic Chemistry (3)
- CHM 5225L Intermediate Organic Chemistry Laboratory (1)
- CHM 5425 Applications in Physical Chemistry (3)
- CHM 5452 Polymer Chemistry (3)
- CHM 5621 Principles of Inorganic Chemistry (3)
- CHM 5631 Selected Topics in Chemistry (1-3)
- CHS 4000 Fundamentals of Clinical Chemistry (3)
- CHS 4301L Clinical Laboratory (1)
- CHS 4302L Clinical Chemistry Practice (2-12)
- ISC 1004 Integrated Natural Sciences I: Science that Matters -NS (3)
- ISC 1005 Integrated Natural Sciences II: Science that Matters -NS (3)

**Communication**

- COM 2000 Introduction to Communication -SS (3)
- COM 3014 Communication, Gender and Identity (3)
- COM 3110 Communication For Business and the Professions (3)
- COM 3120 Introduction to Communication Theory in Organizations (3)
- COM 3122 Interview Communication (0)
- COM 4020 Communicating Illness, Grief, and Loss -6A (3)
- COM 5222 Health Communication (3)
- COM 4030 Women and Communication -6A MW (3)
- COM 4124 Communication and Organizational Change (3)
- COM 4710 Writing Lives -6A (3)
- COM 4942 Communication Intern Seminar (2)
- COM 5930 Topics in Communication Studies (3)
- ORI 2000 Introduction to Communication As Performance (3)
- ORI 3950 Communication As Performance Lab (1-3)
- ORI 4920 Performance of Poetry (3)
- ORI 4310 Group Performance of Literature (3)
- ORI 4931 Performance and Video (3)
- ORI 5930 Topics in Performance Genres (3)
- SPC 2521 Persuasion -SS (3)
- SPC 2600 Public Speaking -SS (3)
- SPC 3212 Communication Theory -SS (3)
- SPC 3230 Rhetorical Theory -HP (3)
- SPC 3331 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 3680 Rhetorical Analysis (3)
- SPC 3710 Communication and Cultural Diversity -SS (3)
- SPC 4201 Oral Tradition -MW (3)
- SPC 4305 Communications Emotions -6A (3)
- SPC 4310 Relationships on Film (3)
- SPC 4431 Family Communication (3)
- SPC 4632 Rhetoric and Social Change -6A MW (3)
- SPC 4683 Rhetorical Analysis of Mass Media (3)
- SPC 4714 Communication, Culture and Community -MW (3)
- SPC 4900 Directed Study (1-3)
- SPC 4903 Honors Readings (1-3)
- SPC 4905 Undergraduate Research (1-3)
- SPC 4930 Selected Topics (1-3)
- SPC 4932 Senior Seminar in Communication (3)
- SPC 4951 Honors Thesis (3)
- SPC 5930 Topics in Discourse (3)

**Communication Sciences and Disorders**

- SPA 3002 Introduction to Disorders of Speech and Language -SS (3)
- SPA 3003 Intro to Language Development and Disorders (3)
- SPA 3011 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 4050L 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 4555 Counseling of Communicatively Handicapped and Family (3)
- SPA 4613C Intermediate American Sign Language (4)
- SPA 4614C Advanced American Sign Language (3)
- SPA 4615L American Sign Language Laboratory (1)
- SPA 4617 Structure of Sign Language (3)
- SPA 4662 Interpreting in Public Schools I Lab (1)
- SPA 4663 Interpreting in Public Schools II Lab (1)
- SPA 4663L Interpreting in Public Schools II Lab (1)
- SPA 4685 Practicum: Interpreting in Schools (1-8)
- SPA 4930L Selected Topics (3)
- SPA 5132 Audiology Instrumentation (2)
- SPA 5150 Advanced Speech Science (3)
- SPA 5150L Speech Science Instrumentation (2)
- SPA 5303 Advanced Hearing Science (3)
- SPA 5312 Periperal and Central Auditory Tests (4)
- SPA 5328 Aural Rehabilitation: Adults (3)
- SPA 5403 Communication Disorders: Language (3)
- SPA 5405 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)
CRIMINOLOGY

CCJ 3003 Crime and Justice in America -SS (4)
CCJ 3024 Survey of the Criminal Justice System -SS (3)
CCJ 3200 Substantive Criminal Law (3)
CCJ 3310 Theories of Criminal Behavior (3)
CCJ 3621 Patterns of Criminal Behavior (3)
CCJ 3701 Research Methods in Criminal Justice I (3)
CCJ 4109 Critical Issues in Policing (3)
CCJ 4110 American Law Enforcement Systems (3)
CCJ 4280 Environmental Law and Crime (3)
CCJ 4273 Criminal Rights and Procedures (3)
CCJ 4282 Correctional Law (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 Juvenile 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 4933 Selected Topics in Criminal Justice (1-3)
CCJ 4934 Seminar in Criminal Justice -6A MW (3)
CCJ 4940 Internship For Criminal Justice Majors (3)
CCJ 4100 Criminal Investigation (3)

ECONOMICS

ECO 1000 Basic Economics -SS (3)
ECO 2013 Economic Principles (Microeconomics) -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 Income & Monetary Analysis (3)
ECO 3622 American Economic History (3)
ECO 3633 International Economics -MW (3)
ECO 4105 Advanced Price Theory (3)
ECO 4201 Advanced Macroeconomic Theory (3)
ECO 4303 History Of Economic Thought (3)
ECO 4523 Radical Political Economy -6A (3)
ECO 4401 Introduction to Mathematical Economics (3)
ECO 4421 Introduction to Econometrics (3)
ECO 4504 Public Finance (3)
ECO 4713 International Monetary Relations (3)
ECO 4723 International Commercial Policies (3)
ECO 4905 Independent Study (1-3)
ECO 4914 Independent Research (1-3)
ECO 4935 Selected Topics in Economics (1-3)
ECO 2001 Survey of Micro and Macroeconomics (3)
ECO 3201 The 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 Economies of the Urban Environment (3)
ECO 4202 Collective Bargaining and Public Policy (3)
ECO 4451 Law and Economics (3)
ECO 4505 Economics of Crime (3)
ECO 3013 Economic Development (3)
ECO 4003 Comparative Economic Systems -MW (3)

ENGLISH

AMC 3031 American Literature From the Beginnings to 1860 (3)
AMC 3032 American Literature From 1860 to 1912 (3)
AMC 3051 American Literature From 1912-1945 (3)
AMC 1053 Historical Perspectives in Early American Literature -6A (3)
AMC 3604 African American Literature -6A LW (3)
AMC 4111 Nineteenth-Century American Novel (3)
AML 4121 Twentieth-Century American Novel (3)
AML 4361 Literature of the South (3)
AML 4303 Zora Neale Hurston: Major Works -6A MW LW (3)
AML 4330 Selected American Authors (3)
AML 4624 Black Women Writers -6A LW (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 4930 Selected Topics in Creative Writing (3)
ENC 1101 Freshman English 1 -6A EC (3)
ENC 1102 Freshman English II -6A EC (3)
ENC 1121 Freshman English: Honors -6A EC (3)
ENC 1122 Freshman English II: Honors -6A EC (3)
ENC 2210 Technical Writing -6A (3)
ENC 3211 Communication for Engineers (3)
ENC 3213 Professional Writing -6A (3)
ENC 3310 Expository 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 (4)
ENG 4006 Individual Research (1-3)
ENG 4907 Directed Reading (3)
ENL 3015 British Literature to 1616 (3)
ENL 3320 British Literature 1616-1780 (3)
ENL 3251 British Literature 1780-1900 (3)
ENL 3273 British Literature 1900-1945 (3)
ENL 3323 Shakespeare from an Historical Perspective -HP (3)
ENL 3331 Early Shakespeare (3)
ENL 3332 Late Shakespeare (3)
ENL 4122 British Novel Through Hardy (3)
ENL 4131 British Novel: Conrad to the Present (3)
ENL 4171 History of British Drama to 1912 (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 4880 Structure of American English (3)
LIT 3045 Introduction to Literature -6A HP (3)
LIT 2100 Introduction to Fiction -6A HP (3)
LIT 2021 Current Short Fiction (3)
LIT 2030 Introduction to Poetry -6A HP (3)
LIT 2302 Introduction to Drama -6A HP (3)
LIT 2901 Selected Topics in English Studies (3)
LIT 3022 Modern Short Novel -HP (3)
LIT 3034 Modern Drama (3)
LIT 3073 Contemporary Literature -6A LW (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 MW LW (3)
LIT 3144 Modern European Novel -6A HP (3)
LIT 3155 Modern Literature -6A MW LW (3)
LIT 3301 Cultural Studies of 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 3431 Literature and the Occult -6A MW LW (3)
LIT 3700 Survey of Poetry (3)
LIT 4366 British and American Literature by Women -6A MW LW (3)
LIT 4385 Literature as Cultural Study -MW (3)
LIT 4930 Selected Topics in English Studies (3)
REA 1105 Advanced Reading (3)
REA 1605 Learning Strategies Within Academic Disciplines (2)
REA 2905 Vocabulary (3)

ENVIRONMENTAL SCIENCE AND POLICY

EVR 2001 Introduction to Environmental Science (3)
EVR 2001L Environmental Science Lab (1)
EVR 2861 Introduction to Environmental Policy (3)
### Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEA 2000</td>
<td>Global Geography - SS HP AF</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3194</td>
<td>Regional Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3300</td>
<td>Geography of Middle America</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3405</td>
<td>Geography of Latin America - 6A</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3500</td>
<td>Geography of Europe - 6A</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3548</td>
<td>Geography of the USSR</td>
<td>4</td>
</tr>
<tr>
<td>GEA 3563</td>
<td>Geography of Africa</td>
<td>4</td>
</tr>
<tr>
<td>GEA 5200</td>
<td>Geography of Asia</td>
<td>4</td>
</tr>
<tr>
<td>GEE 1930</td>
<td>Geography of Current Events - SS</td>
<td>4</td>
</tr>
<tr>
<td>GEO 2014C</td>
<td>Map Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>GEO 2371</td>
<td>Introduction to Earth Systems Science - NS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3013L</td>
<td>Introduction to Physical Geography - NS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3164C</td>
<td>Quantitative Methods</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3302C</td>
<td>Digital Thematic Mapping</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4302</td>
<td>Human Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3602</td>
<td>Urban Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4114C</td>
<td>Geographic Techniques and Methodology</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4131C</td>
<td>Remote Sensing of the Environment</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4151C</td>
<td>Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4201C</td>
<td>Advanced Physical Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4210</td>
<td>Process Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4280C</td>
<td>Hydrology</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4401</td>
<td>Biogeography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4340</td>
<td>Natural Hazards</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4372L</td>
<td>Global Conservation - 6A MW</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4521</td>
<td>Cultural Geosciences</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4470</td>
<td>Political Geography - MW</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4502</td>
<td>Economic Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4604</td>
<td>Urban Geography - MW</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>Transportation Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4900</td>
<td>Directed Reading</td>
<td>1-4</td>
</tr>
<tr>
<td>GEO 4910</td>
<td>Individual Research</td>
<td>1-4</td>
</tr>
<tr>
<td>GEO 5134C</td>
<td>Advanced Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5157</td>
<td>Advanced Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5177</td>
<td>GIS for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5215</td>
<td>Advances in Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5538</td>
<td>Advanced Soils</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5347</td>
<td>Advances in Natural Hazards</td>
<td>3</td>
</tr>
<tr>
<td>GEA 547S</td>
<td>Advanced Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5545</td>
<td>Advanced Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5701</td>
<td>Contemporary Urban Issues</td>
<td>3</td>
</tr>
<tr>
<td>GEA 5704</td>
<td>Advanced Transportation Geography</td>
<td>3</td>
</tr>
<tr>
<td>MET 4002</td>
<td>Climatology</td>
<td>4</td>
</tr>
<tr>
<td>MET 4010C</td>
<td>Meteorology</td>
<td>4</td>
</tr>
<tr>
<td>URP 4052</td>
<td>Urban and Regional Planning</td>
<td>4</td>
</tr>
</tbody>
</table>

### Geology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 2010</td>
<td>Dynamic Earth: Introduction to Physical Geology - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010L</td>
<td>Dynamic Earth Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GLY 2036</td>
<td>Environmental Geology - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2038</td>
<td>Earth and Environmental Systems - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2040</td>
<td>Origins: From the Big Bang to the Ice Age - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2050</td>
<td>Science, Earth and Life - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2100</td>
<td>History of the Earth and Life - NS</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2100L</td>
<td>Earth History Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GLY 2360</td>
<td>Selected Topics in Geology</td>
<td>1-5</td>
</tr>
<tr>
<td>GLY 3200</td>
<td>Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>GLY 3400C</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>GLY 3554C</td>
<td>The Earth's Surface</td>
<td>4</td>
</tr>
<tr>
<td>GLY 3610C</td>
<td>Introduction to Invertebrate Paleontology</td>
<td>4</td>
</tr>
<tr>
<td>GLY 3800</td>
<td>The Fluid Earth</td>
<td>4</td>
</tr>
<tr>
<td>GLY 3850</td>
<td>Geology For Engineers</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4045</td>
<td>Moons, Planets, and Meteors: An Introduction to Planetary Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4053</td>
<td>Theories and Arguments about the Earth - MW</td>
<td>3</td>
</tr>
<tr>
<td>GLY 4310</td>
<td>Petrology</td>
<td>4</td>
</tr>
<tr>
<td>GLY 4550</td>
<td>Depositional Systems</td>
<td>4</td>
</tr>
<tr>
<td>GLY 4560C</td>
<td>Sedimentary Geology and Geochemistry</td>
<td>4</td>
</tr>
<tr>
<td>GLY 4700</td>
<td>Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>GLY 4730</td>
<td>Marine Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

### History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHF 3100</td>
<td>African History to 1850 - HP AF</td>
<td>3</td>
</tr>
<tr>
<td>AHF 3200</td>
<td>African History since 1850 - HP AF</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>American History I - HP</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II - HP</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3110</td>
<td>American Colonial History to 1750</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3320</td>
<td>The American Revolutionary Era</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3340</td>
<td>The Age of Jefferson</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3160</td>
<td>The Age of Jackson</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3170</td>
<td>The Civil War and Reconstruction</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3331</td>
<td>The United States, 1771-1914</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3231</td>
<td>The United States, 1914-1945</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3270</td>
<td>The United States Since 1945</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3403</td>
<td>The South since 1865</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3421</td>
<td>Early Florida</td>
<td>4</td>
</tr>
<tr>
<td>AMH 4323</td>
<td>Modern Florida</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3500</td>
<td>American Labor History</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3510</td>
<td>U.S. Diplomatic History to 1898 - 6A</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3511</td>
<td>U.S. Diplomatic History in the 20th Century</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3530</td>
<td>Immigration History</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3540</td>
<td>United States Military History</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3545</td>
<td>War and American Empire</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3561</td>
<td>American Women I</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>American Women II</td>
<td>4</td>
</tr>
<tr>
<td>AMH 3800</td>
<td>History of Canada</td>
<td>4</td>
</tr>
<tr>
<td>ASH 3404</td>
<td>Modern China - SS HP AF</td>
<td>4</td>
</tr>
<tr>
<td>ASH 3601</td>
<td>History of India</td>
<td>4</td>
</tr>
<tr>
<td>EUH 2011</td>
<td>Ancient History I - HP</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2012</td>
<td>Ancient History II - HP</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2021</td>
<td>Medieval History I - HP</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2031</td>
<td>Medieval History II - HP</td>
<td>3</td>
</tr>
<tr>
<td>EUH 3142</td>
<td>Renaissance and Reformation</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3160</td>
<td>Medieval Culture</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3185</td>
<td>Viking History</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3188</td>
<td>Medieval Society</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3189</td>
<td>Medieval Politics</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3202</td>
<td>History of 17th and 18th Century Europe</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3205</td>
<td>History of Nineteenth Century Europe</td>
<td>4</td>
</tr>
<tr>
<td>EUH 3206</td>
<td>History of Twentieth Century Europe</td>
<td>4</td>
</tr>
</tbody>
</table>
HUM 4938 Major Issues in the Humanities -MW (3)
HUM 4939 Internship in Humanities (3-A)
HUM 4941 Study on Location (1-4)
PGY 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 3010 Introduction to the Social Sciences (3)
ISS 3930 Selected Topics in the Social Sciences (1-4)
ISS 4151 Native American Women (3)
ISS 4182 The City and Urbanization (3)
ISS 4164 Urban Social Issues: An Interdisciplinary Approach (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 3054 International Human Rights -MW (3)
INR 3081 International Issues and Actors (3)
INR 3094 International Terrorism -SS AF (3)
INR 3141 Global Security Policy (3)
INR 3336 Intelligence and U.S. Foreign Policy (3)
INR 3955 Overseas Study (1-6)
INR 4089 Conflict In The World -MW (3)
INR 4250 The 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 (3-6)
LAS 3105 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 (1-3)
ARA 4930 Selected Topics (1-5)
CHI 1120 Modern Chinese I (4)
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 (1-3)
FOL 4905 Directed Study (1-3)
FOL 5906 Directed Study (1-3)
FRE 1040 French For Reading (3)
FRE 1120 Beginning French I (4)
### COLLEGE OF ARTS AND SCIENCES

**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 3700 Retail Advertising Planning and Execution (3)
- ADV 4800 Advertising Campaigns (3)
- ADV 4940 Advertising Practicum (1)
- FIL 3004 The Film as Mass Communication I: Syntax (3)
- FIL 3400 The Film as Mass Communication II: Rhetoric and Stylistics (3)
- FIL 4404 Social History of the Film, 1945 to the Present (3)
- JOU 2100 Beginning Reporting (3)
- JOU 2200 News Editing I (3)
- JOU 3101 Advanced Reporting (3)
- JOU 3300 Magazine Article and Feature Writing (3)
- JOU 3306 Critical Writing: Editorsials, Reviews, Columns (3)
- JOU 3940 Reporting Practicum (1)
- JOU 4104 Public Affairs Reporting (3)
- JOU 4206 Newspaper Design and Typography (3)
- JOU 4941 Editing Practicum (1)
- JOU 4944 Magazine Practicum (1)
- JOU 5105 Newswriting and Editing (3)
- JOU 5305 Explorations in Newswriting (3)
- MMC 2100 Writing for the Mass Media (3)
- MMC 3602 Mass Communications and Society -SS HP (3)
- MMC 4423 Media Script Writing (3)
- MMC 4420 History and Principles of Communications Law (3)
- MMC 4203 Communication Ethics (3)
- MMC 4420 Research Methods in Mass Communications (3)
- MMC 5400 Directed Reading in Mass Communications (1-3)
- MMC 4910 Individual Research in Mass Communications (1-3)
- MMC 4936 Selected Topics in Mass Communications Studies (1-3)
- MMC 4945 Media Internship-Seminar (3)
- PGY 2100C Color Photography (3)
- PGY 3610 Photocopying I (3)
- PGY 3620 Photocopying II (3)
- PUR 3000 Principles of Public Relations (3)
- PUR 4100 Writing For Public Relations (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 3001 Introduction to Telecommunications (3)
- RTV 3301 Broadcast News (4)
- RTV 3941 Radio Practicum (1)
- RTV 4220 TV Production and Direction (3)
- RTV 4304 TV News (3)
- RTV 4320 Electronic Field Production (3)
- RTV 4500 Telecommunications Programming (3)
- RTV 4520 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 4211 Intermediate Analysis I -6A (4)
- MAA 4212 Intermediate Analysis II -6A (3)
- MAA 4402 Complex Variables -6A (3)
- MAA 5306 Real Analysis I (3)
- MAA 5307 Real Analysis II (3)
- MAA 5405 Applied Complex Analysis (3)
- MAC 1114 College Trigonometry -6A (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 2381 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 QM (4)
- MAD 3100 Discrete Mathematics -6A (3)
- MAD 4401 Numerical Analysis -6A (3)
- MAD 4504 Theory of Computation (3)
- MAD 5101 LISP: Programming With Algebraic Applications (3)
- MAD 5305 Graph Theory (3)

### Learning Communities
- IDS 2130 Biology for Learning Communities (3)
- IDS 2665 Social Science Perspectives I (3)
- IDS 2666 Social Science Perspectives II (3)
- IDS 2667 Historical Perspectives I (3)
- IDS 2668 Historical Perspectives II (3)
- IDS 2931 Selected Topics -HP (3)
- IDS 2932 Selected Topics -HP (3)
- IDS 2933 Selected Topics III -SS (3)
- IDS 2934 Selected Topics IV -SS (3)
- IDS 2935 Selected Topics V -FA (3)
- IDS 2936 Selected Topics VI -AF (3)
- IDS 3668 Writing Culture: Images of Culture in the Modern World (3)

### Liberal Studies
- IDS 4930 Selected Topics (1-4)

### Library and Information Science
- LIS 2001 Library and Information Skills (3)
- LIS 2002 Introduction to the Internet (3)
- LIS 2937 Selected Topics in Library/Information Science (1-3)
- LIS 3361 World Wide Web Page Design and Management (3)
- LIS 4830 Selected Topics in Information Studies (3)
- LIS 5268 Microcomputer Applications Library and Information Centers (3)
- LIS 5335 Instructional Graphics (3)
- LIS 5337 TV in Schools and Libraries (3)
- LIS 5404 Foundations of Library and Information Science (3)
- LIS 5537 Selected Topics in Library Studies (1-4)

### Marine Science
- OCE 2001 Introduction to Oceanography -NS (3)
- OCE 4930 Selected Topics in Marine Science (1-4)
COLLEGE OF ARTS AND SCIENCES

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

INR 4502 International Organizations -SS AF (3)
INR 5066 Issues in International Relations (3)
POS 2041 American National Government (3)
POS 2080 The American Political Tradition -SS HP (3)
POS 2112 State and Local Government and Politics (3)
POS 4412 Introduction to Urban Politics and Government (3)
POS 3145 Governing Metropolitan Areas (3)
POS 3173 Southern Politics (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 3897 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 I (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)
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 4661 The Politics of Identity, Difference and Inequality -MW (3)
POT 4036 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 5007 Public Policy and Health Care (3)
URP 4050 City Planning and Community Development (3)

Psychology

CBH 4004 Comparative Psychology (3)
CLP 3003 Psychology of Adjustment -SS (3)
CLP 4143 Abnormal Psychology (3)
CLP 4144 Behavior Modification (3)
CLP 4433 Psychological Tests and Measurement (3)
DEP 3103 Child Psychology -SS (3)
DEP 4005 Developmental Psychology (3)
DEP 4035 Psycholinguistic and Development (3)
EXP 4104 Sensory Processes (3)
EXP 4204 Perception (3)
EXP 4304 Motivation (3)
EXP 4404 Psychology of Learning (3)
EXP 4523 Cognitive Psychology (3)
EXP 4640 Psychology of Language (3)
INP 2101 Applied Psychology -SS (3)
INP 4004 Industrial Psychology (3)
PPE 4004 Personality (3)
PSB 4013C Physiological Psychology (3)
PSY 2012 An Introduction to Contemporary Psychology -SS (3)
PSY 3044 Experimental Psychology -SS (3)
PSY 3213 Research Methods in Psychology (4)
PSY 4205 Experimental Design and Analysis (4)
PSY 4510 Supervised Practicum and Field Experience in Applied Behavior Analysis (1-6)
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 4970 Honors Thesis (1-3)
SOP 4004 Social Psychology (3)
SOP 4714C Environmental Psychology (3)

Public Administration

PAD 3003 Introduction to Public Administration -SS (3)
PAD 4204 Public Financial Administration (3)
PAD 5035 Issues in Public Administration and Public Policy (3)
PAD 5333 Concepts and Issues in Public Planning (3)
PAD 5505 Administrative Law (3)
PAD 5601 Research Methods in Public Administration (3)
PAD 5807 Administration of Urban Affairs (3)
PAD 5836 Comparative Public Administration (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 I (3)
RCS 5700 Legal, Ethical, Professional Standards and Issues in Counseling (3)
RCS 5802 Practicum I (1)
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 (3)
REL 2300 Introduction to World Religions -6A HP (4)
REL 3506 Contemporary World Religions -6A HP (4)
REL 3500 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 3155 Life After Death -6A MW (3)
REL 3170 Religion, Ethics and Society Through Film -6A SS HP (4)
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 (4)
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 (2)
REL 3900 Directed Readings (1-4)
REL 3936 Selected Topics (1-4)
REL 4113 The Hero and Religion -6A MW (3)
REL 4133 Mormonism in America -MW (3)
REL 4160 Egyptian Religions (3)
REL 4161 Religion, Technology and Society (3)
REL 4171 Contemporary Christian Ethics -6A MW (4)
REL 4177 Comparative Religious Ethics -6A MW LW (4)
REL 4193 Comparative Mysticism (4)
REL 4221 Who Wrote the Bible (Genesis-Kings) -6A MW LW (4)
REL 4250 Jesus Life and Teachings (4)
REL 4333 Hinduism (4)
REL 4343 Buddhism in India, Sri Lanka, and South East Asia (4)
REL 4344 Buddhism in China, Japan, and Tibet (4)
REL 4626 Reason in Religion: Talmudic Logic -MW (3)
REL 4670 Judaism and Christianity After the Holocaust -6A MW LW (4)
REL 4910 Undergraduate Research (1-4)
REL 4930 Selected Topics (3)
REL 4931 Seminar in Religion (3)
REL 4936 Selected Topics (1-4)
REL 4939 The Development of Religious Studies (3)

USF
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 3302 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 (6)
SOW 4522 Senior Seminar: Multicultural America (3)
SOW 4900 Directed Readings (1-9)
SOW 4910 Directed Research (1-6)
SOW 4930 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 3300 Research Methods (3)
SYA 3310 Qualitative Inquiry -6A LW (3)
SYA 3700 Sociology of Sexualities (3)
SYA 4910 Individual Research (1-3)
SYA 4930 Topics in Sociology (3)
SYA 4935 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 4020 Global Population (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 3500 Social Organization (3)
SYO 3530 Social 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)
SYP 3000 Social Psychology -SS (3)
SYP 3562 Family Violence (3)
SYP 4423 Consumer Culture -MW LW (3)
SYP 4510 Sociological Aspects of Deviance (3)
SYP 4530 Sociology of Juvenile Delinquency (3)
SYP 4640 Leisure in Society (3)
SYP 4650 Sport in Society (3)
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 American Assembly of Collegiate Schools of Business (AACSB).

The undergraduate curriculum which 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 southwest side of 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: ACX X021 Financial Accounting (or ACG X001 & ACG X011)
   (not required of students majoring in Accounting)
   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

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, AA students should avoid taking any business courses at the junior/community college which 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 which 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:

GPA: 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 Composition 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
International Course Requirement: All business students are required to select at least one course that deals with contemporary international topics. This course can be included in the business, non-business, or elective category. Consult with a business advisor for suggestions on acceptable courses.

No S/U courses in major or minor: All courses in the major or minor field and all foundation coursework in business must be taken on a graded basis; the S/U option is not available.

**DEGREE REQUIREMENTS**

<table>
<thead>
<tr>
<th>NON-BUSINESS (54 hrs. minimum)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General Education Requirements*</td>
<td>6</td>
</tr>
<tr>
<td>a. English Composition</td>
<td>6</td>
</tr>
<tr>
<td>b. Quantitative Methods (Calculus is required)</td>
<td>6</td>
</tr>
<tr>
<td>c. Natural Sciences</td>
<td>6</td>
</tr>
<tr>
<td>d. Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>e. Historical Perspectives</td>
<td>6</td>
</tr>
<tr>
<td>f. Fine Arts</td>
<td>6</td>
</tr>
<tr>
<td>g. African, Latin American, Middle Eastern, or Asian Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>36</td>
</tr>
<tr>
<td>2. Liberal Arts Exit Requirements*</td>
<td>6</td>
</tr>
<tr>
<td>a. Major Works and Major Issues</td>
<td>6</td>
</tr>
<tr>
<td>b. Literature and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>9</td>
</tr>
<tr>
<td>*See Liberal Arts Requirements for more details</td>
<td></td>
</tr>
<tr>
<td>3. Speech/Writing Requirements for Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>a. SPC 2600 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>3</td>
</tr>
<tr>
<td>b. ENC 3213 Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3310 Expository Writing or equivalent</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>6</td>
</tr>
<tr>
<td>4. Additional elective credits</td>
<td>6</td>
</tr>
<tr>
<td>Students may or may not need to take additional hours to meet the minimum of 54 non-business credits (see “Electives” heading below for a suggested course)</td>
<td></td>
</tr>
<tr>
<td>Total non-business credit hours</td>
<td>54</td>
</tr>
</tbody>
</table>

**BUSINESS (60-69 hrs. minimum)**

1. Foundation Courses in Business
   - ACG 2021 Principles of Financial Accounting: 3
   - ACG 2071 Principles of Managerial Accounting: 3
   - CGS 2100 Computers in Business: 3
   - ECO 2013 Economic Principles: Macroeconomics: 3
   - ECO 2023 Economic Principles: Microeconomics: 3
   - QMB 2100 Business & Economic Statistics I: 3
   - BUL 3320 Law and Business I: 3
   - ECO 3100 Managerial Economics: 3
   - FIN 3403 Principles of Finance: 3
   - QMB 3200 Business & Economic Statistics II: 3
   - MAN 3025 Principles of Management: 3
   - MAR 3023 Basic Marketing: 3
   - GEB 4890 Business Policy: 3

2. Major Requirements (specific courses for each major are listed in the “Departments and Programs” section below): 18-27

3. Business Electives (sufficient electives to meet 60 credit hour minimum in Business): 0-3

Minimum Business Credits: 60-69

**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, and Information Systems Management
- Lakeland: Accounting and 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 of pre-business courses 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**

Usual office hours are 9 a.m. – 5 p.m., Monday through Friday. Some offices are open at 8 a.m. or until 6, Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

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 and, in some instances, other disciplines related to the student’s plan of study.

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 courses beyond the foundation coursework in business. Students are required to take one upper-level course from each of the following groups:

- Accounting:
  - ACG 3103 Intermediate Financial Accounting I
  - ACG 3341 Cost Accounting and Control I
  - TAX 4001 Concepts of Federal Income Taxation
Economics:
Any course offered by the Economics Department numbered 3000 or above 3

Finance:
Any course offered by the Finance Department numbered 3000 or above (except FIN 3100 and FIN 3105) 3

Management:
MAN 3240 Organizational Behavior Analysis 3
MAN 3301 Human Resources Management 3
ISM 301 Management Information Systems 3

Marketing:
MAR 3823 Marketing Management 3
MAR 3613 Marketing Research 3

Other upper-level business electives* 3-9
Total 18-24

*Independent study and independent research courses are not appropriate electives.

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
   MAN 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 accounting 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 accounting.

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 Requirements 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 4123 Intermediate Financial Accounting II 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 5671 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 can use the forgiveness policy only once in upper-level accounting courses. Accounting courses taken by accounting majors on an S/U 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” 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 3
   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 Requirements 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 Income & Monetary Analysis 3
   15 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. 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
   ECO 2023 Economic Principles: Microeconomics 3
   Upper-level economics electives (including QMB 3200) 12
   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.

2. Before being recognized as a minor in economics, a student must obtain program approval by the Economics Department Undergraduate Advisor.

3. 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.

4. 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 Crimes 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.

• 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 development 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 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
   FIN 4303 Financial Institutions and Markets 3
   FIN 4414 Advanced Corporation Finance 3
   Another upper-level Finance Elective with an
   FIN, REE, or RMI prefix 3
   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 3230 Introduction to Business Application Development 3
ISM 3232 Adv. 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
Approved MIS Electives*** 6
Total 24

*ISM3230 (Introduction to Business Application Development) is to be taken before, or concurrently with, ISM3113 (Systems Analysis and Design), which is a prerequisite for all other required MIS courses. Normally ISM3113 should be completed by the end of the first semester of the junior year.
Requirements for a Minor in MIS (for Business majors only): Students majoring in Business Administration may minor in MIS.

The requirements are:
1. ISM 3230 Introduction to Business Application Development 3
   ISM 3113 Systems Analysis and Design
   (P/R/CR ISM 3230) 3
   *Plus, any 2 of the following:
   ISM 3232 Advanced Business Application Development 6
ISM 4212 Database Administration
ISM 4220 Business Data Communication
Total MIS hours T2
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.

• 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 3026.

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
   Management electives approved by department chair 9
   Total Management 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 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, 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, 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.

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 Management. 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) 9
   Total Marketing 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 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 complete 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 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 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 Monetary Economics
- ECO XXXX Economics of Latin America
- FIN 3604 International Finance
- MAN 4500 International Management
- MAR 4566 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:

- Couple their study of international business with a major or minor in one of the functional areas of business. The combination of international business and one of the traditional functional areas of business administration is a very attractive set of qualifications in the marketplace.
- 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 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.

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.

Omicon 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.
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 2350 Doing Business Around the World -SS (3)
GEB 2935 Selected Topics in Business (1-6)
GEB 4890 Business Policy -MW (3)
GEB 4905 Independent Study (1-4)
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 3103 Intermediate Financial Accounting I (3)
ACG 3104 Intermediate Financial Accounting II (3)
ACG 3341 Cost Accounting and Control I (3)
ACG 3401 Accounting Information Systems (3)
ACG 4123 Intermediate Financial Accounting III (3)
ACG 4331 Cost Accounting and Control II (3)
ACG 4501 Governmental/Not-For-Profit Accounting (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)
ACG 4931 Selected Topics In Accounting (1-4)
ACG 5335 Honors Accounting Seminar (3)
ACG 5201 Advanced Financial Accounting IV (3)
ACG 5675 Internal and Operational Auditing (3)
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 3303 Intermediate Income & Monetary Analysis (3)
ECO 3622 American Economic History (3)
ECO 3703 International Economics -MW (3)
ECO 4105 Advanced Price Theory (3)
ECO 4601 Advanced Macroeconomic Theory (3)
ECO 4303 History Of Economic Thought (3)
ECO 4323 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 Monetary Relations (3)
ECO 4725 International Commercial Policies (3)
ECO 4905 Independent Study (1-3)
ECO 4914 Independent Research (1-3)
ECO 4935 Selected Topics in Economics (1-3)
ECP 2001 Survey of Micro and Macroeconomics (3)
ECP 3201 The Economics of Women and Work -MW (3)
ECP 3203 Labor Economics (3)
ECP 3302 Environmental Economics -MW (3)
ECP 3413 Economics of Regulation and Antitrust (3)
ECP 3530 Economics of Health (3)
ECP 3613 Economics of the Urban Environment (3)
ECP 4232 Collective Bargaining and Public Policy (3)
ECP 4451 Law and Economics (3)
ECP 4452 Economics of Crime (3)
ECS 3013 Economic Development (3)
ECS 4003 Comparative Economic Systems -MW (3)

MANAGEMENT


FINANCE


ECONOMICS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 4245</td>
<td>Federal Reserve System and Monetary Policy</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4130</td>
<td>Financial Institutions and Markets</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4324</td>
<td>Bank Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4412</td>
<td>Working Capital Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4414</td>
<td>Advanced Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4443</td>
<td>Financial Policies and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4504</td>
<td>Principles of Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Advanced Investment Analysis and Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4905</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>FIN 4915</td>
<td>Independent Research</td>
<td>1-3</td>
</tr>
<tr>
<td>FIN 4934</td>
<td>Selected Topics in Finance</td>
<td>1-3</td>
</tr>
<tr>
<td>REE 3043</td>
<td>Real Estate Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
<td>3</td>
</tr>
<tr>
<td>RMI 3011</td>
<td>Principles of Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 4115</td>
<td>Life, Health, and Disability Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 4210</td>
<td>Property Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 4220</td>
<td>Casualty Insurance</td>
<td>3</td>
</tr>
</tbody>
</table>

**INFORMATION SYSTEMS AND DECISION SCIENCES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100</td>
<td>Computers in Business</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3113</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3230</td>
<td>Introduction to Business Application Development</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3232</td>
<td>Advanced Business Application Development</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3431</td>
<td>Management Science Production/Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4133</td>
<td>Advanced Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4212</td>
<td>Database Design and Administration</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4213</td>
<td>Advanced Database Administration</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4220</td>
<td>Business Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4233</td>
<td>Information System Interface Design</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4234</td>
<td>Object-Oriented Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4240</td>
<td>Distributed Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4290</td>
<td>Senior Seminar in Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4300</td>
<td>Managing Information Resources</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4320</td>
<td>Information Systems Controls</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4400</td>
<td>Decision Support Systems Applications-Computer Assisted Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4450</td>
<td>Electronic Commerce Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4905</td>
<td>Independent Study</td>
<td>1-6</td>
</tr>
<tr>
<td>ISM 4930</td>
<td>Selected Topics in MIS</td>
<td>1-3</td>
</tr>
<tr>
<td>ISM 4950</td>
<td>Independent Research</td>
<td>1-6</td>
</tr>
<tr>
<td>MAN 4504</td>
<td>Operations Management: A Systems Approach</td>
<td>3</td>
</tr>
</tbody>
</table>

**MANAGEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4507</td>
<td>Operation Production Systems</td>
<td>3</td>
</tr>
<tr>
<td>QMB 2100</td>
<td>Business and Economic Statistics I -6A QM</td>
<td>3</td>
</tr>
<tr>
<td>QMB 3200</td>
<td>Business and Economic Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>QMB 4600</td>
<td>Quantitative Approach for Business Decisions</td>
<td>3</td>
</tr>
</tbody>
</table>

**MARKETING**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 2931</td>
<td>Selected Topics in Marketing</td>
<td>1-4</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Basic Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3400</td>
<td>Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3823</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4203</td>
<td>Channels Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4213</td>
<td>Logistics and Physical Distribution Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4333</td>
<td>Promotion Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4403</td>
<td>Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4453</td>
<td>Business to Business Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4503</td>
<td>Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4624</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 of South Florida 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 (listed below on the on-line catalogs), 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).
3. Completion of all portions of the CLAST with passing scores. No Exemptions or waivers accepted.
4. Completion of State Mandated Common Prerequisites (24 cr. hrs.). Note: The following prerequisites are required for all education majors, 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:
   - EDG 2701 Teaching Diverse Populations 3
   - EME 2040 Introduction to Educational Technology 3

5. Minimum GPA and test scores: An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 960 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).

6. Admission to programs will be based upon the applicant’s performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores.

5. Minimum GPA and test scores: An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 960 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).

7. Admission to programs will be based upon the applicant’s performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores.

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).

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>AFS 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 3110</td>
<td>Cultural Anthropology in the Contemporary World</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 Fiction</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>
</tr>
<tr>
<td>REL 2300</td>
<td>Introduction to World Religions</td>
<td>4</td>
</tr>
<tr>
<td>REL 2305</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>

5. Minimum GPA and test scores: An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 960 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).

7. Admission to programs will be based upon the applicant’s performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores.

5. Minimum GPA and test scores: An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 960 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).

7. Admission to programs will be based upon the applicant’s performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores.

5. Minimum GPA and test scores: An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 960 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).

7. Admission to programs will be based upon the applicant’s performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores.
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

The Department of Student Academic Services (SAS) is responsible for many of the processes and procedures that support the academic pursuits of students in the College of Education. 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. Some offices are open before 9 a.m. or until 6, 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, in EDU 105. For general information, call (813) 974-1804. USF/Tampa 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. 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.
3. Completion of an application for the final internship by the deadlines noted below.
4. Elementary, Early Childhood and Physical Education programs require completion of all professional education and specialization course work 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 as well as 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.

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.

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 grade-point average 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>
</tr>
</thead>
<tbody>
<tr>
<td>Behavior Disorders</td>
<td>Special Education</td>
<td>(BBD)</td>
</tr>
<tr>
<td>Business and Office</td>
<td>Leadership Development</td>
<td>(BBE)</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Childhood/Language Arts/Reading Education</td>
<td>(BEC)</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>Childhood/Language Arts/Reading Education</td>
<td>(BEE)</td>
</tr>
<tr>
<td>English Education</td>
<td>Secondary Education</td>
<td>(BEN)</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Secondary Education</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td></td>
<td>(BFF)</td>
</tr>
<tr>
<td>German</td>
<td></td>
<td>(BFG)</td>
</tr>
<tr>
<td>Italian</td>
<td></td>
<td>(BFI)</td>
</tr>
<tr>
<td>Russian</td>
<td></td>
<td>(BFR)</td>
</tr>
<tr>
<td>Spanish</td>
<td></td>
<td>(BFS)</td>
</tr>
<tr>
<td>Industrial-Technical Education</td>
<td>Leadership Development</td>
<td>(BIT)</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Secondary Education</td>
<td>(BMA)</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mental Retardation</td>
<td>Special Education</td>
<td>(BMR)</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
<td>(BPE)</td>
</tr>
<tr>
<td>K-8</td>
<td></td>
<td>(BPS)</td>
</tr>
<tr>
<td>6-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Athletic Training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wellness Leadership</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Education</td>
<td>Secondary Education</td>
<td>(BPW)</td>
</tr>
<tr>
<td>Biology</td>
<td></td>
<td>(BSB)</td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
<td>(BSC)</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td>(BSY)</td>
</tr>
<tr>
<td>Social Science</td>
<td>Secondary Education</td>
<td>(BSS)</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specific Learning Disabilities
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 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) 3
ACG 2021 Financial Accounting 3
or
ACG X001 Financial and Managerial Acctg. II* 3
ACG X011 Financial and Managerial Acctg. II* 3
ECO X013 Economic Principles (Macrocon.) 3
ECO X023 Economic Principles (Microcon.) 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.

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.

Specialization Requirements (37 cr. hrs.):

BTE 4948 Field-Based Seminar 3
BTE 4909 Directed Study 3
BTE 4401 Special Methods 4
BUL 3112 Business Law I 3
CSG 2000 Computers in Business I 3
DEC 4161 Program Management 3
ENC 3210 Technical Writing  
ENC 3213 Professional Writing  
EVT 4651* Equity in the Schools and Workplace  
FIN 3100 Personal Finance  
MAN 3025 Principles of Management  
Business Elective  
Word Processing  

**Approved Liberal Arts Exit Requirement**

**INDUSTRIAL-TECHNICAL EDUCATION**

Requirements for the B.S. Degree (B.T.I): 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 X005 Introduction to Education 3  
(waived for ITE majors with certification and teaching experience)  
EDG 2701 Teaching Diverse Populations 3  
(waived for ITE majors with certification and teaching experience)  
EME 2040 Introduction to Educational Technology 3  
(waived for ITE majors with certification and teaching experience)  

**XXX XXXX Courses in an area of technological specialization 15**  
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 may validate up to 30 semester hours of credit through the Occupational Competency Testing Program, or appropriate licensure or certificate.

**Specialization and Professional Education Core (56 cr. hrs.):**

ADE 4384 Working With Adult Learners 3  
EDF 3604 Social Foundations of Education 3  
EIV 4210* Program Management 4  
EIV 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 4948** Supervised Field Experience: Industrial-Technical Education 4  

*Contact advisor for internship requirements.  
**Another course may be substituted with advisor’s approval.

**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 coursework 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.):**

EIV 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.

Recommended prerequisites for admission to these programs include two American History courses, one American History and one American National Government course. These courses may be taken as part of the general education requirement.

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 (students 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.

• 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

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.

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)

Professional Education Core (33 cr. hrs.):

EDF 4111 Child Growth and Learning 3
EEC 4940 Senior Internship and Seminar 10-12
EEC 4936 Senior Seminar 2
EEC 4941 Field Experience I 3
EEC 4942 Field Experience II 3
EEC 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.):

EEC 4008 Literature in Early Childhood Education (Exit) 3
EEC 4203 Programs for Young Children 3
EEC 4211 Integrated Curriculum: Science and Mathematics 3
EEC 4212 Integrated Curriculum: Social Sciences/Humanities & Art 3
EEC 4300 Cognitive Experiences for Young Children 3
EEC 4303 Creative and Affective Experiences for Young Children 3
EEC 4408 Child, Family & Teacher Relations 3
EEC 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

• 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

Communications, including a speech course (9 hours minimum)
Mathematics, excluding MAT 1033 and a computer course (9 hours minimum), only courses with the prefixes MGF, MGT, MAC, and STA will qualify for courses in mathematics;
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)

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
EDG 4430 Measurement for Teachers 3
EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
FLE 4315 Teaching LEP Students K-12 3
FLE 4318 Language Principles and Acquisition 2
EDE 4940 Internship 10

Specialization (44 cr. hrs.):

ARE 4313* Art For the Child and You 3
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
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- SPC X600 Public Speaking
- Literature Course
- Electives in English

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 (29 cr. hrs.):
The required courses in the professional education core are as follows:

- EDF 3214 Human Development and Learning
- EDF 3504 Social Foundations of Education (Exit)
- EDG 4620 Curriculum and Instruction
- EDF 4430 Measurement for Teachers
- EEX 4070 Integrating Exceptional Students in the Regular Classroom
- FLE 4315 Teaching LEP Students K-12
- FLE 4316 Language Principles and Acquisition
- LAE 4936 Senior Seminar in English Education
- LAE 4940 Internship: English Education

Program Requirements (33 cr. hrs.):

1. English Specialization (21 cr. hrs.):
   - ENC 3310 Expository Writing
   - LIT 3103 Great Literature of the World (Exit)
   - WST 4263 Third World Women Writers (Exit)
   - Two of the following:
     - AML 3031 American Literature to 1860
     - AML 3032 American Literature 1860-1912
     - AML 3051 American Literature 1912-1945
     - AML 3054 African-American Literature (Exit)
     - AML 4111 Nineteenth-Century American Novel
     - AML 4121 Twentieth-Century American Novel
     - LIT 4386 British and American Literature by Women (Exit)
   - One 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
   - One of the following:
     - ENG 4060 History of the English Language
     - LIN 3010 Introduction to Linguistics
     - LIN 3670 English Grammar and Usage
     - LIN 4671 Traditional English Grammar
     - LIN 4680 Structure of American English

2. English Education (12 cr. hrs.):
   - LAE 4323 Methods of Teaching English: Middle School
   - LAE 4464 Adolescent Literature for Middle and Secondary Students (Exit)
   - LAE 4530 Methods of Teaching English: Practicum
   - LAE 4642 Methods of Teaching English: High School

   LAE 4530 must be taken concurrently with LAE 4642 (PR: LAE 4464), the fall or spring immediately preceding internship. LAE 4530 should be taken the semester prior to enrolling in LAE 4530. Methods courses are available in Fall and Spring Semesters, only.

- 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
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

(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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214 Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604 Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4620 Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430 Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4070 Integrating Exceptional Students in the Regular Classroom</td>
<td>2</td>
</tr>
<tr>
<td>FLE 4316 Language Principles and Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>FLE 4315 Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4936 Senior Seminar in Foreign Language Education</td>
<td>2</td>
</tr>
<tr>
<td>FLE 4940 Internship: Foreign Language Education</td>
<td>10</td>
</tr>
</tbody>
</table>

**Specialization (39 cr. hrs.):**

1. **Foreign Language (27 cr. hrs.)**
   - Grammar, conversation, composition: 9 credits
   - Literature: 6 credits
   - Culture and civilization: 6 credits
   - Linguistics: 3 credits
   - Exit requirement language course: 3 credits

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 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Calculus and Analytic Geometry I*</td>
<td>4</td>
</tr>
<tr>
<td>Calculus and Analytic Geometry II*</td>
<td>4</td>
</tr>
<tr>
<td>Elective in Mathematics</td>
<td>4</td>
</tr>
</tbody>
</table>

(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 (applicable to microcomputer) | 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214 Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604 Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4620 Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430 Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315 Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4940 Internship: Mathematics Education</td>
<td>10</td>
</tr>
<tr>
<td>MAE 4936 Senior Seminar in Mathematics Education</td>
<td>2</td>
</tr>
</tbody>
</table>

**Specialization (29 cr. hrs.):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAD 3100 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAF 3105 Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4214 Elementary Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4301 Elementary Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MGF 3301 Bridge to Abstract Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MTH 4003 Early History of Math (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4212 Geometry</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023 Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Mathematics Education (14 cr. hrs.):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4320 Middle School Methods</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4330 Senior High School Methods</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4551 Reading the Language of Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>MAE 4652 Technology for Teaching Secondary School Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4653 Technology for Teaching Secondary School Mathematics II</td>
<td>3</td>
</tr>
</tbody>
</table>

**SCIENCE EDUCATION**

Requirements for the B.S. Degree (BSB, 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>(equivalent course or demonstrated competency may be substituted)</td>
<td></td>
</tr>
<tr>
<td>For Biology Teacher Education - Biology with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry with Lab or Physics with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Electives in Science</td>
<td>6</td>
</tr>
<tr>
<td>For Chemistry Teacher Education - Chemistry with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Biology with Lab or Physics with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Electives in Science</td>
<td>6</td>
</tr>
<tr>
<td>For Physics Teacher Education - Physics with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Biology with Lab or Chemistry with Lab</td>
<td>8</td>
</tr>
<tr>
<td>Electives in Science</td>
<td>6</td>
</tr>
</tbody>
</table>

**Professional Education Core for all Tracks (29 cr. hrs.):**

The required courses in the professional education core are as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214 Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604 Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4620 Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430 Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315 Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4940 Internship: Mathematics Education</td>
<td>10</td>
</tr>
<tr>
<td>MAE 4936 Senior Seminar in Mathematics Education</td>
<td>2</td>
</tr>
</tbody>
</table>
## 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)  
- **SCE 4305** Communication Skills in Science  
- **SCE 4320** Teaching Middle Grade Science  
- **SCE 4330** Teaching Methods in Secondary School Science  

### Areas of Specialization  
(Divided into 3 Tracks Below)

#### Biology Education  
**Prerequisites (19 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **BSC 2011** Biology II with lab  
- **CHM 2045** General Chemistry I with lab  
- **PHY 2053** General Physics I with lab  

One of the following:
- **BSC 2085** Human Anatomy Physiology  
- **CHM 2046** General Chemistry II w/Lab or  
- **PHY 2054** General Physics II w/Lab  

**Specialization (29 cr. hrs.):**
- **PCB 3063** General Genetics  
- **PCB 3023** Cell Biology  
- **PCB 3043** Principles of Ecology  
- **PCB 3043L** Principles of Ecology Lab  
- **PCB 4674** Organic Evolution  
- **MCS 3030C** Introduction to Microbiology  
- **BSC 4057** Environmental Issues (Exit)  
- **MAC 2281** Engineering Calculus I  

#### Chemistry Education  
**Prerequisites (20 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **CHM 2045** General Chemistry I with lab  
- **CHM 2046** General Chemistry I with lab  
- **PHY 2053** General Physics I with lab  
- **PHY 2054** General Physics II with lab or  
- **BSC 2011** Biology II with lab  

**Specialization (28 cr. hrs.):**
- **CHM 2210** Organic Chemistry I  
- **CHM 2210L** Organic Chemistry I Lab  
- **CHM 3120C** Elementary Analytical Chemistry  
- **CHM 3400** Elementary Physical Chemistry I  
- **CHM 3610C** Intermediate Inorganic Chemistry  
- **CHM 4070** Historical Perspectives in Chemistry (Exit)  
- **BCH 3023** Biochemistry  
- **MAC 2281** Engineering Calculus I  

#### Physics Education  
**Prerequisites (20 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **CHM 2045** General Chemistry I with lab  
- **CHM 2046** General Chemistry II with lab or  
- **BSC 2011** Biology II with lab  
- **PHY 2048** General Physics with lab and  
- **PHY 2049** General Physics with lab or  
- **PHY 2053** General Physics with lab and  
- **PHY 2054** General Physics with lab  

**Specialization (31 cr. hrs.):**
- **MAC 2281** Engineering Calculus I  
- **MAC 2282** Engineering Calculus II  
- **MAC 2283** Engineering Calculus III  
- **PHY 2020** Conceptual Physics  
- **PHY 3101** Modern Physics  

#### Areas of Specialization

**Biology Education**

**Prerequisites (19 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **BSC 2011** Biology II with lab  
- **CHM 2045** General Chemistry I with lab  
- **PHY 2053** General Physics I with lab  

One of the following:
- **BSC 2085** Human Anatomy Physiology  
- **CHM 2046** General Chemistry II w/Lab or  
- **PHY 2054** General Physics II w/Lab  

**Specialization (29 cr. hrs.):**
- **PCB 3063** General Genetics  
- **PCB 3023** Cell Biology  
- **PCB 3043** Principles of Ecology  
- **PCB 3043L** Principles of Ecology Lab  
- **PCB 4674** Organic Evolution  
- **MCS 3030C** Introduction to Microbiology  
- **BSC 4057** Environmental Issues (Exit)  
- **MAC 2281** Engineering Calculus I  

**Chemistry Education**

**Prerequisites (20 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **CHM 2045** General Chemistry I with lab  
- **CHM 2046** General Chemistry I with lab  
- **PHY 2053** General Physics I with lab  
- **PHY 2054** General Physics II with lab or  
- **BSC 2011** Biology II with lab  

**Specialization (28 cr. hrs.):**
- **CHM 2210** Organic Chemistry I  
- **CHM 2210L** Organic Chemistry I Lab  
- **CHM 3120C** Elementary Analytical Chemistry  
- **CHM 3400** Elementary Physical Chemistry I  
- **CHM 3610C** Intermediate Inorganic Chemistry  
- **CHM 4070** Historical Perspectives in Chemistry (Exit)  
- **BCH 3023** Biochemistry  
- **MAC 2281** Engineering Calculus I  

**Physics Education**

**Prerequisites (20 cr. hrs.):**
- **BSC 2010** Biology I with lab  
- **CHM 2045** General Chemistry I with lab  
- **CHM 2046** General Chemistry II with lab or  
- **BSC 2011** Biology II with lab  
- **PHY 2048** General Physics with lab and  
- **PHY 2049** General Physics with lab or  
- **PHY 2053** General Physics with lab and  
- **PHY 2054** General Physics with lab  

**Specialization (31 cr. hrs.):**
- **MAC 2281** Engineering Calculus I  
- **MAC 2282** Engineering Calculus II  
- **MAC 2283** Engineering Calculus III  
- **PHY 2020** Conceptual Physics  
- **PHY 3101** Modern Physics  

---

**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):**

### Professional Education Core (29 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3804</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4620</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Integrating Exceptional Students</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315</td>
<td>Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Senior Seminar in Social Science Education</td>
<td>2</td>
</tr>
<tr>
<td>SSE 4940*</td>
<td>Internship: Social Science Education</td>
<td>10</td>
</tr>
</tbody>
</table>

*Only SSE 4936 can be taken at the same time as SSE 4940.

### Social Sciences Specialization (48 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>GEA 2000</td>
<td>Global Geography</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2211</td>
<td>Studies in Culture: World History I*</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2243</td>
<td>Studies in Culture: World History II*</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POS 2080</td>
<td>American Political Thought</td>
<td>3</td>
</tr>
</tbody>
</table>
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 or 3
ANT 2410 Cultural Anthropology
One of the following:
ECO 1000 Basic Economics or 3
ECO 2013 Macroeconomics
One of the following:
SYG 2000 Introduction to Sociology or 3
SYG 2010 Contemporary Problems
One of the following:
POT 4054 Modern Political Thought or 3
POT 4064 Contemporary Political Thought or
POT 4204 American Political Thought or
INR 3018 World Ideologies
*May meet General Education Requirements
**Also meets General Education ALAMEA 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.

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
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 College of Education 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 Department. 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 (PTE):
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 (equivalent course or demonstrated competency may be substituted)

Prerequisites:
Anatomy and Physiology I with lab 3-4
Care and Prevention of Injuries 3-4
or Anatomy and Physiology II with lab
Skill Development Course in Physical Activities 4-5
Conditioning, Fitness & Wellness Course in Physical Activities 3
At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

Strongly recommended:
HSC 2400 First Aid 2

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 3
PET 3031 Motor Development & Assessment 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 Ed. 3
PET 3640 Adapted Physical Education 3
PET 3943 Physical Education Internship: Middle School 3
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
FLE 4315 Teaching LEP Students K-12 2
### 6-12 Physical Education Track (PTS):

<table>
<thead>
<tr>
<th>Prerequisites (State Mandated Common Prerequisites):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 1005/2005 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Highly Recommended:**

- BSC 2093 Human Anatomy and Physiology: 3-4
- HSC 2400 First Aid: 2
- PET 2622 Care and Prevention of Injuries: 3

Professional education courses taken at the community college will transfer as general electives.

### Professional Education Core (for All Tracks):

<table>
<thead>
<tr>
<th>PET 2010 Personal/Professional Development Seminar</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3310 Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PET 3351 Exercise Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Additional Required Courses For 6-12 Track:

| EDF 3604 Social Foundations of Education           | 3 |
| EDF 4430 Measurement for Teachers                 | 3 |
| EDF 4131 Learning and the Developing Adolescent   | 3 |
| PET 3031 Motor Development & Assessment            | 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 Instruction Design & Content: Physical Education Secondary II | 3 |
| PET 4944 Physical Education Pre-Internship: Secondary | 4 |
| PET 4947 Internship in Teaching Physical Education: Secondary | 12 |

### Professional Education Core (for Wellness Tracks):

<table>
<thead>
<tr>
<th>PET 2010 Personal/Professional Development Seminar</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3310 Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PET 3351 Exercise Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Additional Courses Required For Wellness Leadership Track:

- ADE 4384 Working with the Adult Learner: 3
- GSY 3601 Behavior Change in Later Life: 3
- HLP 4941 Wellness Internship: 12
- HUN 2201 Nutrition: 3
- PEM 2131 Weight Training: 2
- PEP 3940 Practicum in Health Promotion/Wellness: 4
- PEP 3951 Communications Skill for Wellness Leaders: 3
- PEQ 3170 Aquatic Exercise: 2
- PET 3080 Survey of Wellness Programs: 3
- PET 3931 Teaching Aerobic Dance/Exercise: 1-3
- PET 4404 Organization & Administration of Wellness Programs: 3
- PET 4353 Exercise Physiology II: 3
- PET 4384 Health Fitness Appraisal & Exercise Prescription: 3

### For Athletic Training Track:

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 set forth by the School of 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; EDF2005, EDG 2701, and EME 2040)
   c. successfully pass the CLAST examination.
   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 (38 cr. hrs.) See the University General Education Requirements section of the catalog.
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 postgraduate 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 one or more of the three areas.

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 under the supervision of a faculty member. 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.

These programs are currently under review. Students are advised to work closely with program advisors in the Department when developing their program of study.

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

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:

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)

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 3604 Social Foundations of Education (Exit) 3
- EDF 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- FLE 4315 Teaching LEP Students K-12 3
- EDG 4909 Language Principles and Acquisition 2
- EEX 4940 Internship: Exceptional Student Education 10
- EEX 4936 Senior Seminar in Exceptional Student Education 2

Areas of Specialization (Divided into 3 Tracks Below)

**Emotional and Behavioral Disabilities (EH Certification)**

Students seeking the B.S. degree with certification in EH are required to take the following courses:

- EED 4011 Introduction to Behavior Disorders 3
- EED 4941 Undergraduate Supervised Practicum in Behavior Disorders 1-6
- EEX 4011 Foundations of Special Education 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 3
- EEX 4846 Clinical Teaching in Special Education 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

**Mental Retardation (MR Certification)**

Students seeking the B.S. degree with certification in MR are required to take the following courses:

- EEX 4011 Foundations of Special Education 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 3
- EEX 4846 Clinical Teaching in Special Education 3
- EMR 4011 Introduction to Mental Retardation 3
- EMR 4941 Undergraduate Supervised Practicum in Mental Retardation 1-6
- 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

**Specific Learning Disabilities (LD Certification)**

Students seeking the B.S. degree with certification in LD are required to take the following courses:

- EEX 4011 Foundations of Special Education 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 3
- EEX 4846 Clinical Teaching in Special Education 3
- ELD 4011 Introduction to Specific Learning Disabilities 3
- ELD 4941 Undergraduate Supervised Practicum in SLD 1-6
- 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

Students wishing to obtain dual certification may do so with permission from the department.

**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 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 (MOSIE)
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, though 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

PSYCHOLOGICAL AND SOCIAL FOUNDATIONS

SECONDARY EDUCATION

SPECIAL EDUCATION

EDUCATION COURSES

ADULT EDUCATION
ADE 4384 Working With the Adult Learner: Adult Education (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 4946 Field-Based Seminar in Business Education (3)
BTE 5171 Curriculum Construction: Business 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 (3)
PET 3630C Techniques in Therapeutic Exercise (3)
PET 3640 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 3943 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 4353 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 4633C Therapeutic Rehabilitation (3)
PET 4672L Clinical Practice in Athletic Training I (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 (3)
PET 4935 Case Studies in Athletic Health Care (3)
PET 4942 Physical Education Internship: Elementary (4)
PET 4944 Physical Education Internship: Secondary (4)
PET 4946 Associate Teaching Physical Education: Elementary (12)
PET 4947 Associate Teaching Physical Education: Secondary (12)
PET 4947C Athletic Training Practicum (2)

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 5136 Adolescence (4)
EDF 5285 Programmed Instruction and Teaching Machines (3)
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)
SLS 2401 Career Development Process (2)

SCIENCE EDUCATION
SCE 4237 Science, Technology, Society Interaction -6A MW (5)
SCE 4305 Communication Skills in the Science Classroom (2)
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 (2)
SCE 4940 Internship: Science Education (1-12)
SCE 5537 Selected Topics in Science Education (1-4)

SOCIAL SCIENCE EDUCATION
SSE 4333 Teaching Middle Grades Social Science (3)
SSE 4434 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 4936 Senior Seminar in Social Science Education (2)
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 4909 Directed Study. Behavior Disorders (1-3)
EED 4941 Undergraduate Supervised Practicum in Behavior Disorders (1-6)
EEX 4011 Foundations of Special Education (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 4908 Independent Study: Exceptional Student Education (1-3)
EEX 4909 Directed Study: Exceptional Student Education (1-3)
EEX 4936 Senior Seminar in Exceptional Student Education (2)
EEX 4940 Internship: Exceptional Student Education (1-10)
EEX 5705 Seminar in Preschool Handicapped (2)
EEX 5752 Working With Families: A Pluralistic Perspective (3)
EGI 5051 Nature and Needs of the Gifted (3)
EGI 5325 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 SLD (1-6)
EMR 4011 Introduction to Mental Retardation (3)
EMR 4230 Educating the Severely/Profoundly Handicapped (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)
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, career objectives, and capabilities for a significant technological contribution. 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 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 effectively contribute 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 becoming increasingly evident that large segments of today's engineering professionals are obtaining, in some form of post baccalaureate study. Engineering students 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 refurbishing and updating their information skills and most are obtaining advanced information by means of formal graduate study, seminars, short courses at special institutes and other such systems designed for this purpose.

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. These programs are specifically designed to prepare an individual for a professional career as an engineer. These programs have as their foundation a core of subject material encompassing Humanities, Social Science, Mathematics, Science, and Engineering which is required of all students. In addition to the core subject material, each student will complete specialization studies in a designated field under the direction of one of the administrative departments of the College.

Preparation for Engineering

Students planning to attend USF's College of Engineering should familiarize themselves thoroughly with the College's admissions 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 in less accelerated program. The University of South Florida generally offers most required pre-engineering courses every semester. As another alternative, students may wish to enroll in 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.

Although it is not mandatory, the College strongly recommends acquisition of personal access to a personal computer. For further details, contact the Associate Dean of Engineering.

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.

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—composite of 1050 minimum with a minimum quantitative of 550.
      ACT—composite 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:
   Transfer 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.

Communications:
   ENC 1101/1102 English I and II (6)

Mathematics:
   MAC 2311 Engineering Calculus I (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAC 2312 Engineering Calculus II (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAC X283 Engineering Calculus III (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAP 302 Differential Equations (3)

Natural Sciences:
   CHM X045/X045L General Chemistry I (with lab) (4)
   or CHS 1440 Chemistry for Engineers
   PHY X048/X048L General Physics and Laboratory I
   or PHY X049/X049L General Physics and Laboratory II

Humanities & Social Sciences:
   Humanities Courses (6)
   Social Science Courses (6)
   Humanity or Social Sciences (3)

REQUIRED PREREQUISITES FOR ENTERING THE COLLEGE OF ENGINEERING

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 are 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), COP 3514 (Program Design), and COT 3100 (Discrete Structures) with a grade point average 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 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 freshmen 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’s student 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 (ENX), Room 100, (813) 974-2684.

Sarasota Campus: Palmer “C” Building (PMC), Room 101, (941) 359-4331/4330.

Lakeland Campus: Student Services Office (LLC), 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.

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.Ch.E.)

Graduate Degrees Offered:
Master of Science in Chemical Engineering (M.S.Ch.E.)
Master of Chemical Engineering (M.C.H.E.)
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, sepa-
ation processes, chemical reactors, instrumentation and
process control, economics optimization, computer methods,
computer aided design techniques, and process plant design.
These courses, together with mathematics, physics, chemis-	ry, 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 Engi-
neering program. Topics include applied microbiology, fer-
mentation, enzyme technology, and pharmaceutical engineer-
ing.

Biomedical Engineering is a highly interdisciplinary pro-
gram, drawing from all engineering disciplines, biology, physi-
ical sciences, biomedical and clinical sciences. An under-
graduate Certificate in Biomedical Engineering is available to
students in all areas of engineering. This Certificate is de-
designed with two main objectives: 1) to prepare interested
students for admission into medical school, and 2) to prepare
students for graduate work in either Biomedical Engineering,
other engineering disciplines, or the Biomedical Sciences.
Opportunities for students to gain research experience exist
within the College of Engineering and the Health Sciences
Center.

Please see the certificate programs section of this catalog
for more information on these programs.

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 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 en-
engineering, materials and corrosion engineering, and environ-
mental engineering.

Students completing the program may enter the profession
as engineers in the civil, structural, geotechnical, transporta-
tion, water resources, environmental, hydraulics, or materials
discipline. All of these disciplines share the need for knowl-
edge 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 the civil, structural, geotechnical, and transportation
industry, in engineering consulting firms, or in public service at the federal, state, or local level. Initial
assignments may include planning, design and implementa-
tion of water resources systems; planning and design of
transportation and housing systems; regional planning, de-
sign, 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, com-
puter 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,
4) database, 5) 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 and DEC workstations for use by majors. The Department
also runs a research-oriented network consisting of an Intel
Hypercube, a number of SUN, DEC, and IBM workstations, and
special purpose image and graphics processors. 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.)
Master of Science in Engineering Science (M.S.E.S)
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 analy-
sis and design electronics, communications, electronics, com-
letics, controls, solid state, systems analysis, digital circuit design, etc. Basic concepts are augmented with
well-equipped laboratories in networks, electronics, digital
systems, microwave techniques and communications. In ad-
dition, a general-purpose computer facility, a microprocessor
laboratory and a microelectronics fabrication 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 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, evalua-
tion, and operation of a variety of industrial systems, ranging
from the analysis of public systems to the operation of manu-
facturing plants. Topics include production planning and con-
trol, 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 Mechanical Engineering (M.M.E.)
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.)

Coursework includes basic science and mathematics, thermal and fluid sciences, material science, solid mechanics, dynamics, machine design, vibrations, instrumentation and automatic control.

Graduates of this program are employed in research, design, production, marketing, service, installation (contracting), maintenance and operation in such industries as mining, petroleum, paper, food, 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/CAM, vibrations, and aerodynamics.

Students pursuing the B.S.M.E. degree are required to take the Fundamentals of Engineering examination as the first step towards professional engineering registration.

Preliminary Coursework for Engineering Students

Both the four-year and five-year curricula of the College of Engineering Bachelor of Science programs are founded 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
  - (Minimum)
- 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 45 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:

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Methods</td>
<td>6</td>
</tr>
</tbody>
</table>

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)
- 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 the General Chemistry sequence.

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 Chemical Engineering Department for the undergraduate program is to impart state of the art skills and fundamental knowledge for the development, safe operation and economic design of chemical processes in a manner compatible with societal values.

Objectives
To Department has defined the following programmatic objectives. It will provide its students:
1. a significant background exposure to the Humanities and Social Sciences leading, through our capstone design course, to the incorporation of societal values in their practice.
2. a background in each engineering discipline in order to develop the foundations for effective communication among professionals collaborating in technical decisions.
3. a strong foundation in the engineering and enabling sciences to provide the tools for the analysis of processes involving transformations of matter and energy.
4. a sequence of courses integrating the students' foundations in the above engineering and sciences for synthesis of environmentally friendly, safe processes involving transformations of matter and energy leading to the selection of process flowsheets, operating conditions and equipment.
5. an interlocked laboratory experience in preparations for careers as researchers or managers of research and development.

Students pursuing the Bachelor of Science in Chemical Engineering take coursework in advanced chemistry, thermodynamics, fluids, heat and mass transfer, separation processes, reacting systems, instrumentation, and control. 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**

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, 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)
- Humanities or Social Sciences (3)

**Mathematics:**
- USF MAC 2281
- C/C MAC 2311* (4)

**Natural Sciences:**
- USF CHM 2045
- CHM 2045L
- PHY 2045
- PHY 2045L
- PHY 2049
- PHY 2049L
- *or CHS 1440 Chemistry for Engineers

This is a limited access program. 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 and those who cannot devote full time to academics should plan for a slower pace.

**Semester I**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2281</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3000</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

**Semester II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>1</td>
</tr>
<tr>
<td>ALAMEA Perspectives Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Semester III**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2283</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3311</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Semester IV**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4410</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3443</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>3</td>
</tr>
<tr>
<td>Global Implications</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

**Semester V**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 3023</td>
<td>4</td>
</tr>
<tr>
<td>ECH 3303L</td>
<td>1</td>
</tr>
<tr>
<td>ECH 4264</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>2</td>
</tr>
<tr>
<td>EGN 3XXX</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

**Semester VI**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 4322</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>CHM 4412</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>3</td>
</tr>
<tr>
<td>Ch. E. Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>
Summer
ECH 4265  PE 2, Sep. Processes  4
ECH 4244L  Chem. Eng. Lab II  2
Math/Science Elective  3
Total  9

Semester VII
ECH 4414  PE 3, React. Systems  4
ENC 3211  Comm. for Engineers  3
Ch. E. Elective  3
Design Elective  2
Total  12

Semester VIII
ECH 4615  Plant Design  4
ECH 4323  Automatic Controls I  4
Social Science Elective  3
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 high-quality educational experience for both undergraduate and graduate students,
2. to develop new knowledge, processes, or procedures through research which will benefit mankind, and
3. to provide service to the nation through professional activities.

A component of the Department's education mission is providing our undergraduate students a strong, broad-based, engineering education while giving them adequate training for careers in industry and government. To achieve this mission, the Department attempts to give our students the basic intellectual and organization skills that allow them to work with complex systems with technological, social and environmental components. Thus, the Department's curriculum is designed to provide a strong background in mathematics, science, and the fundamentals of engineering, as well as an appreciation for the larger social and ethical context of integrated systems. As many of our students begin work upon graduation in industry or with governmental 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. An undergraduate education is but the first stage in a life-long learning process. The curricula is designed to further this concept and to prepare students for undertaking advanced studies in engineering or in other professional schools.

It is the mission of the Department to have faculty deal with society's pressing problems by influencing the directions of the profession and the plans and actions of the nation, regions, and communities. This mission is accomplished by
1. faculty contributing influential publications dealing with specialized topics and with the interfaces of science, technology, and public policy;
2. providing leadership on commissions, boards, and committees that review public and professional policies and that set the agenda for action by the profession and public bodies

Objectives
1. The Department will provide undergraduate students with the strong technical education needed for a career in civil engineering or one of the sub-disciplines of civil engineering (structural, geotechnical, transportation, water resources, environmental, materials
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 fellow workers, clients, or 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.
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.

Students pursuing the Bachelor of Science in Civil Engineering program take designated engineering mechanics, civil engineering, and environmental engineering coursework as well as courses from one of the following areas of concentration:
1. Environmental Engineering
2. Water Resources
3. Geotechnical/Transportation Engineering
4. Materials Engineering
5. Structural Engineering

As a culminating design experience, all students take a Capstone design course relevant to their respective areas of concentration.

In addition to the College's graduation requirements, the department has the following policies:
1. Mandatory academic advising of students for each term
2. Exit interviews as a graduation requirement for all students
3. Only 2 D grades in engineering courses can be used to fulfill graduation requirements, and
4. All graduating seniors must take the Fundamentals of Engineering Examination

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.

Four-Year Curriculum - Civil 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. 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)
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)
Natural Sciences:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>ENC 1001</td>
<td>Freshman English I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2281</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3000</td>
<td>Foundations of Engineering</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>EGS 1113</td>
<td>Introduction to Design Graphics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>II</td>
<td>ENC 1102</td>
<td>Freshman English II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2282</td>
<td>Engineering Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>PHY 2048</td>
<td>General Physics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2048L</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Summer</td>
<td>ALAMEA Perspective Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Historical Perspective Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN XXX</td>
<td>Engineering economics with Social and Global Implications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>III</td>
<td>PHY 2049</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2049L</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MAC 2283</td>
<td>Engineering Calculus III</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EGN 3311</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Historical Perspectives Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3211</td>
<td>Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>IV</td>
<td>MAP 2302</td>
<td>Differential equations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3321</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3443</td>
<td>Engineering Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3365</td>
<td>Materials I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>V</td>
<td>EGN 3353</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3331</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EGN 3331L</td>
<td>Mechanics of Materials Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>EGN 3373</td>
<td>Introduction to Electrical Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TTE 4004</td>
<td>Transportation I</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

CIVIL ENGINEERING CONCENTRATION REQUIREMENTS

(A student must complete a minimum of 9 hours, with at least 2 courses from one group.)

**Water Resources**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 4502</td>
<td>Environmental Unit Operations</td>
<td>3</td>
</tr>
<tr>
<td>ENV 4101</td>
<td>Air Pollution Control</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4103</td>
<td>Water Resources Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

**Geotechnical/Transportation**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 4012</td>
<td>Soil Mechanics II</td>
<td>3</td>
</tr>
<tr>
<td>TTE 4005</td>
<td>Transportation Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CNG 4851</td>
<td>Concrete Construction Materials</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4141</td>
<td>Matrix Structural Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENV 4101</td>
<td>Air Pollution Control</td>
<td>3</td>
</tr>
</tbody>
</table>

**Materials**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4366</td>
<td>Materials Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>EMA 4324</td>
<td>Corrosion of Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td>CNG 4851</td>
<td>Concrete Construction Materials</td>
<td>3</td>
</tr>
</tbody>
</table>

**Structural**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 4141</td>
<td>Matrix Structural Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4820</td>
<td>Timber &amp; Masonry Design</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4561</td>
<td>Computer Aided Structural Design</td>
<td>3</td>
</tr>
<tr>
<td>CNG 4851</td>
<td>Concrete Construction Materials</td>
<td>3</td>
</tr>
<tr>
<td>EMA 4324</td>
<td>Corrosion of Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td><strong>CES 4720</strong></td>
<td>Capstone Structural/Materials Design</td>
<td>3</td>
</tr>
<tr>
<td><strong>CES 4740</strong></td>
<td>Capstone Structural/Geotechnical Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**CIVIL ENGINEERING CAPSTONE DESIGN REQUIREMENTS**

A student must complete the capstone design course in his/her area of concentration.
Water Resources
CWR 4821 Capstone Water Resources Design 3

Geotechnical/Transportation
CEG 4850 Capstone Geotechnical/Transportation Design 3

Materials
CES 4720 Capstone Structural/Materials Design 3

Structural
CES 4740 Capstone Structural/Geotechnical Design 3

Environmental Engineering Concentration
Within Civil Engineering

Semester I
ENC 1001 Freshman English I 3
MAC 2281 Calculus I 4
CHM 2045 General Chemistry I 3
EGN 3000 Foundations of Engineering 1
EGS 1113 Introduction to Design Graphics 3
Total 14

Semester II
ENC 1102 Freshman English II 3
MAC 2282 Engineering Calculus II 4
CHM 2046 General Chemistry II 3
CHM 2045L General Chemistry I Lab 1
PHY 2048 General Physics 3
PHY 2048L General Physics I Lab 1
Total 15

Summer Semester
ALAMEA Perspective Elective 3
Historical Perspective Elective 3
EGN XXXX Engineering economics with Social and Global Implications 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 3343 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
ENV 3001 Environmental Engineering 3
TTE 4004 Transportation I 3
CGN 4933 Numerical and Computer Methods 3
Total 16

Semester VI
CES 3102 Structures I 3
CWR 4204 Hydraulics 3
EGN 3373 Introduction to Electrical Systems 3
ENV 4004L Civil Engineering Lab 2
ENV 4417 Water Quality and Treatment 3
Total 14

Semester VII
ENV 4552 Environmental Engineering Processes 3
CES 4702 Concepts of Concrete Design 3
CEG 4011 Soil Mechanics 3
CEG 4011L Geotech Lab 1
CWR 4103 Water Resources 3
Social Science Elective 3
Technical Elective 3
Total 16

Semester VIII
CGN 4122C Professional/Ethical Issues in Engineering MW/MI 3
Environmental Capstone Design Requirement MW/MI 3
Social Science Elective 3
GLY 3850 Geology for Engineers 3
Fine Arts Elective 3
Total 15

• COMPUTER SCIENCE AND ENGINEERING

Mission Statement
In keeping with the mission of the College of Engineering, the Computer Science & Engineering Department strive for excellence in teaching, research, and public service. Specifically the Department aspires to:
1. Lead the advancement of computer science through internationally recognized research and graduate education, as well as technology transfer to regional industries;
2. Prepare students for full and ethical participation in a diverse society and encourage lifelong learning;
3. To educate undergraduates in the best practices of the field as well as integrate the latest research into the curriculum;
4. Foster the development of problem solving and communication skills as an integral component of the profession;
5. Provide quality learning experiences through small classes, active learning styles of teaching, and opportunities for meaningful interactions between students and faculty.

Objectives
The Computer Science & Engineering Department graduates will:
1. be equipped with the knowledge and skills necessary to allow immediate employment as computer science and engineering professionals or to secure admission to graduate programs.
2. be prepared to function ethically and responsibly as full participants in our profession and our society.
3. have a thorough knowledge of the basic principles and practices of computing grounded upon the solid foundation of the principles of mathematics and science.
4. have a thorough knowledge of the basic principles and practices of engineering based upon a solid foundation of mathematics and science and an ability to apply these principles in the computing domain.

Three undergraduate degree tracks are offered within Computer Science and Engineering. These tracks are Computer Engineering, Computer Science and Information Systems, which lead to the Bachelor of Science in Computer Engineering, in Computer Science and in Information Systems respectively.

The Computer Engineering track emphasizes the application of engineering principles to the design of computer hardware and software. While all department tracks provide coverage of both computer hardware and software, this track allocates additional time to issues of computer architecture and hardware design. Students in this program also acquire a broad background in engineering science through the study of the engineering core.

The Computer Science track focuses on the theory of computation and computer organization. Additional course
work in programming languages, algorithms, software engineering, and a wide range of electives supplement the core coverage of hardware and software. 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 application’s 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 data 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 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 1101/1112 English I and II (6)

Humanities & Social Sciences:
- Humanities Courses (6)
- Social Science Courses (6)
- Humanities or Social Sciences (3)

Mathematics:
- USF
  - MAC 2281 C/C
  - MAC 2282
  - MAC 2283
  - MAP 2302
- *or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:
- USF
  - CHM 2045
  - CHM 2045L
  - PHY 2048

*or CHS 1440 Chemistry for Engineers

This is a limited access program involving special admissions requirements. 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. Additional restrictions apply to admission to the Department of Computer Science and Engineering.

Semester I
- MAC 2281 Engineering Calculus I 4
- ENC 1101 Freshman English I 3
- EGN 3000 Fundamentals of Eng 1
- Science Elective 3
- Social Science Elective 3
- Total 14

Semester II
- MAC 2282 Engineering Calculus II 4
- PHY 2048 Eng. Physics I 3
- PHY 2048L Eng. Physics I Lab 1
- ENC 1102 Freshman English II 3
- COP 2510 Programming Concepts 3
- Total 14

Summer Semester
- MAC 2283 Engineering Calculus III 4
- PHY 2049 Eng. Physics II 3
- PHY 2049L Eng. Physics II Lab 1
- Historical Perspectives Elect 3
- Total 14

Semester III
- CDA 3100 Computer Organization 3
- COT 3100 Intro Discrete Str 3
- COP 3514 Program Design 3
- Historical Perspectives Elect 3
- Total 12

Semester IV
- EEL 4851 Data Structures 3
- CDA 3201 Computer Logic Design 3
- CDA 3201L Computer Logic Design Lab 1
- EGN 4450 Linear Systems 2
- STA 4442 Intro to Probability 3
- Fine Arts Elective 3
- Total 15

Semester V
- CDA 4205 Computer Architecture 3
- COP 4600 Operating Systems 3
- CS&E Theory Elective 3
- Science Elective 3
- Social Science Elective 3
- Total 15

Semester VI
- CS&E Theory Elective 3
- CS&E Software Elective 6
- CS&E Elective 6
- Total 15

Semester VII
- ENC 3211 Engr. Communications 3
- ALAMEA Elective 3
<table>
<thead>
<tr>
<th>CS&amp;E Elective</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>

**Semester VIII**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4250</td>
<td>Ethical Issues</td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Social Science or Art Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101/1102</td>
<td>English I and II</td>
<td>6</td>
</tr>
</tbody>
</table>

**Humanities & Social Sciences:**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities Courses</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Courses</td>
<td>6</td>
</tr>
<tr>
<td>Humanities or Social Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematics:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2281</td>
<td>MAC 2311*</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>MAC 2312*</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2283</td>
<td>MAC 2313*</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>MAP 2302 (3)</td>
<td></td>
</tr>
<tr>
<td>*or MAC 2281, MAC 2282, MAC 2283</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Natural Sciences:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>CHM 1045*</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>CHM 1045L*</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>PHY 2048</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L(1)</td>
<td>PHY 2048L(1)</td>
<td></td>
</tr>
<tr>
<td>PHY 2049</td>
<td>PHY 2049</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>PHY 2049L</td>
<td>1</td>
</tr>
<tr>
<td>*or CHS 1440 Chemistry for Engineers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This is a limited access program involving special admissions requirements. 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. Additional restrictions apply for admission to the Department of Computer Science and Engineering.

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2281</td>
<td>Engineering Calculus I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Freshman English I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 3000</td>
<td>Fundamentals of Engineering</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Historical Perspectives Elect.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester II</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2282</td>
<td>Engineering Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Freshman English II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2048</td>
<td>Eng. Physics I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>Eng. Physics I Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2283</td>
<td>Engineering Calculus III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHY 2049</td>
<td>Eng. Physics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>Eng. Physics II Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>COP 2510</td>
<td>Programming Concepts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester III</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3100</td>
<td>Computer Organization</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COT 3100</td>
<td>Intro Discrete Str</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP 3514</td>
<td>Program Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Social Science Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAP 4302</td>
<td>Differential Equations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester IV</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4851</td>
<td>Data Structures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CDA 3201</td>
<td>Computer Logic Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CDA 3201L</td>
<td>Computer Logic Design Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>EGN 3443</td>
<td>Engineering Statistics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Electrical Sys. I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 4450</td>
<td>Linear Systems</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester V</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 4205</td>
<td>Computer Architecture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Eng. Econ. with Social &amp; Global Implications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ALAMEA Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGNXXXX</td>
<td>Eng. Electronic Materials</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Hardware Elective</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VI</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Theory Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Hardware Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VII</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3211</td>
<td>Comm. For Engineers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Historical Perspectives Elect.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Elective</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VIII</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 4910</td>
<td>Senior Project</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CDA 4250</td>
<td>Ethical Issues</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS&amp;E Elective</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

**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.

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:

USF
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
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

Strongly recommended:

Business Courses:

USF
ACG 2001 ACG 2001 (3)

Economics
ECO 2013 ECO 2013 (3)
ECO 2023 ECO 2023 (3)

Programming Concepts
EGN 2510 COP 2202 (3)

Cobol
COP 2120 COP 2120 (3)

This is a limited access program involving special admissions requirements. 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
MAC 2281/2233 Calculus I 4
ENC 1101 Freshman English 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 Freshman English II 3
PHY 2045/2053 Physics I 3
PHY 2048L/2053L Physics I Lab 1
COP 2510 Programming Concepts 3
Total 14

Summer Semester
PHY 2049/2054 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
ECO 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 2
EGN 4450 Linear Systems 2
ENC 3211 Comm. For Engineers 3
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
CS&E Elective 3
Science Elective 3
Total 15

Semester VIII
CEN 4022 Software System Development 3
CIS 4250 Ethical Issues 3
CS&E Elective 3
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 for students seeking a career in the Electrical Engineering profession and related fields; to conduct internationally recognized research which benefits humanity and to widely disseminate these findings; to utilize the resources of the program to provide service to society; and to emphasize to students 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 a sound background in mathematics, science and
modern Electrical Engineering principles/tools in order to
develop technical skills necessary for Electrical Engineer-
ing practice. Also, produce graduates who can pursue
advanced topics through graduate or professional studies.
2. who can apply the knowledge of electrical engineering
principles to the design, evaluation and optimization of
devices, components and systems that meet performance
 criteria including safety, economic and environmental con-
cerns.
3. with effective communication, interpersonal and problem
solving skills that will enable them to practice electrical
engineering successfully as individuals or as members of
multidisciplinary teams, and instill in them the need for high
ethical standards as well as the need to continue their
professional development throughout their entire careers.
4. with an appreciation of contemporary issues facing society
including cultural and societal values for successful per-
sonal/professional lives.

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 indus-
trial careers in the power, electrical, electronic, or information
industries or in related governmental laboratories and public
service agencies. The electrical graduate may apply his/her
knowledge to such diverse areas as television, communica-
tions, remote guidance, sensing (of people, vehicles, weather,
crops, etc.), automation, computer and information systems,
electric power generation and transmission, electrically pro-
pelled transportation, etc. The graduate may do this by per-
forming needed engineering functions related to research and
development (often requires an advanced degree), design,
production, operation, sales, or management of these prod-
ucts/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.

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.

Unless stated otherwise, a grade of “C” is the minimum
acceptable grade.

Some courses required for the major may also meet Gen-
eral 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)

Mathematics:
USF C/C
MAC 2281 MAC 2311* (4)
MAC 2282 MAC 2312* (4)
MAC 2283 MAC 2313* (4)
MAP 2302 MAP 2302 (3)
*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)
*CHS 1440 Chemistry for Engineers

This is a limited access program involving special admis-
sions requirements. Please be aware of the immunization,
language, continuously enrollment policies of the univer-
sity, 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Comp. I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2281</td>
<td>Eng. Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 2031</td>
<td>History of Technology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>English Comp. II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>Eng. Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>Physics Lab I</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>Chemistry Lab I</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3000</td>
<td>Foundations of Engineering</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2283</td>
<td>Eng. Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>Physics Lab II</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3443</td>
<td>Eng. Prob. and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>EGN XXX</td>
<td>Eng. Econ. with Social and Global Implications</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

Semester 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>EGN XXX</td>
<td>Engineering Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Electrical Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 2161</td>
<td>EE Computing Methods</td>
<td>3</td>
</tr>
<tr>
<td>EGN XXX</td>
<td>Eng. Electronic Materials</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Summer Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 2081</td>
<td>History of Electrotechnology</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4935</td>
<td>SP: Elec. Systems Environments</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3211</td>
<td>Comm. for Engineers</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

Semester 5

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3100</td>
<td>Network Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4705</td>
<td>Logic Design</td>
<td>3</td>
</tr>
</tbody>
</table>
business organizations, service delivery systems, and government administration.

The schedule which follows indicates how a serious, wellprepared 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 Industrial and Management Systems Engineering

Courses indicated with XXX 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:
- 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

This is a limited access program involving special admissions requirements. 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
- CHM 2041 Chemistry I 3
- CHM 2045L Chemistry Lab 1
- ENC 1101 Freshman English I 4
- MAC 2281 Eng. Calculus I 3
- Social Science Elective 3
- Total 15

• 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 practice 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 provide students with:
1. an understanding of general engineering principles, and the underlying mathematical and scientific principles;
2. a thorough understanding of the principles and practices of industrial and systems engineering and the related mathematical and scientific principles;
3. an understanding of the basic human and business context in which engineering activities take place;
4. the ability to think creatively, to communicate effectively, and to work on inter-disciplinary teams;
5. to succeed in engineering employment, graduate study, and 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
Semester II
CHM 2042 Chemistry II  3
EGN 2031 History of Technology  3
ENG 1102 Freshman English  3
MAC 2282 Eng. Calculus II  4
PHY 2048 Physics I  3
PHY 2048L Physics I Lab  1
Total 17

Semester III
EGN 3443 Engineering Probability Statistics I  3
MAC 2283 Calculus III  4
PHY 2049 Physics II  3
PHY 2049L Physics II Lab  1
Historical Perspectives  3
Total 14

Semester IV
EGN 3311 Statics  3
EGN 3373 Electrical Systems Engineering I  3
EGN 4450 Linear Systems  2
MAP 2302 Differential Equations  3
Fine Arts Elective  3
Total 14

Summer Term
EGN 1113 Engineering Graphics  3
EGN 3xx Engineering Econ. with Social and Global Implications  3
ALAMEA Elective  3
Total 9

Semester V
COP 2510 Programming Concepts  3
EGN 3365 Materials Engineering I  3
EIN 4312 Work Analysis  2
EIN 4312L Work Analysis Lab  1
EIN 4411 Manufacturing Processes  2
EIN 4411L Manufacturing Processes Lab  1
ESI 4312 Deterministic OR  3
Total 15

Semester VI
EGN 3343 Thermodynamics  3
EIN 4333 Production Control  3
EIN 4601 Automation/Robotics  2
EIN 4601L Automation/Robotics Lab  1
ESI 4313 Probabilistic OR  3
Tech Elective - Engineering Science  3
Total 15

Semester VII
EIN 4364 Facilities Design I  2
EIN 4364L Facilities Design I Lab  1
EIN 4933 Management Cost  3
ESI 4244 Design of Experiments  3
ESI 4523 Simulation  2
ESI 4523L Simulation Lab  1
Tech Elective - Industrial Engineering  3
Total 15

Semester VIII
EIN 4313 Human Factors  2
EIN 4313L Human Factors Lab  1
EIN 4365 Facilities Design II  3
ESI 4221 Industrial Statistics/Quality  2
ESI 4221L Industrial Statistics/Quality Lab  1
ENG 3211 Communication for Engineers  3
Tech Elective  2
Total 14

• MECHANICAL ENGINEERING

Mission Statement
The Mission of the Mechanical Engineering Department is:
1. to provide a quality undergraduate and graduate education for students entering the mechanical engineering profession or seeking careers in related fields;
2. to advance scientific knowledge through basic and applied research;
3. to disseminate technical information through scholarly publication, technical conferences and continuing education;
4. to advance the profession through service within the associated professional societies and;
5. to promote activities which serve both domestic and international development.

Objectives
The Objectives of the Undergraduate Program in Mechanical Engineering are:
1. to teach students to understand and to apply concepts of basic science, mathematics, computation, and engineering science essential to professional practice;
2. to train students in the design of experiments, in modern instrumentation methods, in the techniques of modern data acquisition and in methods of data interpretation;
3. to develop those skills essential to the design process, including problem formulation, synthesis, analysis, construction and testing and/or evaluation;
4. to enhance those talents necessary for effective professional interaction including multi-disciplinary collaboration, successful oral communication and effective writing, and;
5. to encourage an understanding of technology within a global/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, and controls. This is supplemented by elective coursework in such areas as power plant analysis, refrigeration and air conditioning, mechanical design, advanced mechanics, heat transfer, robotics, propulsion, vibrations, 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 industrial production.

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:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2281</td>
<td>MAC 2311* (4)</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>MAC 2312* (4)</td>
</tr>
<tr>
<td>MAC 2283</td>
<td>MAC 2313* (4)</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>MAP 2302 (3)</td>
</tr>
</tbody>
</table>

*or MAC 2281, MAC 2282, MAC 2283

**Natural Sciences:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>CHM 1045* (3)</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>CHM 1045L* (1)</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>PHY 2048 (3)</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>PHY 2048L (1)</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>PHY 2049 (3)</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>PHY 2049L (1)</td>
</tr>
</tbody>
</table>

*or CHS 1440 Chemistry for Engineers

**Strongly recommended:**

**Graphics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1113</td>
<td>EGS 1111 (3)</td>
</tr>
</tbody>
</table>

This is a limited access program involving special admissions requirements. 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Freshman English I</td>
</tr>
<tr>
<td>MAC 2281</td>
<td>Engineering Calculus I</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 2281</td>
<td>Chemistry Lab I</td>
</tr>
<tr>
<td>EGS 1113</td>
<td>Intro. to Design Graphics</td>
</tr>
<tr>
<td>EGN 3000</td>
<td>Foundations of Engineering</td>
</tr>
</tbody>
</table>

Total 15

**Semester II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Freshman English II</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>Engineering Calculus II</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>General Physics I Lab</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 15

**Semester III**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2283</td>
<td>Engineering Calculus III</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>General Physics II Lab</td>
</tr>
<tr>
<td>EGN 3311</td>
<td>Statics</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 14

**Semester IV**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
</tr>
</tbody>
</table>

Total 3

**EGN 3321** Dynamics 3
**EGN 3365L** Materials Engineering I 3
**EGN 3373** Electrical Systems I 3
**Historical Perspectives** 3
**Total** 15

**Summer Term**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3443</td>
<td>Eng Statistics &amp; Prob.</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics I</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Mechanics of Solids</td>
</tr>
<tr>
<td>EGN 2031</td>
<td>History of Technology</td>
</tr>
</tbody>
</table>

Total 12

**Semester V**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3762</td>
<td>Kin. &amp; Dyn. of Machinery</td>
</tr>
<tr>
<td>EML 4041</td>
<td>Computational Methods</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Systems</td>
</tr>
<tr>
<td>ENC 3211</td>
<td>Comm. for Engineers</td>
</tr>
<tr>
<td>Mechanics Tech Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 16

**Semester VI**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501</td>
<td>Machine Design</td>
</tr>
<tr>
<td>EML 3303</td>
<td>Mechanical Engineering Lab I</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer I</td>
</tr>
<tr>
<td>EML 4106</td>
<td>Thermal Syst.</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Eng. Eco. with Social &amp; Global Impl.</td>
</tr>
</tbody>
</table>

Total 15

**Semester VII**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML XXX</td>
<td>Mechanical Manufacturing Processes</td>
</tr>
<tr>
<td>EML 4302</td>
<td>Mechanical Engineering Lab II</td>
</tr>
<tr>
<td>EML 4220</td>
<td>Vibrations</td>
</tr>
<tr>
<td>EML 4551</td>
<td>Capstone Design (MWMI)</td>
</tr>
<tr>
<td>ALAMEA Perspectives Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 15

**Semester VIII**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4312</td>
<td>Mechanical Controls</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Approved Technical/Design Elective</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science Elective*</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 12

*Students may substitute a technical/design elective if University natural science requirements are satisfied.

**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 2.0. 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 designated 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 “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 (ABCDF). 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 1987 all students pursuing Bachelor of Science degree programs in Civil or Mechanical Engineering will be required to take the Fundamentals of Engineering Exam of the State Board of Professional Regulation at least one term prior to the term of anticipated 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. 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 allow transfer credit when appropriate if the transferred course has been passed. 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. The 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 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

The Certificate in Biomedical Engineering provides students an opportunity to get an introduction to a rapidly developing field of study and to receive recognition for their endeavors. Students in the program must 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.)
BSC 2010 Biology II - 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 Psychology of Neuropsychology
(or approved substitute)

**Engineering** (9 hrs. min.***)
EEL 4935 Special Electrical Topics
ECH 5746 Intro to Biomedical Engineering
One or more of the following (to achieve 9 hrs. min. in area):
EIN 4315L Human Factors
EIN 5265 Work Physiology & Biomechanics
ECH 5747 Selected Topics in Chemical Engineering Biotechnology
ECH 5748 Selected Topics in Biomedical Engineering
(or other approved Engineering courses)
*These courses are typically 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.
**These courses are not normally required for Medical School admission, but are often "highly recommended."
***This is a single semester course in Organic Chemistry. This course does not normally satisfy the admission requirements of many Medical Schools. It also does not count towards the Chemical Engineering degree (students must take the full year sequence).
****It is important to note that these engineering courses are above and beyond the courses necessary to satisfy the 136 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 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.

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 marked SC 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 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 0.500 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 of Engineering Computing Facilities are used to provide support for specialized engineering calculations above and beyond those that are available at the IBM based Central Florida Regional Data Center (CFRDC).

The College of Engineering operates a cluster of file and computer servers for students and faculty within the College. These consist of SUN servers and four Ardent multiprocessors mini-supercomputers. The networks provide access from offices and laboratories, computer rooms and dial-in facilities.

All machines are configured for E-mail and access to Internet. Conventional asynchronous links to the campus central facility will shortly be supplemented with an Ethernet link.

In addition to the network facilities, the College operates open access P.C. labs. Three are available for undergraduate engineering students; a third smaller lab is reserved for graduate students and faculty.

The network facilities provide access either via Ethernet or the ISDN. Connections to offices, laboratories and classrooms are available on request, subject to budget priorities. The FEEDS studies are also networked to provide demonstrations for remote classes.

The College facilities run most of the standard engineering software. Languages include Fortran, Basic, Pascal, C, Ada, and several varieties of LISP and Prolog. Applications software includes mathematical libraries, suites of programs for VLSI design, chemical process design, civil and mechanical engineering design, robotics simulation, and circuit simulation and analysis. There are high-resolution color terminals for use in conjunction with these activities, and for mechanical design there are four multiple display workstations with joysticks and digitizing pads. Similar arrangements are used for VLSI design.

Additionally, the Computer Science and Engineering Department within the College runs other facilities consisting of an Ethernet with SUN and DEC machines, an Intel Hypercube parallel computer, and extensive microcomputer laboratories.

**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 like 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 core and major 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.
Southern Technology Applications Center (STAC)
The Space Act of 1958 directed NASA “to provide the widest practical and appropriate dissemination of information concerning its activities and results thereof.” In order to pursue this mandate NASA established a network of Industrial Applications Centers (IACS) to disseminate and transfer NASA technology, products and processes to the private sector. In 1977 NASA and the State University System of Florida combined resources to form the Southern Technology Applications Center which operated a regional IAC in the State of Florida. STAC is a not-for-profit 501.C3 Corporation partially supported by NASA and SUS grants and its effective network of experts and resources are located at the colleges of Engineering at six of the SUS universities.

In December 1991 the NASA IAC Network was reorganized to provide comprehensive technology transfer and economic development services. The new program resulted in a network of six Regional Technology Transfer Centers that link NASA Field Centers, Federal laboratories, Universities and other Technology Transfer networks for more efficient technology transfer.

In January 1992 STAC was appointed the Southeast Regional Technology Transfer Center (RTTC) with responsibility for nine Southeastern states.

Since the early days of its existence STAC has built a reputation for successfully identifying, matching, developing and deploying the critical information and technology needed by business, industry, academic institutions and government. In this way, American companies, especially small firms are able to capitalize rapidly on the results of scientific research and technological innovation in the areas of science and technology necessary to compete in the dynamic marketplace.

The cornerstone of STAC’s technology transfer success is a professional staff trained and experienced in engineering, physical and biological sciences, medicine, social and behavioral sciences, business planning, marketing, training, library science and government. STAC’s Information Research Center accesses an international array of over 2000 databases and 35 document retrieval sources. STAC’s hands-on approach enables each client to receive the attention and alternative solutions needed to make the best strategic decisions.

STAC is the connection to access the information technology, inventions, equipment, facilities and expertise that resides within NASA, the other 700+ Federal laboratories and the SUS Universities.

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

CIVIL AND ENVIRONMENTAL ENGINEERING

COMPUTER SCIENCE AND ENGINEERING

ELECTRICAL ENGINEERING

INDUSTRIAL AND MANAGEMENT SYSTEMS

MECHANICAL ENGINEERING

ENGINEERING COURSES

BASIC AND INTERDISCIPLINARY ENGINEERING

EGN 2031 History of Technology -HP
EGN 2210 Computer Tools for Engineers
EGN 3000 Foundations of Engineering
EGN 3000L Foundations of Engineering Laboratory
EGN 3311 Statics
EGN 3321 Dynamics
EGN 3331 Mechanics of Materials
EGN 3331L Mechanics of Materials Laboratory
EGN 3343 Thermodynamics I
EGN 3353 Basic Fluid Mechanics
EGN 3365 Materials Engineering I
EGN 3373 Introduction to Electrical Systems I
EGN 3374 Introduction to Electrical Systems II
EGN 3375 Introduction to Electrical Systems III
EGN 3433 System Dynamics
EGN 3443 Engineering Statistics I
EGN 3613C Engineering Economy I
EGN 4366 Materials Engineering II
EGN 4420 Numerical Methods of Analysis
EGN 4450 Introduction to Linear Systems
EGN 4831 Technology and Society -MW
EGN 4905 Independent Study
EGN 5311 Special Topics in Engineering
EGN 5421 Engineering Applications for Vector Analysis
EGN 5422 Engineering Applications of Partial Differential Equations
EGN 5533 Natural Networks and Mathematical Communication
EGN 5424 Engineering Applications of Complex Analysis
EGN 5425 Engineering Applications of Advanced Matrix Computations
EGN 1113 Introduction to Design Graphics
EGS 4161C Computers in Industrial Engineering
EGS 4313 Probability O. R.

USF
### CHEMICAL ENGINEERING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 3023</td>
<td>Introduction to Process Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 3264C</td>
<td>Transport Processes I</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 3702</td>
<td>Instrument Systems I</td>
<td>(4)</td>
</tr>
<tr>
<td>ECH 4123C</td>
<td>Phase and Chemical Equilibria</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 4244L</td>
<td>Chemical Engineering Laboratory II</td>
<td>(2)</td>
</tr>
<tr>
<td>ECH 4265C</td>
<td>Transport Processes II</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 4323C</td>
<td>Automatic Control I</td>
<td>(4)</td>
</tr>
<tr>
<td>ECH 4415C</td>
<td>Reacting Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 4805C</td>
<td>Strategies of Process Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 4915P</td>
<td>Plant Design and Optimization -MW</td>
<td>(1-4)</td>
</tr>
<tr>
<td>ECH 4905C</td>
<td>Independent Study</td>
<td>(1-4)</td>
</tr>
<tr>
<td>ECH 4930C</td>
<td>Special Topics in Chemical Engineering I</td>
<td>(1-4)</td>
</tr>
<tr>
<td>ECH 4902C</td>
<td>Soil Mechanics</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 5285C</td>
<td>Transport Phenomena</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 5324C</td>
<td>Automatic Process Control II</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 5740C</td>
<td>Theory and Design of Bioprocesses</td>
<td>(4)</td>
</tr>
<tr>
<td>ECH 5742</td>
<td>Pharmaceutical Engineering</td>
<td>(2)</td>
</tr>
<tr>
<td>ECH 5746C</td>
<td>Introduction to Biomedical Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>ECH 5747C</td>
<td>Selected Topics in Chemical Engineering Biotechnology</td>
<td>(1-3)</td>
</tr>
<tr>
<td>ECH 5750</td>
<td>Selected Topics in Biomedical Engineering</td>
<td>(1-3)</td>
</tr>
<tr>
<td>ECH 5820</td>
<td>Product Development</td>
<td>(2)</td>
</tr>
<tr>
<td>ECH 5910</td>
<td>Directed Research in Bioengineering</td>
<td>(1-3)</td>
</tr>
<tr>
<td>ECH 5930</td>
<td>Special Topics III</td>
<td>(1-4)</td>
</tr>
<tr>
<td>ECH 5931</td>
<td>Special Topics IV</td>
<td>(1-4)</td>
</tr>
</tbody>
</table>

### CIVIL AND ENVIRONMENTAL ENGINEERING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 4011</td>
<td>Soil Mechanics I</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4011L</td>
<td>Geotechnical Laboratory</td>
<td>(1)</td>
</tr>
<tr>
<td>CEG 4012</td>
<td>Soil Mechanics II</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4801</td>
<td>Geotechnical Design</td>
<td>(2)</td>
</tr>
<tr>
<td>CEG 4850</td>
<td>Capstone Geotechnical/Transportation Design -MW</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 5115</td>
<td>Foundation Engineering</td>
<td>(1)</td>
</tr>
<tr>
<td>CEG 5205</td>
<td>Laboratory Testing for Geotechnical Engineers</td>
<td>(3)</td>
</tr>
<tr>
<td>CES 3102</td>
<td>Structures I</td>
<td>(1)</td>
</tr>
<tr>
<td>CES 4000</td>
<td>Structures and The Urban Environment for Non-Engineers -6A MW</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4141</td>
<td>Matrix Structural Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4561</td>
<td>Computer Aided Structural Design</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4605</td>
<td>Concepts of Steel Design</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4618</td>
<td>Structural Design Steel</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4702</td>
<td>Concepts of Concrete Design</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4704</td>
<td>Structural Design-Concrete</td>
<td>(2)</td>
</tr>
<tr>
<td>CEG 4720</td>
<td>Capstone Structural/Materials Design</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4740</td>
<td>Capstone Geotechnical/Geotechnical Design -MW</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4742</td>
<td>Concepts of Structural Dynamics</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 4820C</td>
<td>Timber and Masonry Design</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 5105C</td>
<td>Advanced Mechanics of Materials I</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 5209</td>
<td>Structural Dynamics</td>
<td>(3)</td>
</tr>
<tr>
<td>CEG 5715C</td>
<td>Prestressed Concrete</td>
<td>(3)</td>
</tr>
<tr>
<td>CGN 3021L</td>
<td>Civil Engineering Laboratory</td>
<td>(2)</td>
</tr>
<tr>
<td>CGN 4122</td>
<td>Professional and Ethical Issues in Engineering -MW</td>
<td>(3)</td>
</tr>
<tr>
<td>CGN 4851</td>
<td>Concrete Construction Materials</td>
<td>(3)</td>
</tr>
<tr>
<td>CGN 4911</td>
<td>Research in Concrete Engineering</td>
<td>(1-4)</td>
</tr>
<tr>
<td>CGN 4914</td>
<td>Senior Project</td>
<td>(2-5)</td>
</tr>
<tr>
<td>CGN 4933</td>
<td>Special Topics in Civil and Environmental Engineering and Mechanics</td>
<td>(1-5)</td>
</tr>
<tr>
<td>CWR 4103</td>
<td>Water Resources Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>CWR 4202</td>
<td>Hydraulics</td>
<td>(3)</td>
</tr>
<tr>
<td>CWR 4610</td>
<td>Hydraulic Design</td>
<td>(2)</td>
</tr>
<tr>
<td>CWR 4812</td>
<td>Capstone Water Resources Design -MW</td>
<td>(3)</td>
</tr>
<tr>
<td>EMA 4324</td>
<td>Corrosion of Engineering Materials I</td>
<td>(3)</td>
</tr>
<tr>
<td>EMA 5326</td>
<td>Corrosion Control</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 3011</td>
<td>Environmental Engineering</td>
<td>(1)</td>
</tr>
<tr>
<td>ENV 4004L</td>
<td>Environmental Engineering Laboratory</td>
<td>(1)</td>
</tr>
<tr>
<td>ENV 4101</td>
<td>Air Pollution Control</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4351</td>
<td>Solid Waste Engineering</td>
<td>(2)</td>
</tr>
<tr>
<td>ENV 4400</td>
<td>Chemical Aspects of Environmental Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4417</td>
<td>Water Quality and Treatment</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4432</td>
<td>Water Systems Design</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4502</td>
<td>Environmental Unit Operations</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4510</td>
<td>Environmental Unit Processes</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 4891</td>
<td>Capstone Environmental Design -MW</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 5105</td>
<td>Air Resource Management</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 5345</td>
<td>Solid And Hazardous Waste Control</td>
<td>(3)</td>
</tr>
<tr>
<td>ENV 5650</td>
<td>Environmental Risk Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>Engineering Land Survey</td>
<td>(3)</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>Transportation Engineering I</td>
<td>(3)</td>
</tr>
<tr>
<td>TTE 4005</td>
<td>Transportation Engineering II</td>
<td>(3)</td>
</tr>
</tbody>
</table>

### ELECTRICAL ENGINEERING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3100</td>
<td>Network Analysis and Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 3302</td>
<td>Electronics I</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 3410</td>
<td>Fields and Waves I</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4103</td>
<td>Linear Systems Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4163</td>
<td>Computer Aided Design and Analysis</td>
<td>(2)</td>
</tr>
<tr>
<td>EEL 4305</td>
<td>Electronics II</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4351</td>
<td>Semiconductor Devices</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4411</td>
<td>Fields And Waves II</td>
<td>(2)</td>
</tr>
<tr>
<td>EEL 4511</td>
<td>Communication Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4512</td>
<td>Introduction to Communication Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4567</td>
<td>Electro-Optics</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4583</td>
<td>Linear Control Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4805</td>
<td>Independent Study</td>
<td>(1-5)</td>
</tr>
<tr>
<td>EEL 4906</td>
<td>Project -MW</td>
<td>(2)</td>
</tr>
<tr>
<td>EEL 4935</td>
<td>Special Electrical Topics</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EEL 4936</td>
<td>Special Electrical Topics</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EEL 4937</td>
<td>Special Electrical Topics</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EEL 5250</td>
<td>Power System Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5344C</td>
<td>Digital CMOS/VLSI Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5345</td>
<td>Integrated Circuit Technology</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5357</td>
<td>Analog CMOS/VLSI Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5382</td>
<td>Physical Basis Of Microelectronics</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5437</td>
<td>Microwave Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>EEL 5462</td>
<td>Antenna Theory</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5572C</td>
<td>Local and Metropolitan Area Networks</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5631</td>
<td>Digital Control Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5754C</td>
<td>Microprocessor Based Digital Signal Processing</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 5935</td>
<td>Special Electrical Topics I</td>
<td>(1-3)</td>
</tr>
<tr>
<td>EEL 5936</td>
<td>Special Electrical Topics II</td>
<td>(1-3)</td>
</tr>
<tr>
<td>EEL 5937</td>
<td>Special Electrical Topics III</td>
<td>(1-3)</td>
</tr>
<tr>
<td>ELR 3301L</td>
<td>Laboratory 1</td>
<td>(1)</td>
</tr>
<tr>
<td>ELR 3302L</td>
<td>Laboratory 2</td>
<td>(1)</td>
</tr>
<tr>
<td>ELR 4308L</td>
<td>Laboratory 4</td>
<td>(1)</td>
</tr>
</tbody>
</table>

**INDUSTRIAL AND MANAGEMENT SYSTEMS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4312C</td>
<td>Work Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4313C</td>
<td>Human Factors</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production Control</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4364C</td>
<td>Facilities Design I</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4365</td>
<td>Facilities Design II-MW</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4411</td>
<td>Manufacturing Processes</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4601L</td>
<td>Automation and Robotics</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 4933</td>
<td>Special Topics in Industrial Engineering</td>
<td>(1-6)</td>
</tr>
<tr>
<td>EIN 5245</td>
<td>Work Physiology and Biomechanics</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 5322</td>
<td>Principles of Engineering Management</td>
<td>(3)</td>
</tr>
<tr>
<td>EIN 5357</td>
<td>Engineering Value Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Industrial Statistics and Quality Control</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 4244</td>
<td>Design Of Experiments</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Deterministic O. R.</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 4523</td>
<td>Industrial Systems Simulation</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 4905</td>
<td>Independent Study</td>
<td>(1-5)</td>
</tr>
<tr>
<td>ESI 4911</td>
<td>Senior Project</td>
<td>(2)</td>
</tr>
<tr>
<td>ESI 5219</td>
<td>Statistical Methods For Engineering Managers</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 5236</td>
<td>Reliability Engineering</td>
<td>(3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESI 5306</td>
<td>Operations Research For Engineering Management</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 5479</td>
<td>Manufacturing Systems Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>ESI 5522</td>
<td>Computer Simulation</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**MECHANICAL ENGINEERING**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4121</td>
<td>Hydro and Aerodynamics</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3041</td>
<td>Computational Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3262</td>
<td>Kinematics and Dynamics of Machinery</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3303</td>
<td>Mechanical Engineering Lab I</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Machine Analysis and Design I</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4031</td>
<td>Visual Basic for Engineers and Scientists</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4106C</td>
<td>Thermal Systems and Economics</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4142C</td>
<td>Heat Transfer I</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4220C</td>
<td>Vibrations</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4302</td>
<td>Mechanical Engineering Laboratory II</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4312</td>
<td>Mechanical Controls</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4414</td>
<td>Heat Power Engineering</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4419C</td>
<td>Propulsion I</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4501</td>
<td>Machine Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4551</td>
<td>Capstone Design-MW</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4552</td>
<td>Senior Mechanical Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4562</td>
<td>Introduction to Composite Materials</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4601</td>
<td>Air Conditioning Design</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 4905</td>
<td>Independent Study</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EML 4930</td>
<td>Special Topics in Mechanical Engineering</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EML 5245</td>
<td>Tribology</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 5325</td>
<td>Mechanical Manufacturing Processes</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 5422</td>
<td>Internal Combustion Engines</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 5930</td>
<td>Special Topics III</td>
<td>(1-4)</td>
</tr>
<tr>
<td>EML 5931</td>
<td>Special Topics IV</td>
<td>(1-4)</td>
</tr>
</tbody>
</table>
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.

The College's mission is to provide a broad and thorough education dedicated to (1) developing professional excellence in those who are interested in a career in the arts, (2) fostering a high level of aesthetic understanding in those preparing to teach, and (3) enriching the life and overall cultural environment of the community.

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/Graphicstudio 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/

Mission

The Art Department has linkages throughout the Tampa Bay area. Most recently, the College has extended its involvement in an economically distressed area near USF with the university-wide initiatives and USF Neighborhood Association.

The Dance Department is an incubator for original contemporary and traditional dance compositions and is progressively enhanced by visiting artists including members of the Charleston Ballet Theatre, the Alvin Ailey Dance Company, the Indianapolis Ballet Theatre, and others. Until recently, the College hosted the Florida Dance Festival annually.

The School of Music hosted the preeminent International Society of Music Educators Conference in 1994. The Festival of Winds has a 20-year tradition of bringing in a large number of top school musicians from all over Florida. The School of Music also presents the biennial Suncoast Music Educators Forum, which draws attention throughout the country, and Canada. The School brings renowned artists and groups such as the Russian Youth Chamber Orchestra, the Florida Brass Quintet, and others to the north Tampa area.

The Theatre Department is noted for the British International Program (BRIT), a private/public endowed partnership, that brings renowned English guest artists to create a rich learning and performing environment in north Tampa annually. The Theatre Department has extended this program into the surrounding community through performances in schools and other civic locations.

The mission of the Contemporary Art Museum focuses on fostering a creative environment for the enrichment and growth of USF students, faculty and citizens of the surrounding communities.

Graphicstudio, founded in 1968 at the University of South Florida, works under a mandate to carry on a program of basic research, producing visual artwork and techniques that will contribute in a significant way to the creation of new knowledge. The program serves the needs of a variety of constituencies including USF students and faculty, the local Tampa Bay community, the state of Florida, and the world of art at large. In its 25-year history, Graphicstudio has been joined in its mission by over 45 leading contemporary artists from around the world. These collaborations have resulted in the completion of 350 projects, copies of which are permanently archived at the National Gallery of Art in Washington DC.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) in Art Education, Music Education, and Dance Education.

Undergraduate Admission to the College of Fine Arts

Students who wish to be admitted to the College of Fine Arts with a major in one of the four academic departments should contact the intended department (or School) for an audition or portfolio review as early as possible. Once the student is admitted to the university and passes the audition or portfolio review, he or she should file a declaration of major indicating the degree program. Continuing university students who wish to major in Fine Arts should also go through the audition or portfolio review process before filing a change of Major. The student must initiate this process from the College of the present major. The current academic record, then, will be transferred to the College of Fine Arts in the COFA advising office.

Transfer students seeking admission to the College of Fine Arts and students from other units within USF with previous college or university fine arts course credits (art, dance, music, theatre) must have such credits evaluated in addition to meeting the portfolio or audition. These students are urged to make early arrangements for the necessary portfolio reviews or auditions, as well as appointments for advising, since these must take place prior to course scheduling and registration. Further, students are required to provide copies of their transcripts showing all previous college or university coursework for advising, and portfolio review and/or audition appointments.

Additional information may be obtained by telephoning or writing the College's advising office or the office of the department or school of particular interest.

Admission to the College of Fine Arts will require an overall GPA of 2.5 with a minimum score of 840 on the SAT (950 if taken after April 1, 1995) or 20 on the ACT. However, an overall 2.25 GPA will be acceptable with a minimum score of 940 on the SAT (1030 if taken after April 1, 1995) or 22 on the ACT. Official grade forgiveness will be used as appropriate.

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) 974-3860. 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 Theatre Education track (129), Music Education degree (134) and Art Education degree (126).

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. Students admitted under the 1994/95 catalog must complete the Liberal Arts requirements of the university in lieu of the old General Distribution requirements.

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.

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 CLAST 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 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
Incomplete 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 audit 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 that 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 minors 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 curriculum is 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 Art program allows many possible courses of study, most art major students will select one area of emphasis chosen from the course offerings listed.

The major areas of emphasis, available to undergraduate art students are Painting, Sculpture, Ceramics, Electronic Media (Computer Imaging, Video), Printmaking, Photography, and Art History and Theory. 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." 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 may 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 2050/2051 Art History Survey I and Art History Survey II (3)
ART 20XX Any 2-3 introductory media course, 6-9 semester hours or 12 hours of ART 2XX

Requirements for the B.A. Degree in Art Studio

In addition to the prerequisites outlined above, 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>ART 2201C</td>
<td>Fabrications I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Fabrications II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 3301C</td>
<td>Intermediate Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 2510C</td>
<td>Beginning Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 2710C</td>
<td>Beginning Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 2110C</td>
<td>Beginning Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 2222</td>
<td>Beginning Electronic Media</td>
<td>3</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 12 hours

III. Intermediate Studio Workshops

A minimum of 9 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 Level Studio Specialization</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3000 Level Non-Specialization</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3000 Level Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total 9 hours

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 Level Specialization</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4100</td>
<td>Prehistoric &amp; Ancient</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4170</td>
<td>Greek &amp; Roman</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4301</td>
<td>Renaissance</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>Baroque and Rococo</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4520</td>
<td>African</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4530</td>
<td>Oriental</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4796</td>
<td>Critical Studies</td>
<td>4</td>
</tr>
</tbody>
</table>

Total 12 hours

*4 hours may be taken in either critical studies seminar ARH 4790 or Directed Reading/ART 4900.
**ARH 4450 is required of all majors and should be taken simultaneously with the Advanced Studio Workshops and Theme Studios.

VI. Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4955</td>
<td>Senior Projects*</td>
<td>(2-4)</td>
</tr>
<tr>
<td>ART 4956</td>
<td>Extended Studies**</td>
<td>(2-4)</td>
</tr>
</tbody>
</table>

Total 6 hours

*Required of all majors
**Required of all majors (Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London Middlesex Program)
**Requirements for the B.F.A. Degree in Art History**

In addition to the prerequisites outlined in the description of the Art major above, the following courses are necessary for completing a B.A. degree in Art History:

1. **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**

2. **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:

3. **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**

4. **Art History Critical Studies or Directed Reading**
   
   - ARH 4796 Critical Studies in Art History (4)
   - ART 4900 Directed Reading (A minimum of 12 credit hours)

   **Total 12 hours**

5. **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**

6. **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

Requirements for the Minor in Art

Studio Concentration: Total of 24 minimum hours required
I. Art 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)
   or
   Advanced 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)
   or
   Art History Survey (6)
Total 12 hours

• ART EDUCATION

   This program is currently inactive. See the Department Chair for further information.

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-Peña, Adam Gopnik, The Guerrilla Girls, 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 Turkle, and Robin Winters, as well as internationally recognized artists from Africa, Europe, and Latin America, such as Leo Copers, Patrick Corillon, Alfredo Jaar, Antonio Martorell, Pepin 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, workshops, 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. Additional preparation in graduate programs may lead to opportunities 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 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
Requirements for the B.F.A. Degree in Dance

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 Choreographic Projects.

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)
E elective 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 (1)
DAA 4687 Performance/Repertoire (5)
DAA 4694 Senior Choreographic Project (1)

*Concurrent enrollment in Dance Technique

Dance Theory (27 semester hours)
DAN 2160 Entry Seminar (2)
DAN 3584 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (3)
DAA 3614 Music for Dance I (2)
DAA 3615 Music for Dance II (2)
DAA 4404 Laban Movement Analysis (3)
DAA 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)

DAN 3584 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (3)
DAA 3614 Music for Dance I (2)
DAA 3615 Music for Dance II (2)
DAA 4404 Laban Movement Analysis (3)
DAA 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)

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.) would 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 the dance with his or her focused study.

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.

Coursework to be taken at USF

Studio Technique (20 semester hours)
DAA 3108 Modern II (6)
DAA 3208 Ballet II (6)
DAA 3109 Modern III (6)
DAA 3209 Ballet III (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 apply directly 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

(If equivalent course or demonstrated competency may be substituted)

In addition to EDF 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. 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:

- **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</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3108 Modern II</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 3109 Modern III</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 3208 Ballet II</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 3209 Ballet III</td>
<td>(3)</td>
</tr>
<tr>
<td>DAA 4111 Modern IV</td>
<td>(4)</td>
</tr>
<tr>
<td>DAA 4211 Ballet IV</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**Additional Required Studio Technique Courses Include:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2352 Ethnic/Folk Dance</td>
<td>(2)</td>
</tr>
</tbody>
</table>

### Creative Studio Studies (10 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3624 Dance Improvisation</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 3614 Choreography I</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 3615 Choreography II</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 4616 Choreography III</td>
<td>(2)</td>
</tr>
<tr>
<td>DAA 3548 Jr. Performance Project</td>
<td>(1)</td>
</tr>
<tr>
<td>DAA 3686 Performance</td>
<td>(1)</td>
</tr>
</tbody>
</table>

### Dance Theory (21 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 2160 Entry Seminar</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 3584 Practicum in Dance</td>
<td>(1)</td>
</tr>
<tr>
<td>TPA 2223 Theatrecrafts; Lighting</td>
<td>(3)</td>
</tr>
<tr>
<td>DAN 3614 Music for Dance I</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 3615 Music for Dance II</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 3714 Dance Kinesiology</td>
<td>(3)</td>
</tr>
<tr>
<td>DAN 4134 Dance History Through the 19th Century</td>
<td>(3)</td>
</tr>
<tr>
<td>DAN 4135 20th Century Dance History</td>
<td>(3)</td>
</tr>
<tr>
<td>DAN 4930 Research in Dance</td>
<td>(2)</td>
</tr>
<tr>
<td>DAN 4181 Dance Senior Seminar</td>
<td>(2)</td>
</tr>
</tbody>
</table>

**Focused Electives (15/17 semester hours)**

### Department of Education Professional Prerequisites (9 semester hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to Education</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF 2701 Teaching Diverse Populations</td>
<td>(3)</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>(3)</td>
</tr>
</tbody>
</table>

### Professional Preparation

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3122 Learning and the Developing Child</td>
<td>(4)</td>
</tr>
<tr>
<td>EDF 3214 Human Development and Learning</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF 3604 Social Foundations of Education</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF 3542 Philosophy of Education</td>
<td>(4)</td>
</tr>
<tr>
<td>EEX 4070 Integration of Exceptional Students in the Regular Classroom</td>
<td>(2-3)</td>
</tr>
<tr>
<td>EDF 4430 Measurement for Teachers</td>
<td>(3)</td>
</tr>
<tr>
<td>DAE 4340 Dance Pedagogy: Secondary Curriculum and Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>DAE 4310 Dance Pedagogy: Pre-K and Elementary Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>DAE 4940 Internship Dance Education</td>
<td>(10)</td>
</tr>
<tr>
<td>DAE 4936 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.

**Studio Technique (10 semester hours)**

Select 10 credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2205 Ballet I</td>
<td>(2)</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>DAA 3208</td>
<td>Ballet II</td>
</tr>
<tr>
<td>DAA 3209</td>
<td>Ballet III</td>
</tr>
<tr>
<td>DAA 4211</td>
<td>Ballet IV</td>
</tr>
<tr>
<td>DAA 2105</td>
<td>Modern Dance I</td>
</tr>
<tr>
<td>DAA 3108</td>
<td>Modern Dance II</td>
</tr>
<tr>
<td>DAA 3109</td>
<td>Modern Dance III</td>
</tr>
<tr>
<td>DAA 4111</td>
<td>Modern Dance IV</td>
</tr>
<tr>
<td>DAA 2504</td>
<td>Jazz Dance</td>
</tr>
<tr>
<td>DAA 4530</td>
<td>Special Topics in Dance</td>
</tr>
</tbody>
</table>

(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)

**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 all major technique classes is by faculty audition. 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 production practicum 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. Adequate academic progress.
2. Adequate technical skills and adaptability.
3. "B" average in major studio classes.
4. Good health which includes adequate control of body weight. 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**
By supplementing its excellent ongoing regular staff-instructed dance curriculum with other professional resources made available through the Visiting Artist and Artist-in-Residence programs, the Dance Department provides for dance students an overall dynamic program for practice, study, and learning.

- **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, organ, piano, piano pedagogy, and orchestral instruments), Composition, and Jazz Studies (composition and performance).

**GENERAL REQUIREMENTS**
All students seeking a Bachelor of Music degree are required: (1) complete successfully the piano proficiency (piano proficiency required instead for all major 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 1010 (see the specific requirements for MUS 1010 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 nonlimited 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. This examination is diagnostic and is used for advising purposes. Audition 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 Music 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**

<table>
<thead>
<tr>
<th>Music Theory (22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1111 (3)</td>
</tr>
<tr>
<td>MUT 1112 (3)</td>
</tr>
<tr>
<td>MUT 1241 (1)</td>
</tr>
<tr>
<td>MUT 1242 (1)</td>
</tr>
</tbody>
</table>

**Music Literature (3)**

- MUT 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)
  - *Either 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)

---

**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.

**Music Electives**

(12-13 hours)

**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**

<table>
<thead>
<tr>
<th>Music Theory (26)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1111 (3)</td>
</tr>
<tr>
<td>MUT 1112 (3)</td>
</tr>
<tr>
<td>MUT 1241 (1)</td>
</tr>
<tr>
<td>MUT 1242 (1)</td>
</tr>
</tbody>
</table>

**Music Literature (3)**

- MUT 2111 (3)*
  - *This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

**Music History (9)**

- MUH 3301 (3)*
- MUH 3302 (3)*
- MUH 4801 (3)
  - *Either 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)

**Elective Hours in Music (9)**

**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 3201 for a total of 3 credits as a part of the Music Electives and MUS 3001 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 MVK 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:

- MVK 4640 (4)
- MVK 4641 (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).

Jazz piano proficiency required.

COMPOSITION EMPHASIS

The following courses are required in addition to the core requirements:

- MUC 2221 (6)
- MUC 4204 (3)
- MUC 4203 (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 and concurrent registration in MUS 2010 (recital attendance).

Composition Courses (24)

- MUC 2301 (3)
- MUC 2221 (3)
- MUC 3231 (3.3)
  
- MUC 3401 (3)
- MUC 3402 (3)
- MUC 4421 (3)
  
- MUT 4311 (2)
- MUT 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 2010 (see the specific requirements for MUS 2010 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 to the 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 60 semester hours of acceptable credit, the student must meet the university’s entering freshmen 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 1005 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
MUT 1121, 1122, 2126, or 2127
MUT 1112 Music Theory
MUT 1121, 1122, 2126, or 2127
MUT 2116 Music Theory
MUT 1121, 1122, 2126, or 2127
MUT 2117 Music Theory
MUT 1121, 1122, 2126, or 2127
MUT 1241 Music Theory
MUT 1121, 1122, 2126, or 2127
MUT 1242 Music Theory
MUT 1121, 1122, 2126, or 2127
MUT 1241 Aural Theory
MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
MUT 1242 Aural Theory
MUT 1221, 1222, 2226, 2227, 1261,
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 (3)
- EDF 3604 Social Foundations of Education (3)
- EDF 4430 Basic Concepts of Educational Measurements (3)
- EXE 4070 Exceptional Students (2)
- MUE 4936 Senior Seminar (3)
- MUE 4940 Internship (9)
- * Students demonstrating 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 4311 (3) MUE 4330 (3) or MUE 4332 (3) MUE 4940 (9) MUE 4331 (3)
- MUE 4036 (1) MUE 4037 (1)
- MUE 4250 (1)* and/or (depending on professional focus) MUE 4251 (1)
- MUE 2460 (1)** and/or (depending on professional focus) MUE 2461 (1)
- * Not required of woodwind majors
- ** Not required of brass majors

Music courses (30+ hours)
- MUL 2111 (3) MUL 3104 (2) MUL 2061 (3)**
- MUL 3301 (3)** MUL 3302 (3)** MUL 1111 (3)
- MUL 1112 (3) MUL 1241 (1) MUL 1242 (1)
- MUL 2116 (3) MUL 2117 (3) MUL 2246 (1)
- MUL 2247 (1)
- * This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.
- ** This course also satisfies 3 hours of ALAMEA Perspectives in the Liberal Arts Curriculum.
- *** Either 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 and concurrent registration in MUS 2010.

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-voice majors.

Major performing ensembles (6 hours)

Minimum of one per semester of applied music
Graduating recital

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 3-hour 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: 11 hours
   - Music Theory (8)
   - Introduction to Music Literature (3)
   - 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)
      Music Ensemble (2)
   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 concurrent with applied music (principal) registration.
      Faculty jury recommendations for sophomore-level studio study (minimum) (4-8)
   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 the 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 and 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 Dean of the School of Music. Write to the School of Music for specific dates each year. In addition to 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 exclusive 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, design or theatre education. 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 (Brito) brings five or more professional artists from the UK to work with upper level students for 8-8 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 guests on campus. A representative list of artist from the last ten years includes Abel and Gordon, Peter Barkworth, Bill Bryden, Daniel Chumley, Russell Craig, Mathew Francis, George Flescher, Christopher Fry, John and Lisel Gale, Patrick Garland, Ronald Harwood, Jeff Jones, Rachel Kavanagh, Sam Mendes, Bob Mooy, Eric Overmyer, Louise Page, Estelle Parsons, Olga Petrovna, Roni Pinkovitch, Denis Quille, 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.

Students coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements:

THE 2000 Introduction to the Theatre or any introductory course from 001-035 at the 1 or 2 level
THE 2300 Script Analysis, 3 semester hours or THE 2305
TPA 1290 Production Involvement, 1 semester hour or THE X925, 1 semester hour
TPA 2200 Theatre Crafts: Stagecraft, 3 semester hours or TPA 2210, 3 semester hours
TPP 1190 Studio Theatre-Cast, 1 semester hour or TPP 2190, 1 semester hour
TPP 2100 Voice-Body-Improvisation, 3 semester hours or TTP 2210, 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, Theatre Arts, or Theatre Education. Common to all is the following core:

Core Curriculum (33 hours)
First Year (14 hours)

THE 2020 Introduction to Theatre (3)
TPP 2110 Voice-Body Improvisation (3)
TPA 2200 Intro to Technical Theatre I (3)
TPA 2290L Intro to Technical Theatre Lab I (1)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2211</td>
<td>Intro to Technical Theatre II</td>
<td>(3)</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Intro to Technical Theatre Lab II</td>
<td>(1)</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Intro to Technical Theatre Lab II (Continued)</td>
<td></td>
</tr>
<tr>
<td>THE 2305</td>
<td>Script Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>Choice of one</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 3110</td>
<td>Theatre History I - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 3120</td>
<td>Theatre History II - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>TPA 2252</td>
<td>Production Involvement I</td>
<td>(1)</td>
</tr>
<tr>
<td>TPP 2190</td>
<td>Studio Theatre Performance I</td>
<td>(1)</td>
</tr>
<tr>
<td>Third Year (8 hours)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice of one literature of the stage (LS):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 4330</td>
<td>Shakespeare for the Theatre -6A-XMXW-XLW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4360</td>
<td>19th Century Theatre Revolution -6A-XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4401</td>
<td>O'Neill and After -6A-XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4435</td>
<td>Theatre of Pluralism -6A-XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4442</td>
<td>Comedy of Classic &amp; Neoclassic Stage -6A-XLW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4480</td>
<td>Drama Special Topics</td>
<td>(3)</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice of one Theatre Historical Studies (TS):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 3110</td>
<td>Theatre History I - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 3120</td>
<td>Theatre History II - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4320</td>
<td>Theatre of Myth and Ritual -6A - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4180</td>
<td>Theatre Origins -6A - XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>THE 4434</td>
<td>Caribbean Theatre</td>
<td>(3)</td>
</tr>
<tr>
<td>Note: By prior agreement between the chair and instructor, the Honors sequence in its entirety (THE 4593, 4594, 4595) may substitute for &quot;Literature of the Stage (LS)&quot; or &quot;Theatre Historical Studies (TS)&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TPA 4293</td>
<td>Production Involvement II</td>
<td>(1)</td>
</tr>
<tr>
<td>TPP 4193</td>
<td>Studio Performance II</td>
<td>(1)</td>
</tr>
<tr>
<td>Fourth Year (3 hours)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice of either:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 4180</td>
<td>Theatre Origins -6A-XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 4562</td>
<td>Contemporary Performance Theory -6A-XMXW</td>
<td>(3)</td>
</tr>
<tr>
<td>Audition and Portfolio Review: All students desiring admittance 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REQUIRED COURSES FOR AREAS OF STUDY IN THEATRE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performance Area (BA Degree)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education:</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Language:</td>
<td>8-10</td>
<td></td>
</tr>
<tr>
<td>Exit Courses:</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Fine Arts (Non-Theatre):</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Theatre Core:</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td></td>
<td>92-94</td>
<td></td>
</tr>
<tr>
<td>TPP 3920</td>
<td>Acting Studio I</td>
<td>8</td>
</tr>
<tr>
<td>TPP 3921</td>
<td>Acting Studio II</td>
<td>8</td>
</tr>
<tr>
<td>Additional TPP Courses:</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Free Electives:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>26-28</td>
<td></td>
</tr>
<tr>
<td>Total Hours:</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Design Concentration (BA Degree)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education:</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Language:</td>
<td>8-10</td>
<td></td>
</tr>
<tr>
<td>Exit Courses:</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Fine Arts (Non-Theatre):</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Theatre Core:</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td></td>
<td>92-94</td>
<td></td>
</tr>
<tr>
<td>TPA 3007</td>
<td>Introduction to Design I</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3008</td>
<td>Introduction to Design II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3208</td>
<td>Drafting and CAD I</td>
<td>3</td>
</tr>
<tr>
<td>Plus TWO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TPA 3231</td>
<td>Costume Construction</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3221</td>
<td>Lighting Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3251</td>
<td>Drafting and CAD II</td>
<td>3</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 4266</td>
<td>Architecture and Decor</td>
<td>3</td>
</tr>
<tr>
<td>THE 4264</td>
<td>Costume History</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4011</td>
<td>Design Studio I</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4012</td>
<td>Design Studio II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 4013</td>
<td>Design Studio III</td>
<td>3</td>
</tr>
<tr>
<td>TPA 3296</td>
<td>Design Practicum</td>
<td>2</td>
</tr>
<tr>
<td>TPA 4298</td>
<td>Advanced Design Practicum</td>
<td>3</td>
</tr>
<tr>
<td>TPA Electives:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Advised Other Electives:</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Total Hours:</td>
<td>129</td>
<td></td>
</tr>
</tbody>
</table>

Requirements for B.F.A. Degree with Theatre Design Concentration

Note: 1) Language requirement not applicable for B.F.A. degree; 2) With careful selection of General Education and Exit Courses the BFA may be achieved in 120 hours. See Advisor.

General Education: 36
Language: Not Required
Exit Courses: 9
Fine Arts (Non-Theatre): 6
Theatre Core: 33

TPA 3007 | Introduction to Design I | 3 |
TPA 3008 | Introduction to Design II | 3 |
TPA 3208 | Drafting and CAD I | 3 |
Plus TWO | | |
TPA 3231 | Costume Construction | 3 |
TPA 3221 | Lighting Theory and Practice | 3 |
TPA 3251 | Drafting and CAD II | 3 |
AND | | |
THE 4266 | Architecture and Decor | 3 |
THE 4264 | Costume History | 3 |
TPA 4011 | Design Studio I | 3 |
TPA 4012 | Design Studio II | 3 |
TPA 4013 | Design Studio III | 3 |
TPA 3296 | Design Practicum | 2 |
TPA 4298 | Advanced Design Practicum | 3 |
TPA Electives: | 2 |
Advised Other Electives: | 8 |
| | 45 |
| Total Hours: | 129 |

Theatre Arts Concentration (BA Degree)

The Theatre Arts Concentration is intended for the student who in consultation with the Theatre Advisor wishes to construct his/her own degree program from a broad spectrum of 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; TPA; TPP Courses (9 must be at upper level) 18
Free Electives 5-7

Total Hours 26-28

Total Hours 120
Theatre Education Concentration (BA Degree)

Completion of the Theatre Education concentration certifies students to teach in Florida, grades K-12. In addition to Department of Theatre requirements, students must complete the College of Education’s lower level prerequisite courses and meet the upper level entrance requirements. Consult the College of Education portion of this catalog for more information.

PROFESSIONAL EDUCATION COURSES

EDF 1005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3
EDF 3214 Human Development & Learning 3
EDF 3804 Social Foundations - XMV or
EDF 3542 Philosophy of Education - XMV 4
EDG 4620 Curriculum and Instruction 3
EDG 4430 Measurement for Teachers 3
EX 4070 Integrating Exceptional Students in the Regular Classroom 2
THE 4940 Internship 10-12

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 of Education” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives. In addition, General Education courses must include one natural science course with a lab component.

General Education: 36
(Six hours must fulfill the special Fine Arts requirement)
Language: 8-10
Exit Courses: 9
(Must be fulfilled with the specialization and professional education courses)
Fine Arts (Non-Theatre) 6
(Fulfilled with General Education Courses)
Theatre Core: 33

(92-94) less 15 Hrs. = 77-79

Specialization Courses in Theatre

Choice of one:
TPP 3230 Laboratory Workshop in Theatre Performance 3
or
TPP 3155 Scene Study I 3
And
TPP 4310 Directing I 3
EDG 4320 Introduction to Creative Drama 3
THE 4761 Methods of Teaching Theatre to Adolescents 3
THE 4722 Theatre for Pre-Secondary Schools: Production 3
THE 4723 Theatre for Pre-Secondary Schools: Performance 3
Additional Theatre Course 2-4

Total Hours 129

Requirements for a Minor in Theatre

TPP 2020 Introduction to Theatre 3
TPP 2110 Voice and Body Improvisation 3
TPP 2190 Studio Theatre Performance I 1
TPA 2290 Production Involvement I 1
TPA 2200 Intro to Technical Theatre I 3
TPA 2200L Intro to Technical Theatre Lab I 1
TPA 2210 Intro to Technical Theatre I 3
TPA 2211 Intro to Technical Theatre II 3
TPA 2211L Intro to Technical Theatre Lab II 1

A minimum of 7 credits chosen from THE; TPP; TPA 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 scene study 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, and musical theatre.

FINE ARTS FACULTY

ART


DANCE


MUSIC


MUSIC EDUCATION

Director: C. P. Doane; Professor Emeritus: A. V. Bridges; Professors: C. P. Doane, J. J. Heller, J. W. Richmond; Associate Professors: J. L. S. Moore; Assistant Professor: D. A. Williams; Associate in Arts Administration: I. G. Wansley.
THEATRE

FINE ARTS COURSES

ART
ARH 2050 History Of Visual Arts I -HP FA (3)
ARH 2051 History Of Visual Arts II -HP FA (3)
ARH 3001 Introduction To Art -HP FA (4)
ARH 3454C Contemporary Issues in Art -HP FA MW (3)
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 Nineteenth Century Art (4)
ARH 4450 Twentieth Century Art (4)
ARH 4455 Modern Political Iconography -MW (4)
ARH 4520 African Art (4)
ARH 4547 Buddhist Art (4)
ARH 4554 Japanese Prints (4)
ARH 4557 Chinese Art (4)
ARH 4710 History of Photography -6A (4)
ARH 4721 Graphics Studio/History Of Media: Printmaking -6A (3)
ARH 4721C History of Printmaking -6A (3)
ARH 4790 Selected Topics In The History of Film (4)
ARH 4796 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 5795 Methods of Art History (4)
ART 4917 Gallery And Museum Internship (2-6)
ART 2201C Fabrications -FA (3)
ART 2203C Fabrications II -FA (3)
ART 2222 Beginning Electronic Media (3)
ART 2230C Beginning Drawing (3)
ART 2400C Beginning Printmaking (3)
ART 2510C Beginning Painting (3)
ART 2701C Beginning Sculpture (3)
ART 2930C Selected Topics In Art (2-4)
ART 3111C Intermediate Ceramics (3)
ART 3222C Intermediate Electronic Media (3)
ART 3302C Intermediate Drawing (3)
ART 3410C Intermediate Painting (3)
ART 3468C Digital Printmaking (4)
ART 3702C Intermediate Sculpture (3)
ART 3710C Multiples, Molds, and Bronze Casting (3)
ART 3710C Site, Installation, and Performance (3)
ART 3935C 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 Sculpture III (4)
ART 4806 Theme Studio (3)
ART 4900 Directed Reading (4)
ART 4905 Directed Study (1-4)
ART 4930 Selected Topics In Art (2-4)
ART 4955 Senior Projects (2-4)
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 5936C Studio Techniques: Selected Projects (2)
FIL 2001C 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 5205C Cinematography (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 (2)
ARE 4112 Education Through Crafts (3)
ARE 4313 Art For The Child And You (3)
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 2125 Modern Dance I (2)
DAA 2200 Fundamentals Of Ballet (2)
DAA 2205 Ballet I (2)
DAA 2250 Fundamentals Of Jazz Dance (2)
DAA 2250 Jazz Dance (2)
DAA 2250 Theatre Dance Styles (2)
DAA 2257 Jazz Theatre Dance (3)
DAA 3105 Modern Dance II (3)
DAA 3105 Modern Dance III (3)
DAA 3204 Ballet II (3)
DAA 3209 Ballet III (3)
DAA 3294 Ballet Variations (1)
DAA 3394 World Dance Topics (1)
DAA 3614 Choreography I (1)
DAA 3615 Choreography II (2)
DAA 3624 Dance Improvisation (2)
DAA 3654 Repertory (1)
DAA 3656 Performance (1)
DAA 3800 Movement Analysis (2)
DAA 4206 Ballet IV (4)
DAA 4617 Choreography IV (2)
DAA 4702 Choreography III (2)
DAA 4790 Senior Project (1)
DAA 4920 Dance Studies (1-4)
DAE 3531 Ethnic/Folk Dance (2)
DAE 4390 Dance Pedagogy: Theory And Practice (3)
DAE 4397 Special Studies Dance Education (3)
DAA 4936 Senior Seminar In Dance Education (2)
DAA 4940 Internship In Dance Education (1-12)
DAN 2100 Introduction To Dance -6A FA (3)
DAN 2100 Directed Study (2)
DAN 2160 Seminar (2)
DAN 2610 Music For Dance (2)
DAN 3402 Introduction To Laban Movement Analysis (3)
DAN 3584 Practicum In Dance Production (1-2)
DAN 4135 Dance History Though The 19th Century -6A XW (3)
DAN 4135 20th Century Dance -XMW (3)
DAN 4140 Dance Senior Seminar (2)
DAN 4784 Specialized Study In Movement Theory and Body Alignment (2)
DAN 4905 Directed Reading (2)
DAN 4905 Directed Study (1-5)
DAN 4930 Selected Topics In Dance (1-5)

FINE ARTS INTERDISCIPLINARY
IDS 3662 Arts Connections -FA (3)
IDS 3663 Critical Issues Affecting the Arts -MW (3)

MUSIC
MUC 2221 Composition (3)
MUC 2301 Introduction To Electronic Music (3)
MUC 2323 Composition (3)
MUC 3401 Electronic Music-Analog Synthesis I (3)
MUC 3402 Electronic Music-Analog Synthesis II (3)
MUC 3403 Electronic Music-Digital Synthesis I (3)
MUC 3404 Electronic Music-Digital Synthesis II (3)
MUC 3601 Contemporary Techniques Of Composition (3)
MUC 4241 Composition (3)
MUC 4403 Electronic Music-Real-Time Performance I (3)
MUC 4404 Electronic Music-Real-Time Performance II (3)
MUC 4501 Seminar In New Musical Systems (3)
MUC 4620 Jazz Composition (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUC 5625</td>
<td>Jazz Composition</td>
<td>(2)</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting</td>
<td>(2)</td>
</tr>
<tr>
<td>MUG 4302</td>
<td>Instrumental Conducting</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 2019</td>
<td>History Of Popular Music</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 2051</td>
<td>Folk And Traditional Music Of World Cultures -FA AF</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 3392</td>
<td>Music In The United States -FA</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 3016</td>
<td>Survey Of Jazz -FA</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 3300</td>
<td>Music History/Medieval And Renaissance</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 3301</td>
<td>Music History/Baroque And Classic -MWW</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 3302</td>
<td>Music History/Romantic And 20th Century -MWW</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 4058</td>
<td>Intercultural Music In The Twentieth Century -MWW</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 4901</td>
<td>History Of Jazz</td>
<td>(3)</td>
</tr>
<tr>
<td>MUL 2011</td>
<td>The Enjoyment Of Music -FA</td>
<td>(3)</td>
</tr>
<tr>
<td>MUL 2111</td>
<td>Introduction To Music Literature -6A HP FA</td>
<td>(3)</td>
</tr>
<tr>
<td>MUL 3001</td>
<td>Issues In Music -FA AF</td>
<td>(2-3)</td>
</tr>
<tr>
<td>MUL 3012</td>
<td>Music In Your Life -FA</td>
<td>(3)</td>
</tr>
<tr>
<td>MUN 1110</td>
<td>University Marching Band</td>
<td>(1-3)</td>
</tr>
<tr>
<td>MUN 3143</td>
<td>Wind Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3213</td>
<td>University Orchestra</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3313</td>
<td>University Singers</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3343</td>
<td>Chamber Singers</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3333</td>
<td>University-Community Chorus</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3411</td>
<td>String Quartet</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3420</td>
<td>Saxophone Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3421</td>
<td>Flute Choir</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3424</td>
<td>Woodwind Quintet</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3431</td>
<td>Brass Quintet</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3432</td>
<td>Horn Quartet</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3433</td>
<td>Brass Choir</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3443</td>
<td>Percussion Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3444</td>
<td>Marimba Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3453</td>
<td>Piano Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3473</td>
<td>Collegium Music</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3483</td>
<td>Classical Guitar Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3713</td>
<td>Jazz Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUN 3714</td>
<td>Jazz Chamber Ensemble</td>
<td>(1)</td>
</tr>
<tr>
<td>MUO 3503</td>
<td>Opera Workshop</td>
<td>(1)</td>
</tr>
<tr>
<td>MUS 2010</td>
<td>Recital Attendance</td>
<td>(0)</td>
</tr>
<tr>
<td>MUS 2201</td>
<td>Language Diction For Singers</td>
<td>(1)</td>
</tr>
<tr>
<td>MUS 4900</td>
<td>Directed Reading</td>
<td>(1-3)</td>
</tr>
<tr>
<td>MUS 4905</td>
<td>Directed Study</td>
<td>(4-5)</td>
</tr>
<tr>
<td>MUS 4930</td>
<td>Selected Topics In Music</td>
<td>(1-4)</td>
</tr>
<tr>
<td>MUS 4931</td>
<td>Selected Studio Topics In Music</td>
<td>(1-4)</td>
</tr>
<tr>
<td>MUS 4935</td>
<td>Music Senior Seminar</td>
<td>(1-4)</td>
</tr>
<tr>
<td>MUS 5001</td>
<td>Rudiments Of Music</td>
<td>(2)</td>
</tr>
<tr>
<td>MUT 1111</td>
<td>Music Theory I</td>
<td>(3)</td>
</tr>
<tr>
<td>MUT 1112</td>
<td>Music Theory II</td>
<td>(3)</td>
</tr>
<tr>
<td>MUT 1242</td>
<td>Aural Theory I</td>
<td>(1)</td>
</tr>
<tr>
<td>MUT 2126</td>
<td>Music Theory I</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 2247</td>
<td>Advanced Aural Theory I</td>
<td>(1)</td>
</tr>
<tr>
<td>MUB 2641</td>
<td>Jazz Theory And Improvisation I</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 2642</td>
<td>Jazz Theory And Improvisation II</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 3353</td>
<td>Jazz Composition and Arranging I</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 3354</td>
<td>Jazz Composition and Arranging II</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 3663</td>
<td>Advanced Jazz Improvisation I</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 3664</td>
<td>Advanced Jazz Improvisation II</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 4311</td>
<td>Orchestration I</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 4312</td>
<td>Orchestration II</td>
<td>(2)</td>
</tr>
<tr>
<td>MUB 4411</td>
<td>Sixteenth Century Practice</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 4421</td>
<td>Eighteenth Century Practice</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 4571</td>
<td>Twentieth Century Practice</td>
<td>(3)</td>
</tr>
<tr>
<td>MUB 5051</td>
<td>Graduate Review Of Music Theory</td>
<td>(2)</td>
</tr>
<tr>
<td>MVB 1211</td>
<td>Applied Trumpet</td>
<td>(1)</td>
</tr>
<tr>
<td>MVB 1212</td>
<td>Applied French Horn</td>
<td>(1)</td>
</tr>
<tr>
<td>MVB 1214</td>
<td>Applied Euphonium</td>
<td>(1)</td>
</tr>
<tr>
<td>MVB 1215</td>
<td>Applied Tuba</td>
<td>(1)</td>
</tr>
<tr>
<td>MVB 1311</td>
<td>Trumpet Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVB 1313</td>
<td>Trombone Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVB 1314</td>
<td>Euphonium Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVB 1315</td>
<td>Tuba Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVB 1412</td>
<td>French Horn Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVB 1413</td>
<td>Trumpet Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVB 1414</td>
<td>Euphonium Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVB 1415</td>
<td>Tuba Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVB 2321</td>
<td>Trumpet Principal</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVK 1821</td>
<td>Beginning Piano II</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2111</td>
<td>Keyboard Skills III</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2121</td>
<td>Keyboard Skills IV</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2321</td>
<td>Piano Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2323</td>
<td>Organ Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2421</td>
<td>Piano Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVK 2423</td>
<td>Organ Major</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 2821</td>
<td>Intermediate Piano</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 3111</td>
<td>Music Majors, Level V</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 3131</td>
<td>Piano Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 3333</td>
<td>Organ Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVK 3431</td>
<td>Piano Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVK 3433</td>
<td>Organ Major</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 4341</td>
<td>Piano Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 4343</td>
<td>Organ Major</td>
<td>(2)</td>
</tr>
<tr>
<td>MVK 4640</td>
<td>Piano Pedagogy I</td>
<td>(4)</td>
</tr>
<tr>
<td>MVK 4641</td>
<td>Piano Pedagogy II</td>
<td>(4)</td>
</tr>
<tr>
<td>MVS 1211</td>
<td>Applied Violin</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1212</td>
<td>Applied Viola</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1213</td>
<td>Applied Violoncello</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1214</td>
<td>Applied Double Bass</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1215</td>
<td>Applied Harp</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1216</td>
<td>Applied Classical Guitar</td>
<td>(1)</td>
</tr>
<tr>
<td>MVS 1311</td>
<td>Viola Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1312</td>
<td>Violin Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1313</td>
<td>Violoncello Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1314</td>
<td>Double Bass Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1315</td>
<td>Harp Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1316</td>
<td>Classical Guitar Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 1411</td>
<td>Violin Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 1412</td>
<td>Viola Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 1413</td>
<td>Cello Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 1414</td>
<td>Double Bass Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 1415</td>
<td>Harp Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 1416</td>
<td>Classical Guitar Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2321</td>
<td>Violin Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2322</td>
<td>Viola Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2323</td>
<td>Violoncello Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2324</td>
<td>Double Bass Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2325</td>
<td>Harp Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2326</td>
<td>Classical Guitar Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 2421</td>
<td>Violin Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2422</td>
<td>Viola Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2423</td>
<td>Cello Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2424</td>
<td>Double Bass Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2425</td>
<td>Harp Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 2426</td>
<td>Classical Guitar Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3331</td>
<td>Violin Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3332</td>
<td>Viola Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3333</td>
<td>Violoncello Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3334</td>
<td>Double Bass Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3335</td>
<td>Harp Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3336</td>
<td>Classical Guitar Principal</td>
<td>(2)</td>
</tr>
<tr>
<td>MVS 3431</td>
<td>Violin Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3432</td>
<td>Viola Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3433</td>
<td>Cello Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3434</td>
<td>Double Bass Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3435</td>
<td>Harp Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 3436</td>
<td>Classical Guitar Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4341</td>
<td>Violin Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4342</td>
<td>Viola Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4343</td>
<td>Violoncello Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4344</td>
<td>Double Bass Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4345</td>
<td>Harp Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4346</td>
<td>Classical Guitar Principal</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4441</td>
<td>Violin Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4442</td>
<td>Viola Major</td>
<td>(3)</td>
</tr>
<tr>
<td>MVS 4443</td>
<td>Cello Major</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**MUSICEducation**

- **MJE 2090 Theoretical Bases Of Music Education** (3)
- **MJE 2451 Beginning Woodwind Techniques** (3)
- **MJE 2460 Beginning Brass Techniques** (2)
- **MJE 3421 Choral Materials Practicum** (1)
- **MJE 3422 Band Materials Practicum** (1)
- **MJE 3433 Orchestra Materials Practicum** (1)
- **MJE 3451 Advanced Woodwind Techniques** (1)
- **MJE 3461 Advanced Brass Techniques** (1)
- **MJE 4210 Music For The Child** (3)
- **MJE 4311 Music In The Elementary School** (3)
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 3120 Theatre History II -MW (3)
THE 4180 Theatre Origins -6A MW LW (3)
The 4264 History Of Costume (3)
The 4266 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 -5A MW LW (3)
The 4435 Theatre Of Pluralism -6A MW LW (3)
The 4442 The 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 4583 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 2210 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 Theatre Production and Administration (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 3285 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 4272 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 4298 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)

THEATREEDUCATION

EDG 4320 Introduction to Creative Drama (3)
THE 4722 Theatre for Pre-Secondary Schools: The Production Process (3)
THE 4723 Theatre For Pre-Secondary Schools: The Performance Process (3)
THE 4761 Methods of Teaching Theatre for Adolescents (3)
NEW COLLEGE OF USF

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-four 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 numbered 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, 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.

The New College Admissions Office processes applications on a rolling basis, with decisions beginning about January 15. 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 off-campus housing. A medical plan gives students access to a physician.
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 environmental 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, 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 enrollment are determined on the basis of availability of sufficient qualified faculty, laboratory and classroom facilities, and clinical teaching resources.

There are two sequences in 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. Maintain a minimum grade point average of 2.5.
5. Complete, prior to enrollment, all those 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.”)
6. Complete all courses required for admission with no more than two (2) repeated courses and no more than one (1) repeat of any given course.
7. Complete the College Level Academic Skills Test (CLAST) or equivalent and the writing and computer course requirement of 6A-10.30 (Gordon Rule).
8. Complete an approved cardiopulmonary resuscitation (BCLS) course prior to enrollment.
9. Provide evidence of health insurance prior to enrollment.
10. Complete prior to enrollment the College of Nursing health form.
11. 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 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 office is 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. Peters Campus: Bayborro Hall (BAY), Room 119.
- Sarasota Campus: Sarasota Memorial Hospital, 1950 Arlington St., Suite 323, (941) 917-1296.
- Lakeland Campus: Student Services Office (LLC), Room 210, (800) USF-5536 (in state only), (863) 667-7000

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 A.A. degree at the community college. If a student wishes to transfer 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. Students who do not complete these prerequisites are eligible to enroll in the University, but not 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 with a cumulative grade-point average of 2.5. 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:

English 6
Math - Gordon Rule course 6
Algebra or Finite Math (preferred) (3)
Statistics (3)
Fine Arts 3
Natural Science 17-19
Chemistry (4)
Nutrition (3)
Microbiology (4)
Anatomy/Physiology (6-8)
Social Sciences 9
Life Cycle (3)
Psychology (3)
Sociology (3)
Historical Perspectives 6
African, Latin American, Middle Eastern, Asian Perspectives 3

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 college or liberal arts college 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.
2. Mathematics - one Gordon Rule course must be completed.
3. Algebra or Finite Math preferred. CLEP subject exams are acceptable.
4. Statistics - one course in statistics must be completed with a grade of “C” or better. STA 2122 or any STA course.
5. Natural Sciences: minimum of 16 semester credits (including anatomy, physiology, and microbiology). Each course (in “a” through “d” below) is subject to the following requirements: a) a cumulative grade-point average of 2.5. 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: English 6
Math - Gordon Rule course 6
Algebra or Finite Math (preferred) (3)
Statistics (3)
Fine Arts 3
Natural Science 17-19
Chemistry (4)
Nutrition (3)
Microbiology (4)
Anatomy/Physiology (6-8)
Social Sciences 9
Life Cycle (3)
Psychology (3)
Sociology (3)
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. Psychology and Sociology - one introductory course in each area. CLEP is acceptable. Must be 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 GY 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 once a year in the Fall semester. The deadline for application to the College is January 5th of the year in which the student plans to enroll. 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)
NUR 3113 Culture of Nursing
NUR 3114 Introduction to Clinical Judgement
NUR 3114L Introduction to Clinical Practice
NUR 3064C Health Assessment Across the Life Span
NUR 3829 Ethical & Legal Aspects in Nursing & Health Care
NUR 3145 Pharmacology in Nursing Practice
NUR 3215 Adult Health I
NUR 3215L Clinical Practice in Adult Health II
NUR 3284C Gerontological Nursing

SENIOR YEAR (3 SEMESTERS)
NUR 4216 Adult Health II
NUR 4216L Clinical Practice in Adult Health II
NUR 4165 Nursing Inquiry
NUR 4041 Culture in Nursing Practice
NUR 4616 Family Health
NUR 4616L Clinical Practice in Family Health
NUR 4636 Community Health
NUR 4636L Clinical Practice in Community Health
NUR 4765C Rehabilitation Across the Life Span
NUR 4838 Leadership/Management
NUR 4525 Psychiatric/Mental Health
NUR 4525L Clinical Practice in Psychiatric/Mental Health
NUR 4766 Critical Care
NUR 4948L Preceptorship

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 (974-9350) or visit the College of Nursing website 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.

NUR 3064C Health Assessment
NUR 3113 Culture of Nursing
NUR 3114 Introduction to Clinical Judgement
NUR 3145 Pharmacology
NUR 3829 Ethical/Legal Aspects in Nursing & Health Care
NUR 4041 Culture in Nursing Practice
NUR 4636 Community Health
NUR 4636L Clinical Practice in Community Health
NUR 4165 Nursing Inquiry
NUR 4765C Rehabilitation Across the Life Span
NUR 4766 Critical Care
NUR 4838 Leadership/Management
NUR 4948L Preceptorship

In addition to the requirements listed, a minimum of 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:

NUR 3113 Culture of Nursing
NUR 3114 Introduction to Clinical Judgement
NUR 3064C Health Assessment Across the Life Span
NUR 4766 Critical Care
NUR 4765C Rehabilitation Across the Life Span
NUR 3145 Pharmacology in Nursing Practice
NUR 3829 Ethical/Legal Aspects in Nursing and Health Care
NUR 4041  Culture in Nursing Practice
NUR 4165  Nursing Inquiry
NUR 4XXX  Electives

The following courses are restricted to fully admitted students: NUR 4636, NUR 4636L, NUR 4838, and NUR 4948L. To take these courses, students must have completed the support/prerequisite courses.

Undergraduate Program Objectives
UPON 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: College of Nursing/Nutrition Challenge Examinations: a total of 3 semester credits can be earned by any undergraduate student to meet the course requirement in nutrition. Information about the College examination in nutrition may be obtained by contacting the College of Nursing Office of Student Affairs, University of South Florida.
Registered nurses who are graduates of diploma programs may receive up to 26 semester general elective lower level credits through successful completion of the 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 Regents 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 lower level credits for their previous nursing education. A statewide AS to BS articulation agreement is under consideration. Registered nurse students should contact the Office of Student Affairs for advisement 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 Regents examination in microbiology. Regents examination information maybe 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 a 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 (813-974-9305).

Nursing Faculty

Nursing Courses
HUN 2201 Nutrition (3)
NUR 2935 Selected Topics In Nursing (3)
NUR 3064C Health Assessment Across The Life Span (3)
NUR 3113 Culture of Nursing (2)
NUR 3113L Introduction to Critical Judgment (2)
NUR 3114L Introduction to Critical Practice (2)
NUR 3145 Pharmacology in Nursing Practice (2)
NUR 3215 Adult Health I (3)
NUR 3215L Clinical Practice in Adult Health I (3)
NUR 3284C Gerontological Nursing (2)
NUR 3829 Ethical Legal Issues in Nursing and Health Care -MW (3)
NUR 4040 Transcultural Nursing (3)
NUR 4041 Culture In Nursing Practice (2)
NUR 4165 Nursing Inquiry (2)
NUR 4194 An Interdisciplinary Perspective in HIV Disease -L,W (3)
NUR 4216 Adult Health II (3)
NUR 4216L Clinical Practice In Adult Health II (3)
NUR 4245 Wellness: Health Promotion and Maintenance in Nursing (2)
NUR 4395C Specialized Techniques In Child Health Assessment (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4525</td>
<td>Psychiatric/Mental Health</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4525L</td>
<td>Clinical Practice In Psychiatric/Mental Health</td>
<td>(1)</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 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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NUR 4645</td>
<td>Substance Abuse Across the Lifespan</td>
<td>(2)</td>
</tr>
<tr>
<td>NUR 4785C</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 4836</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 4938</td>
<td>Honors Seminar</td>
<td>(4)</td>
</tr>
<tr>
<td>NUR 4948L</td>
<td>Preceptorship</td>
<td>(3)</td>
</tr>
<tr>
<td>NUR 4975</td>
<td>Honors Thesis</td>
<td>(2)</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 gives 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 six-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 1.5 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 $150 per month tax-free stipend. Non-scholarship students in the final two years of the program are eligible for the Professional Officer Course Incentive (POCI) and the monthly $150 tax-free stipend. Qualified POCI students receive up to $3,450 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 Kathy Winters, Capt Stacie Neff, Capt Walter Rice.

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 3220 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/aratc/arotc.htm

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 as well as 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 is offered to both men and women students and provides uniform and textbooks. Scholarships are awarded on a competitive basis in all academic majors. The scholarship pays for tuition, books, lab fees, and certain other academic expenses. All Advanced Course and scholarship students receive $150.00 per month for subsistence. This is in addition to the pay of approximately $700.00 while attending the five-week field training course at the Summer Advanced Camp.

Additional skills training at the Airborne School, Air Assault School, and the Northern Warfare School is 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. Students incur no military commitment by participating in the Basic Course.
Advanced Course: The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Reserve, National Guard, or Active Army. The training consists of four semesters of classroom instruction of three hours each week, lab, field training exercises, and a five-week training phase at summer Advanced Camp.

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, law, 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, successfully complete the Professional Military Education Courses (written communication skills, computer literacy, and military history), attend Advanced Camp, maintain and graduate with a minimum of 2.0 GPA, pass the Army Physical Readiness Test and meet the height and weight, and other requirements of the United States Army.

Military Science Faculty
Professor: LTC Gloria A. Atkinson; Assistant Professors: MAJ Al Carrocetto, CPT Robert Hardbarger, CPT John Wright, SFC Nicholas Davis

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 (1)
MIS 1400C Fundamentals of Leadership Development (1)
MIS 2601 Military Training Management And Instructional Techniques (1)
MIS 2610 Leadership Assessment (1)
MIS 2610L Leadership Laboratory (0)
MIS 3302 Small Unit Operations (3)
MIS 3404 Leadership Fundamentals Tactics And Camp Preparation (3)
MIS 4410 Army as a Profession (2)
MIS 4421 Seminar In Military Leadership & Management (3)
MIS 4930 Advanced Directed Study And Research (1-3)

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/leandt/evaltest.htm

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).

University Honors Program
Tampa and St. Petersburg Campuses

Tampa Campus Location/Phone: FAO 274; (813) 974-3087
St. Petersburg Campus Location/Phone: COQ 210; (727) 553-3123
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.usf.edu/~honors

Students in the Four Year Program take nine Honors courses that examine the nature of human knowledge, ethics, interdisciplinary approaches to the sciences, social sciences, arts, 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 and Math requirements through Advanced Placement, IB, or CLEP (See “Academic Programs and Services” section). University Honors Program-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 increase academic work-load or the number of credits needed to graduate.

Potential University Honors Program-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 Program-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 Program 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 increase academic work-load or the number of credits needed to graduate.

Potential University Honors Program-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 Programs are available in some disciplines. Requirements vary according to discipline, 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 Program Graduates at Commencement as well as on their diplomas and transcripts.

Honors Program Faculty
Director: Stuart Silverman (Instructors for the Honors courses are recruited from among the University’s outstanding teacher-scholars).

Honors Program Courses
IDS 3949 Cooperative Education (0)
IDH 2009 Discovery: People, Processes and Problems (3)
IDH 2010 Acquisition Of Knowledge (3)
IDH 3100 Arts/Humanities Honors (3)
IDH 3350 Natural Sciences Honors (3)
IDH 3420 Social and Behavioral Sciences Honors (3)
IDH 3600 Seminar In Applied Ethics (3)
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.

Courses and Programs Outside Undergraduate Colleges

Architecture and Community Design

The School of Architecture & Community Design (SACD), a professional graduate school affiliated to the Office of Graduate Studies, offers pre-professional study opportunities in architecture and community design topics which may be taken as electives within the liberal education study plans for a wide range of baccalaureate degree fields. These offerings are available both to USF students and those attending other regional institutions who are interested in preparing for various advanced degrees and careers in the urban development industry.

SACD encourages upper level student enrollment in eleven (11) current graduate level courses as electives within their individual majors and distribution opportunities as well as continuing to offer “ARC 4784 The City”, an approved Exit Course. Topics covered in this listing include most of the required and elective coursework associated with the first three semesters of graduate studies for the Master of Architecture degree. They 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 SACD’s admission standards.

The use of these courses as electives for undergraduate students represents the first step in the planned expansion of SACD’s cooperative pre-professional and liberal education partnerships with undergraduate degree granting units at USF and other regional colleges. A coordinated pre-professional curriculum option within the Liberal Studies Major and ALA Degree Program offered by the College of Arts and Sciences will begin accepting students in 2000-01. The Liberal Studies pre-professional major will provide choices of accelerated study tracks toward the pre-requisites and graduate credit requirements of various advanced degree fields and related preparation for careers in design, planning, research, and management of urban built environments.

For more specific information on the opportunities available through the Liberal Studies Major and ALA Degree — as well as current semester class offerings, schedules, and registration procedures for SACD courses — students and faculty advisers should first examine SACD website resources, following up as needed with staff/faculty contacts by telephone and/or e-mail.

Website: www.arch.usf.edu
Telephone: 813-974-4031
E.mail: information@arch.usf.edu

Architectural Design

ARC 4784 The City -IA MW (3)
ARC 5175 Computer Technology (3)
ARC 5216 The Building Arts (3)
ARC 5256 Design Methods (3)
ARC 5361 Architectural Design I (6)
ARC 5362 Architectural Design II (6)
ARC 5470 Materials and Methods of Construction (4)
ARC 5470 Introduction to Technology (3)
ARC 5587 Structures I (3)
ARC 5588 Structures II (3)
ARC 5589 Environmental Technology (4)
ARC 5731 Architectural History I (3)
ARC 5732 Architectural History II (3)
ARC 5789 Modern Architecture History (3)
ARC 5793 History Abroad (3)
ARC 5920 Architectural Design Studio Abroad (5)
ARC 5931 Special Studies in Architecture (1-5)

Cooperative Education

IDS 3949 Cooperative Education (0)

Medicine

BMS 4402 Principles Of Human Pharmacology -NS (3)
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.

To meet 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 major in a broad range of Bachelor’s 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 completing a Master’s degree in public health prior to application or admission to medical schools or as an alternative to clinical degrees.

The graduate 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. Inter-disciplinary areas include the mapping and control of infectious and chronic diseases, environmental factors that affect 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 request the College of Public Health Catalog and Career Guide in order to 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, and the College embraces the use of not only traditional classroom methods but distance learning via satellite, internet, television, executive and 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 offers undergraduate HSC 2933 ‘Selected Topics in Public Health.’ The Selected Topic course “Sex, Health, and Decision Making” is offered each semester. This course provides the student with an overview of the issues involving sexual behavior, decision-making processes and health outcomes. 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” explores water quality, supply and the management and regulation of options, “Stress, Health and College Life” addresses the relationship between stress, as a multi-causal concept, health, and disease, and the recognition and prevention of an unhealthy level of stress.

Departments within the College include Community and Family Health, Epidemiology and Biostatistics, Environmental and Occupational Health, and Health Policy and Management.

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 Academics at the College of Public Health for a career guide and college catalog, 974-6685 or refer to the College Website www.hsc.usf.edu/publichealth.

Public Health Advising

Potential applicants should prepare at the undergraduate level for careers in public health. Except for the Accelerated Health Education program option, 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 (CPH) is located on Bruce B. Downs Blvd. and Fletcher Ave. in the Northwest corner of the USF campus. The Advising office is CPH Rm 1011.

Call toll free 1-888-USF-COPH or locally (813) 974-6665 for a College Catalog, Career Guide and an upcoming Schedule of Classes. Students who have completed the Bachelor’s may register for up to 12 hours as non-degree students while in the process of applying to the College.

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: http://www.hsc.usf.edu/publichealth

Public and Community Health Education Courses

HAS 4120 Introduction to Public Health (3)

HSC 2100 Contemporary Health Science -SS (3)

HSC 4541 Human Structure and Function (3)

HSC 4554 Survey of Human Diseases (3)

HSC 5319 Problems of School Age Population (1-6)

HSC 4933 Special Topics in Public Health (3)
GENERAL COURSE INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 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
HUM 4905 DIRECTED RESEARCH
MAT 7912 DIRECTED RESEARCH

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
XLMW 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 ruled 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
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 and Engineering  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 Systems  Engineering
Industrial/Technical Education  Education
Information Systems & Decision Sciences  Business Administration
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  Education
Military Science (Army ROTC)  University-wide Courses
Music  Fine Arts
Music Education  Fine Arts
Nursing  Nursing
Philosophy  Arts and Sciences
<table>
<thead>
<tr>
<th>Listing of Departments and Programs Alphabetic by College, Department/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>College/Department/Program</td>
</tr>
<tr>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>AFR</td>
</tr>
<tr>
<td>Architecture</td>
</tr>
<tr>
<td>Cooperative Education</td>
</tr>
<tr>
<td>Honors Program</td>
</tr>
<tr>
<td>Military Science (Army ROTC)</td>
</tr>
<tr>
<td>Public Health</td>
</tr>
<tr>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>AFA, AFH, AFS, AMH, AML, AMS, ANT, CPO, HUM, INR, ISS, PHI, PHM, PUP, SPC</td>
</tr>
<tr>
<td>American Studies</td>
</tr>
<tr>
<td>Anthropology</td>
</tr>
<tr>
<td>Astronomy</td>
</tr>
<tr>
<td>Bachelor of Independent Studies</td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>Chemistry</td>
</tr>
<tr>
<td>Classics</td>
</tr>
<tr>
<td>Greek</td>
</tr>
<tr>
<td>Latin</td>
</tr>
<tr>
<td>Communication Sciences &amp; Disorders</td>
</tr>
<tr>
<td>Community Experiential Learning Program</td>
</tr>
<tr>
<td>Criminology</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>Environmental Science &amp; Policy</td>
</tr>
<tr>
<td>Geography</td>
</tr>
<tr>
<td>Geology</td>
</tr>
<tr>
<td>Gerontology</td>
</tr>
<tr>
<td>Government &amp; International Affairs</td>
</tr>
<tr>
<td>International Studies</td>
</tr>
<tr>
<td>Political Science</td>
</tr>
<tr>
<td>Public Administration</td>
</tr>
<tr>
<td>History</td>
</tr>
<tr>
<td>Humanities</td>
</tr>
<tr>
<td>Interdisciplinary Social Sciences</td>
</tr>
<tr>
<td>Language</td>
</tr>
<tr>
<td>Arabic</td>
</tr>
<tr>
<td>Chinese</td>
</tr>
<tr>
<td>French</td>
</tr>
<tr>
<td>German</td>
</tr>
<tr>
<td>Greek</td>
</tr>
<tr>
<td>Hebrew</td>
</tr>
<tr>
<td>Italian</td>
</tr>
<tr>
<td>Japanese</td>
</tr>
<tr>
<td>Polish</td>
</tr>
<tr>
<td>Portuguese</td>
</tr>
<tr>
<td>Russian</td>
</tr>
<tr>
<td>Spanish</td>
</tr>
<tr>
<td>Yoruba</td>
</tr>
<tr>
<td>Liberal Studies</td>
</tr>
<tr>
<td>Library &amp; Information Science</td>
</tr>
<tr>
<td>Linguistics</td>
</tr>
<tr>
<td>Mass Communications</td>
</tr>
<tr>
<td>Marine Science</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Microbiology</td>
</tr>
<tr>
<td>Philosophy</td>
</tr>
<tr>
<td>Physics</td>
</tr>
<tr>
<td>Psychology</td>
</tr>
<tr>
<td>Rehabilitation Counseling</td>
</tr>
<tr>
<td>Religious Studies</td>
</tr>
<tr>
<td>Science Education</td>
</tr>
<tr>
<td>Social Science Education</td>
</tr>
<tr>
<td>Social Work</td>
</tr>
<tr>
<td>Sociology</td>
</tr>
<tr>
<td>Women's Studies</td>
</tr>
<tr>
<td>College of Business Administration</td>
</tr>
<tr>
<td>ACG, TAX</td>
</tr>
<tr>
<td>Common Body of Knowledge</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
<td>General Business Administration</td>
</tr>
<tr>
<td>Information Systems &amp; Decision Sciences</td>
</tr>
<tr>
<td>Management</td>
</tr>
<tr>
<td>Marketing</td>
</tr>
<tr>
<td>College of Education</td>
</tr>
<tr>
<td>ADE, BTE, DEC, EIA, EVI, EVT, OST</td>
</tr>
<tr>
<td>Business and Office Education</td>
</tr>
<tr>
<td>Computers in Education</td>
</tr>
<tr>
<td>Content Specializations</td>
</tr>
<tr>
<td>Elementary Education</td>
</tr>
<tr>
<td>English Education</td>
</tr>
<tr>
<td>Foreign Language Education</td>
</tr>
<tr>
<td>Higher Education</td>
</tr>
<tr>
<td>Humanities Education</td>
</tr>
<tr>
<td>----------------------</td>
</tr>
<tr>
<td>Industrial/Technical Education</td>
</tr>
<tr>
<td>Measurement-Research</td>
</tr>
<tr>
<td>Physical Education - Elective</td>
</tr>
<tr>
<td>Physical Education - Professional</td>
</tr>
<tr>
<td>Psychological &amp; Social Foundations of Education</td>
</tr>
<tr>
<td>Reading Education</td>
</tr>
<tr>
<td>Science Education</td>
</tr>
<tr>
<td>Social Science Education</td>
</tr>
<tr>
<td>Special Education</td>
</tr>
<tr>
<td>College of Engineering</td>
</tr>
<tr>
<td>Basic and Interdisciplinary Engineering</td>
</tr>
<tr>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>Computer Science &amp; Engineering</td>
</tr>
<tr>
<td>Computer Service Courses</td>
</tr>
<tr>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>Industrial and Management Systems</td>
</tr>
<tr>
<td>College of Fine Arts</td>
</tr>
<tr>
<td>Art</td>
</tr>
<tr>
<td>Art Education</td>
</tr>
<tr>
<td>Dance</td>
</tr>
<tr>
<td>Fine Arts Interdisciplinary</td>
</tr>
<tr>
<td>Music</td>
</tr>
<tr>
<td>Music Education</td>
</tr>
<tr>
<td>Theatre</td>
</tr>
<tr>
<td>College of Nursing</td>
</tr>
<tr>
<td>Nursing</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Course Code</td>
</tr>
<tr>
<td>-------------</td>
</tr>
<tr>
<td>EVT</td>
</tr>
<tr>
<td>EXP</td>
</tr>
<tr>
<td>FIL</td>
</tr>
<tr>
<td>FIN</td>
</tr>
<tr>
<td>FLE</td>
</tr>
<tr>
<td>FOL</td>
</tr>
<tr>
<td>FRE</td>
</tr>
<tr>
<td>FRW</td>
</tr>
<tr>
<td>GEA</td>
</tr>
<tr>
<td>GEB</td>
</tr>
<tr>
<td>GEO</td>
</tr>
<tr>
<td>GER</td>
</tr>
<tr>
<td>GET</td>
</tr>
<tr>
<td>GEW</td>
</tr>
<tr>
<td>GEY</td>
</tr>
<tr>
<td>GLY</td>
</tr>
<tr>
<td>GMS</td>
</tr>
<tr>
<td>GRE</td>
</tr>
<tr>
<td>GRK</td>
</tr>
<tr>
<td>GRW</td>
</tr>
<tr>
<td>HBR</td>
</tr>
<tr>
<td>HEB</td>
</tr>
<tr>
<td>HIS</td>
</tr>
<tr>
<td>HLP</td>
</tr>
<tr>
<td>HSC</td>
</tr>
<tr>
<td>HUM</td>
</tr>
<tr>
<td>HUN</td>
</tr>
<tr>
<td>HUS</td>
</tr>
<tr>
<td>IDH</td>
</tr>
<tr>
<td>IDS</td>
</tr>
<tr>
<td>INP</td>
</tr>
<tr>
<td>INR</td>
</tr>
<tr>
<td>ISC</td>
</tr>
<tr>
<td>ISM</td>
</tr>
<tr>
<td>ISS</td>
</tr>
<tr>
<td>ITA</td>
</tr>
<tr>
<td>ITW</td>
</tr>
<tr>
<td>JOU</td>
</tr>
<tr>
<td>JPN</td>
</tr>
<tr>
<td>LAE</td>
</tr>
<tr>
<td>LAH</td>
</tr>
<tr>
<td>LAS</td>
</tr>
<tr>
<td>LAT</td>
</tr>
<tr>
<td>LIS</td>
</tr>
<tr>
<td>LIT</td>
</tr>
<tr>
<td>LNW</td>
</tr>
<tr>
<td>MAA</td>
</tr>
<tr>
<td>MAC</td>
</tr>
<tr>
<td>MAD</td>
</tr>
<tr>
<td>MAE</td>
</tr>
<tr>
<td>MAN</td>
</tr>
<tr>
<td>MAP</td>
</tr>
<tr>
<td>MAR</td>
</tr>
<tr>
<td>MAS</td>
</tr>
<tr>
<td>MAT</td>
</tr>
<tr>
<td>MCB</td>
</tr>
<tr>
<td>MET</td>
</tr>
<tr>
<td>MGF</td>
</tr>
<tr>
<td>MHF</td>
</tr>
<tr>
<td>MHS</td>
</tr>
<tr>
<td>MIS</td>
</tr>
<tr>
<td>MLS</td>
</tr>
<tr>
<td>MMC</td>
</tr>
<tr>
<td>MTG</td>
</tr>
<tr>
<td>MUC</td>
</tr>
<tr>
<td>MUE</td>
</tr>
<tr>
<td>MUG</td>
</tr>
<tr>
<td>MUM</td>
</tr>
<tr>
<td>MUL</td>
</tr>
<tr>
<td>MUN</td>
</tr>
<tr>
<td>MUO</td>
</tr>
<tr>
<td>MUS</td>
</tr>
<tr>
<td>MUT</td>
</tr>
<tr>
<td>MVB</td>
</tr>
<tr>
<td>MVJ</td>
</tr>
<tr>
<td>MVK</td>
</tr>
<tr>
<td>MVP</td>
</tr>
<tr>
<td>MVS</td>
</tr>
<tr>
<td>MWU</td>
</tr>
<tr>
<td>MWW</td>
</tr>
<tr>
<td>NGR</td>
</tr>
<tr>
<td>NUR</td>
</tr>
<tr>
<td>OCB</td>
</tr>
<tr>
<td>OCC</td>
</tr>
<tr>
<td>OGE</td>
</tr>
<tr>
<td>OCG</td>
</tr>
<tr>
<td>OCP</td>
</tr>
<tr>
<td>ORI</td>
</tr>
<tr>
<td>PAD</td>
</tr>
<tr>
<td>PCB</td>
</tr>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>PEM</td>
</tr>
<tr>
<td>PEN</td>
</tr>
<tr>
<td>PEP</td>
</tr>
<tr>
<td>PEQ</td>
</tr>
<tr>
<td>PET</td>
</tr>
<tr>
<td>PGY</td>
</tr>
<tr>
<td>PHH</td>
</tr>
<tr>
<td>PHI</td>
</tr>
<tr>
<td>PHM</td>
</tr>
<tr>
<td>PHP</td>
</tr>
<tr>
<td>PHY</td>
</tr>
<tr>
<td>PHZ</td>
</tr>
<tr>
<td>POL</td>
</tr>
<tr>
<td>POR</td>
</tr>
<tr>
<td>POS</td>
</tr>
<tr>
<td>POT</td>
</tr>
<tr>
<td>PPE</td>
</tr>
<tr>
<td>PSB</td>
</tr>
<tr>
<td>PSY</td>
</tr>
<tr>
<td>PUP</td>
</tr>
<tr>
<td>QMB</td>
</tr>
<tr>
<td>RCS</td>
</tr>
<tr>
<td>REA</td>
</tr>
<tr>
<td>RED</td>
</tr>
<tr>
<td>REE</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>RMI</td>
</tr>
<tr>
<td>RTV</td>
</tr>
<tr>
<td>RUS</td>
</tr>
<tr>
<td>RUT</td>
</tr>
<tr>
<td>SCE</td>
</tr>
<tr>
<td>SDS</td>
</tr>
<tr>
<td>SLS</td>
</tr>
<tr>
<td>SOP</td>
</tr>
<tr>
<td>SOW</td>
</tr>
<tr>
<td>SPA</td>
</tr>
<tr>
<td>SPC</td>
</tr>
<tr>
<td>SPN</td>
</tr>
<tr>
<td>SPS</td>
</tr>
<tr>
<td>SPT</td>
</tr>
<tr>
<td>SPW</td>
</tr>
<tr>
<td>SSE</td>
</tr>
<tr>
<td>STA</td>
</tr>
<tr>
<td>SUR</td>
</tr>
<tr>
<td>SYA</td>
</tr>
</tbody>
</table>
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 2010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded by 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 equivalents 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

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, FL 33620-6920, or the Florida Department of Education, Office of Postsecondary Education Coordination, 1101 Florida Education Center, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 488-6402 or Suncom 278-6402.
## USF Course Descriptions

### College and Department Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR</td>
<td>Architecture (AR)</td>
</tr>
<tr>
<td>ARC</td>
<td>Arts and Sciences (AS)</td>
</tr>
<tr>
<td>AFA</td>
<td>Africana Studies</td>
</tr>
<tr>
<td>AMS</td>
<td>American Studies</td>
</tr>
<tr>
<td>ANT</td>
<td>Anthropology</td>
</tr>
<tr>
<td>AST</td>
<td>Astronomy</td>
</tr>
<tr>
<td>BIO</td>
<td>Biology</td>
</tr>
<tr>
<td>BIS</td>
<td>Bachelor of Independent Studies</td>
</tr>
<tr>
<td>CEL</td>
<td>Community Experiential Learning</td>
</tr>
<tr>
<td>CHM</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CJJP</td>
<td>Criminology</td>
</tr>
<tr>
<td>COM</td>
<td>Communication Sciences and Disorders</td>
</tr>
<tr>
<td>CSR</td>
<td>Communication Sciences and Disorders</td>
</tr>
<tr>
<td>ESP</td>
<td>Environmental Science and Policy</td>
</tr>
<tr>
<td>GEY</td>
<td>Gerontology</td>
</tr>
<tr>
<td>GLY</td>
<td>Geology</td>
</tr>
<tr>
<td>GYP</td>
<td>Geography</td>
</tr>
<tr>
<td>HUY</td>
<td>History</td>
</tr>
<tr>
<td>HUM</td>
<td>Humanities</td>
</tr>
<tr>
<td>IAS</td>
<td>Interdisciplinary Arts and Sciences</td>
</tr>
<tr>
<td>INT</td>
<td>International Studies</td>
</tr>
<tr>
<td>ISS</td>
<td>Interdisciplinary Social Sciences</td>
</tr>
<tr>
<td>LHS</td>
<td>Library and Information Sciences</td>
</tr>
<tr>
<td>LML</td>
<td>Modern Languages and Linguistics</td>
</tr>
<tr>
<td>MSC</td>
<td>Marine Science</td>
</tr>
<tr>
<td>MTH</td>
<td>Mathematics</td>
</tr>
<tr>
<td>PAD</td>
<td>Public Administration</td>
</tr>
<tr>
<td>PHI</td>
<td>Philosophy</td>
</tr>
<tr>
<td>PHY</td>
<td>Physics</td>
</tr>
<tr>
<td>POL</td>
<td>Political Science</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology</td>
</tr>
<tr>
<td>REH</td>
<td>Rehabilitation Counseling</td>
</tr>
<tr>
<td>REL</td>
<td>Religious Studies</td>
</tr>
<tr>
<td>SOC</td>
<td>Sociology</td>
</tr>
<tr>
<td>SOK</td>
<td>Social Work</td>
</tr>
<tr>
<td>SPE</td>
<td>Communication</td>
</tr>
<tr>
<td>WST</td>
<td>Women's Studies</td>
</tr>
</tbody>
</table>

### Business Administration (BA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC</td>
<td>Accounting</td>
</tr>
<tr>
<td>ECK</td>
<td>Economics</td>
</tr>
<tr>
<td>FIN</td>
<td>Finance</td>
</tr>
<tr>
<td>GBA</td>
<td>General Business Administration</td>
</tr>
<tr>
<td>MAN</td>
<td>Management</td>
</tr>
<tr>
<td>MBA</td>
<td>Business Administration</td>
</tr>
<tr>
<td>MKT</td>
<td>Marketing</td>
</tr>
<tr>
<td>QMB</td>
<td>Information Systems and Decision Sciences</td>
</tr>
</tbody>
</table>

### Education (ED)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA</td>
<td>Art Education</td>
</tr>
<tr>
<td>EDB</td>
<td>Educational Leadership</td>
</tr>
<tr>
<td>EDC</td>
<td>Curriculum</td>
</tr>
<tr>
<td>EDE</td>
<td>Elementary Education</td>
</tr>
<tr>
<td>EDF</td>
<td>Psychological and Social Foundations</td>
</tr>
<tr>
<td>EDG</td>
<td>Counselor Education</td>
</tr>
<tr>
<td>EDH</td>
<td>Junior College Education</td>
</tr>
<tr>
<td>EDI</td>
<td>Secondary Education - General</td>
</tr>
<tr>
<td>EDJ</td>
<td>Physical Education - Elementary</td>
</tr>
<tr>
<td>EDK</td>
<td>Computer Education</td>
</tr>
<tr>
<td>EDM</td>
<td>Middle Grades Education</td>
</tr>
<tr>
<td>EDN</td>
<td>Science Education</td>
</tr>
<tr>
<td>EDO</td>
<td>Mathematics Education</td>
</tr>
<tr>
<td>EDP</td>
<td>Physical Education - Professional</td>
</tr>
<tr>
<td>EDR</td>
<td>Measurement-Research</td>
</tr>
<tr>
<td>EDS</td>
<td>Reading Education</td>
</tr>
<tr>
<td>EDT</td>
<td>English Education and Speech Communication</td>
</tr>
<tr>
<td>EDU</td>
<td>Early Childhood Education</td>
</tr>
<tr>
<td>EDV</td>
<td>Industrial/Technical Education</td>
</tr>
<tr>
<td>EDW</td>
<td>Social Science Education</td>
</tr>
<tr>
<td>EDX</td>
<td>Foreign Language Education</td>
</tr>
</tbody>
</table>

### Engineering (EN)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>EGB</td>
<td>Interdisciplinary Engineering</td>
</tr>
<tr>
<td>EGE</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>EGR</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>EGS</td>
<td>Industrial and Management Systems</td>
</tr>
<tr>
<td>EGX</td>
<td>Civil and Environmental Engineering</td>
</tr>
</tbody>
</table>

### Fine Arts (FA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>DAN</td>
<td>Dance</td>
</tr>
<tr>
<td>EDD</td>
<td>Theatre Education</td>
</tr>
<tr>
<td>FAI</td>
<td>Interdisciplinary Fine Arts</td>
</tr>
<tr>
<td>MUS</td>
<td>Music/Music Education</td>
</tr>
<tr>
<td>TAR</td>
<td>Theatre</td>
</tr>
</tbody>
</table>

### Medicine (ME)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSG</td>
<td>Medical Sciences</td>
</tr>
</tbody>
</table>

### Nursing (NU)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR</td>
<td>Nursing</td>
</tr>
</tbody>
</table>

### Public Health (PH)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFH</td>
<td>Community and Family Health</td>
</tr>
<tr>
<td>EOH</td>
<td>Environmental and Occupational Health</td>
</tr>
<tr>
<td>EPI</td>
<td>Epidemiology and Biostatistics</td>
</tr>
<tr>
<td>HPM</td>
<td>Health Policy and Management</td>
</tr>
<tr>
<td>PHC</td>
<td>Public Health</td>
</tr>
</tbody>
</table>

### Undergraduate Studies (UG)

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR</td>
<td>Aerospace Studies - Air Force ROTC</td>
</tr>
<tr>
<td>COE</td>
<td>Cooperative Education</td>
</tr>
<tr>
<td>HON</td>
<td>Honors Program</td>
</tr>
<tr>
<td>MIS</td>
<td>Military Science - Army ROTC</td>
</tr>
</tbody>
</table>

### 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 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 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: AGC3341. Application of the material covered in AGC 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 4501 Governmental/Not-For-Profit Accounting (3) BA ACC
PR: AGC 2021. Application of financial and managerial accounting, and auditing, principles and theory to both governmental and not-for-profit entities.

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 AGC 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: AGC 3113 and AGC 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: AGC 4632. Further development of material covered in AGC 4632, with special emphasis on additional reporting topics and audit techniques not previously presented.

AGC 4901 Independent Study (1-3) BA ACC
PR: Consent of Director. S/U only. Specialized independent study determined by the students' needs and interests.

AGC 4911 Independent Research (1-4) BA ACC
PR: Consent of Director. Individual study contract with instructor and director required. The research project will be mutually determined by the student and instructor.

AGC 4931 Selected Topics In Accounting (1-4) BA ACC
PR: CI. The course content will depend on student demand and instructor's interest.

AGC 4932 Honors Accounting Seminar (3) BA ACC
PR: Honors accounting student in final semester of bachelor's program. Use of case studies to explore the interaction of accounting and business topics that have been previously emphasized in separate courses.

AGC 5381 Advanced Financial Accounting IV (3) BA ACC
PR: AGC 4123. Accounting for business combinations, preparation of financial statements, home office/branch relationships, foreign operations and transactions, partnerships.

AGC 5675 Internal and Operational Auditing (3) BA ACC
PR: AGC 3113 and AGC 3401. CR: AGC 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 the relevant audit principles and techniques to selected 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.

ADE 4384 Working With the Adult Learner: Adult Education (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: MMC 2100 and MMC 3602. A study of the structures, functions, and persuasive language of advertising in 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 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 Advertising Design (3) AS COM
PR: ADV 3000 (for advertising sequence majors) or VIC 3000 (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: ADV 3074, ADV 3000 and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3700 Retail Advertising Planning and Execution (3) AS COM
PR: ADV 3000. PR: ADV 3101 A study of retail advertising, including management decisions, procedures, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4800 Advertising Campaigns (3) AS COM
PR: ADV 3101, ADV 3300, MMC 4420, 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 Practicum (1) AS COM
PR: CI. For advertising 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 practicum.

AFA 2000 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 SS REC
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 4331 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 4371 African American Women 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.

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 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 4931 Selected Topics in African Studies (3) AS AFA
Topics offered are selected to reflect student needs and faculty interests. 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 African Studies (3) AS AFA
Variable topics course focusing on the history, culture, and lived experiences of Africans, African-American, and other peoples of African descent worldwide. Repeat up to 12 hours as topics vary.

AFA 3100 African History to 1850 HP AF (3) AS HTY
An outline survey of pre-colonial African history including a prefa- torum medius to the role of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past.

AFA 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, emergence of independent African states, and post-
AFR 1101 The Air Force Today: Organization And Doctrine (1) UG AF
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) UG AF
A study of the strategic offensive and defensive forces, general purpose forces, and aerospace support forces that make up the Air Force of today.

AFR 2000 Enhanced Physical Fitness Training (0) UG AF
Required of all students in AFR 2000-, 3000-, and 4000-level classes. It meets once per week for 1 and 1/2 hours. Concentrates on motivational physical fitness, healthy lifestyle and cadet esprit.

AFR 2001 Leadership Laboratory (0) UG AF
Leadership Laboratory is required for each of the Aerospace Studies courses. It meets one hour and 45 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) UG AF
CR: 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 WWI and WWII and how it affected the evolution of air power concepts and doctrine.

AFR 2131 U.S. Air Power: Key To Deterrence (1) UG AF
CR: AFR 2000, AFR 2001 A historical review of air power employment in military and nonmilitary 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) UG AF
CR: 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 (officier). 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) UG AF
CR: 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, organization, power, leadership, and management as 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) UG AF
CR: 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-manager in a democratic society.

AFR 4211 National Security Forces In Contemporary American Society II (3) UG AF
CR: AFR 2000, AFR 2001 A continuation of the study of the Armed Forces in contemporary American society. Concentration is on the relationships for maintaining adequate national security forces; political, economic, and social constraints on the national defense structure; the impact of technological and international developments on strategic preparedness; the variables involved in the formulation and implementation of national security policy; and military justice and its relationship to civilian law.

AFS 2250 Culture and Society in Africa 6A AF (3) AS AFA
PR: Junior or Senior standing. Explore the socio-historical, philo-
soc, and cultural dynamics of African cultures through the study of African oral literature and the reading of African literary texts of various genres.

AFS 3153 African Literature Survey 6A LW (3) AS AFA
PR: Junior or Senior standing. Explore the socio-historical, philo-
soc, and cultural 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.

AMH 111 American History I HP (3) AS HCT
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 HCT
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 HCT
A study of the evolution of American society from the Age of Reconnaissance 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 HCT
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 HCT
A comprehensive study of American society and political culture from 1789-1826. Focuses on demographic trends, party systems, nationalism, Indian policy, labor, and ethnocultural conflicts.

AMH 3160 The Age of Jackson (4) AS HCT
The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activities in the antebellum era.

AMH 3170 The Civil War and Reconstruction (4) AS HCT
An examination of political, social, and economic climate of the 1860's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).

AMH 3201 The United States, 1877-1914 (4) AS HCT
A study of America from the end of Reconstruction to World War I. Discussing 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 HCT
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 HCT
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 HCT
Southern history since the surrender at Appomattox. Topics covered: Reconstructions, the Populist revolt, race relations, demagoguery and disfranchisement; Southern women, and the Civil Rights Movement.

AMH 3421 Early Florida (4) AS HCT
A history of colonial Florida under 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 HCT
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 (4) AS HCT
A study of American 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 6A (4) AS HCT
The development of American Foreign Relations in the Agricultural era.

AMH 3511 U.S. Diplomatic History in the 20th Century (4) AS HCT
A history of American Foreign Relations in the Industrial era.

AMH 3530 Immigration History (4) AS HCT
A study of the composition and character of the "American" people with emphasis on the period from 1840 to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world's social, economic and political conditions.

AMH 3340 United States Military History (4) AS HCT
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 economic dominance. This course will examine the relations between American War and empire from the Revolution through Viet Nam.

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, wars, and reform movements will be examined.

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, wars, religion and reform movements will be examined.

AMH 3571 African American History to 1865 HP (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 HP (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 Right Movement.

AMH 3800 History of Canada (4) AS HTY
A study of Canadian experience from 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.

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 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 HP (3) AS ENG
Will not be counted toward the English major. Examines American literature from the Colonial Period to the Civil War as a manifestation of political, social, and intellectual forces.

AML 3604 African American Literature 6A LW (3) AS ENG
A study of black American literature from the nineteenth century to the present, including the works of such writers as W.E.B. Dubois, James, Toomer, Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni.

AML 4111 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 4121 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, Updike, 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, Heilman, McCullers, O’Connor, Warren, Styron, Tate, Davidson, andDickey.

AML 4303 Zora Neale Hurston: Major Works 6A MW LW (3) AS ENG
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 author.

AML 4330 Selected American Authors (3) AS ENG
The study of two or three related major authors in American literature, focusing on several major figures; 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.

AML 4624 Black Women Writers 6A LW (3) AS ENG
Black women writers focus on the literature of women of African and African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of Africana 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 2270 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 3051 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 pertinent to the various regions dealing with selected American regions. Topic varies.

AMS 3230 America During the Twenties and Thirties (4) AS AMS
Selected interdisciplinary materials are used to examine the relationships among nationalism, liberalism 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 3302 Architecture and the American Environment (3) AS AMS
By means of slides, lectures and discussion the course examines 350 years of American architectural history. Architectural styles, aesthetics and the relation between a building and its social environment are stressed.

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 communal societies.

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 ethnocentrism and class conflict 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, filmmakers, 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.

AMS 4504 Major Ideas in American 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 and sources.

AMS 4910 Individual Research (1-4) AS AMS
The content of the course will be governed by student demand and instructor interest. Instructor approval required 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

AMS 4935 Senior Seminar in American Studies (4) AS AMS PR: Senior in American Studies or CI.

AMS 4940 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 practical training in careers related to American Studies.

ANG 5901 Directed Reading (1-4) AS ANG PR: CI, DPR. S/U Individual guidance in concentrated reading on a selected topic in Anthropology. Contract required prior to registration.

ANT 1149 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 2000 Introduction to Anthropology SS AF (3) AS ANT The cross-cultural study of the human species in biological and social perspectives. Surveys the major branches of anthropo-

logy: physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the study of peoples living in the world today, be they in tribal, peasant, or urban societies).

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 life on this planet.

ANT 3101 Archaeology SS (3) AS ANT PR: ANL 2000 or CI. This 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: ANL 2000 or CI. 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: DPR. Senior standing with 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 became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

ANT 4103C Archaeological Science (4) AS ANT PR: ANL 3010 or CI. This course focuses on the application of scientific methods of analysis to archaeological materials including bone, stone, pottery, and metal. Methods include absolute dating, remote sensing, optical and SEM microscopy, elemental and isotope analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods.

ANT 4146 European Archaeology (4) AS ANT PR: ANT 3010 or CI. The archaeology of Europe, from the first Paleolithic inhabitants to the fall of Roman civilization. The course will focus on the 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 4149 Fantastic Archaeology: Mysteries of the Human Past MW (3) AS ANT Mysteries of the human past, including the Lost Continent of Atlantis, the Bermuda Triangle, and the ‘Myth of the Mummy’. The 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 4153 North American Archaeology (3) AS ANT PR: ANT 3100 or CI. 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 prehistoric archaeology of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 Florida Archaeology (4) AS ANT PR: ANT 3100, DPR. 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 S.E. entire eastern United States and Mesoamerican summer (or other semester) field school, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4162 South American Archaeology (3) AS ANT PR: ANT 3100 or CI. Describes and analyzes 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 4163 Mesoamerican Archaeology (3) AS ANT PR: ANT 3100 or CI. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultural groups such as the Mayas, Olmecs, Zapotecs, Mixtecs, Toltecs are included, with 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 3100 or CI. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

ANT 4180 Laboratory Methods in Archaeology (2-4) AS ANT PR: ANT 3100, DPR. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction of the buried environment; analysis of materials, mappaking, 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 3100 and DPR. 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 4199 Environmental Archaeology (4) AS ANT PR: ANT 3100 or CI. This course examines environmental constraints on ancient human societies, and how human activities have impacted the environment in the past 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 4231 Folklore 6A (3) AS ANT PR: ANT 2410 or CI. 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 4241 Magic and Religion 6A MW (3) AS ANT PR: ANT 2410 or CI. 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 practitioners and symbols of belief will be considered in light of their place in the social, political, or economic aspects of peoples' lives.

ANT 4285 Oral History (4) AS ANT PR: ANT 2410 or CI. A survey of the history, methods, and current applications of oral history research, primarily in the anthropological study of culture, but with relevance 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 CI. 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 4303 North Americans (3) AS ANT PR: ANT 2410 or CI. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonizers. North American cultures of the eighteenth century will be discussed.
ANT 4316 Ethnic Diversity in the United States MW (3) AS
PR: ANT 2410 or CI. 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 4324 Mexico and Central America (3) AS
PR: ANT 2410 or CI. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mexico, Guatemala, and other Latin American countries.

ANT 4340 The Caribbean 6A MW (3) AS ANT
PR: ANT 2410 or CI. Main themes include: the depopulation of the Caribbean as a result of slavery, immigration, and the integration of non-white ethnic groups into society; problems of the Third World; and the 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 (4) AS ANT
PR: ANT 2410 or CI. An introduction to cultural anthropology, the anthropological perspective, and the anthropological method. The course presents an overview of cultural anthropology and is a prerequisite for all advanced courses in anthropology.

ANT 4401 Exploring Cross-Cultural Diversity MW (3) AS ANT
For non-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 and outside of the United States. Students will gain an understanding of how cultural diversity affects the way we think and act in the world.

ANT 4402 Urban Life and Culture (3) AS ANT
PR: ANT 2410 or CI. The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the integration of urban life and culture with the practical applications of urban research.

ANT 4462 Health, Illness, and Culture (3) AS ANT
PR: ANT 2410 or CI. The study of health and human behavior in cross-cultural perspective. Main themes include: the impact of disease on the development of human culture; comparative studies of 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 4495 Methods in Cultural Research (3) AS ANT
PR: ANT 2410 or CI. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are studied. Research design models from the United States society are studied and supervised research in the local community is designed and carried out.

ANT 4502 Forensic Anthropology (3) AS ANT
PR: ANT 2511 or CI. 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 majors/minors only.

ANT 4586 Prehistoric Human Evolution NS (3) AS ANT
PR: ANT 2511 or CI. A survey of the fossil record from the early primates through the hominid sapiens sapiens focusing on the human lineage. Bio-cultural patterns and cultures of the past are also covered.

ANT 4587 Human Variation (3) AS ANT
PR: ANT 2511 or CI. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

ANT 4620 Language and Culture 6A (3) AS ANT
PR: ANT 3610 or CI. Examine the relationships between language and culture in cross-cultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasis on the nature and degree of fit between linguistics and other forms of cultural knowledge.

ANT 4701 Applied Anthropology (3) AS ANT
PR: ANT 2410 or CI. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues affecting the problems of economic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 Language and Social Identity 6A (3) AS ANT
PR: ANT 3610 or CI. Examines the role of language and other modes of communication in the social settings of speech communities.

ANT 4824 Archaeological Field Methods (4-12) AS ANT
PR: ANT 3100. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Archaeology and Language Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recording, and processing.

ANT 4901 Directed Reading (1-4) AS ANT
PR: Graduate S/U only. Independent study on a selected topic in anthropology. Contract required prior to registration.

ANT 4907 Individual Research (2-4) AS ANT
PR: DPR. S/U only. Individual guidance in a selected research project. Contract required prior to registration.

ANT 4930 Special Topics in Anthropology (3) AS ANT
PR: CI. Topics to be chosen by students and instructor permitting newly developing disciplinary 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 (3) AS ANT
PR: ANT 2410 or CI. Focuses on the relationship between the individual and society in the study of cultural diversity. Main themes include: the impact of disease on the development of human culture; comparative studies of 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 5915 Individual Research (2-4) AS ANT
PR: CI, DPR. Contract required prior to registration. S/U. Individual guidance in selected research projects.

ANT 5937 Seminar in Anthropology (2-4) AS ANT
PR: Senior or GS Topics to be chosen by students and instructor.

ARA 1120 Modern Arabic I (4) AS MLL
CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.

ARA 1120L Modern Arabic I Laboratory (1) AS MLL
CR: 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 MLL
PR: ARA 1120 or its equivalent. CR: 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 MLL
CR: 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 MLL
PR: ARA 1121 or the equivalent. CR: ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

ARA 2201 Modern Arabic IV (4) AS MLL
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 4905 Directed Study (1-5) AS MLL
De-emphasis 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 MLL
De-emphasis 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
CR: ARA 2200. The 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 518 Computer Technology (3) AR ARC
PR: CC CQ. 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, graphic computer design, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), com-
involved with the exploration and expression of cultural traditions and individual ideas through craft arts.

ARE 4642 Community Arts (3) FA ART
PR: ARE 3044. Explores the arts as infrastructure through identification, exploration, and experimentation with unique community spaces, populations and new environments for learning and living 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
CR: ARE 4037. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is supervised by two or more senior faculty, 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 (3) 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 Aegean, Mycenaean, Etruscan, Greek and Roman painting, sculpture and 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 Mannerist painting, sculpture and architecture in Italy and Northern Europe.

ARH 4318 Venetian Art (4) FA ART
PR: CPR. 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 and of 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: CPR. 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 comprehensive 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 4547 Buddhist Art (4) FA ART
PR: CPR. 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 religions and political trends, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

ARH 4554 Japanese Prints (4) FA ART
PR: CPR. The 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 prints within society and how art is examined throughout.

ARH 4557 Chinese Art (4) FA ART
PR: CPR. Chinese Art proceeds chronologically, from the Neolithic era up to the contemporary art world. The course considers cultural, linguistic, technical, political and religious influences on the art works produced by this ancient society.

ARH 4710 History of Photography 6A MW (4) FA ART
PR: CPR. Comprehensive overview of the history of photography from its inception to the present day, with emphasis on the relationship of photography to the visual arts and popular culture.

ARH 4721 Graphicstudio/History of Media: 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/analytical capabilities.

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/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 art.

ARH 4796 Critical Studies In Art History 6A (4) FA ART
PR: CPR. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering.

ARH 4830 Art History: Lecture/discussion course designed to offer areas of expertise of visiting scholars or specific interests of resident faculty.

ARH 4937 Seminar In The History Of Art History 4 ART
PR: Four courses in Art History at the 4000 level. CPR. An examination of the origins of Art History as a discipline and changing nature of Art History from Vasari to the present.

ARH 5795 Methods of Art History (4) FA ART
Must 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.

ART 2201C Fabrications FA (4) 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 supplemented by lecture and discussion. Emphasis on images of implied time and space.

ART 2203C Fabrications II FA (3) FA ART
PR: ART 2201C (for majors). No prerequisites for non-majors. This course will synthesize and expand on the groundwork laid in Fabrications I, which is pre-requisite for majors, but not for non-majors. Fabrications II will focus on the significance of meaning and how it is constructed visually by researching 3 phases: 1 - the personal in images, We - images of cultural ideas, and They - images produced through collaboration.

ART 2222 Beginning Electronic Media (3) FA ART
An introductory exploration of the issues and practices involved in the creation of experimental computer art. The course focuses on an interdisciplinary approach to electronic media. Available to majors and non-majors.

ART 2301C Beginning Drawing (3) FA ART
Intermediate projects exploring the methods, media, and concepts of drawing.

ART 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).

ART 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.

ART 2701C Beginning Sculpture (3) FA ART
Intermediate projects with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.
ART 2930 Selected Topics in Art (2-4) FA ART
Open University offerings under this number may not be counted for degree credit for art majors. The content of this course will be determined by student demand and instructor interest.

ART 311C Intermediate Ceramics (3) FA ART
Intermediate ceramics in ceramics and emphasis on the exploration of methods and media and the development of individual concepts.

ART 322C Intermediate Electronic Media (3) FA ART
Majors only. An intermediate exploration of the issues and practices involved in the production of experimental computer art. The course focuses on an interdisciplinary approach to electronic media while developing individual creative growth.

ART 3302C Intermediate Drawing (3) FA ART
Art fundamentals 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.

ART 3401C Intermediate Painting (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.

ART 3468C Digital Printmaking (4) FA ART
PR: ART 2301C Investigation of Printmaking Media including: monoprinting, collograph, relief printing and the dimensional print with emphasis on the development of individual concepts.

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 problem based with emphasis on both traditional and non traditional methods. (May be repeated for credit up to 9 hours.

ART 3808C Site, Installation, and Performance (3) FA ART
Continued studies and projects in sculpture with an emphasis on site-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: CPR. Concentration in specialized technical data and process.

ART 3939 The Real World (2) FA ART
Restricted to studio majors. Offers students studio opportunities to analyze their experiences as art majors and explore options available to them upon completion of their degree.

ART 4111C Advanced Ceramics (3) FA ART
PR: ART 3110C. Continued problems in ceramics.

ART 4204C Advanced Electronic Media (3) FA ART
PR: ART 2222 or CPR. Advanced exploration of issues and practices involved in the creation of experimental computer art. The course continues as 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 2111C. Study of current 3-D issues in art with advanced self directed project to explore 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: CPR. Registration by contract only. Undergraduate 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 studies 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
Open University offerings under this number may not be counted for degree credit for art majors. The content of this course will be determined by student demand and instructor interest.

ART 4985 Senior Projects (3) FA ART
PR: Senior year student. Completion of all art preparation course work. CR: Studio Workshops and one Theme Studio. Restricted to majors. Required of all Art majors. Independent study with profes- sional attention designed project to be completed before end of senior year. Art projects may include designs for community and public arts programs, installations, curatorial work, performance, a series of work developed within a particular studio discipline, etc.

ART 4997C Senior Thesis (1) FA ART
The creation of a coherent body of advanced level artwork that is supported by a written document 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, CPR. 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 5425C 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 photopolymer and color printing procedures. Emphasis on personal conceptual development in graphic media.

ART 5535C Painting (4) FA ART
PR: ART 2520C. CPR. Advanced problems in the various painting techniques. Emphasis on individual creative expression.

ART 5730C Sculpture (4) FA ART
PR: ART 2702C. CPR. Advanced problems in the various techniques of sculpturing. Emphasis in individual creative expression.

ART 5910 Research (1-4) FA ART
PR: CI. Registration by contract only.

ART 5936 Studio Techniques: Selected Projects (2) FA ART
PR: CPR. Concentration in specialized technical data and process.

ASH 3404 Modern Chinese SS HP AF (4) AS HTY
Political, economic, and social history of China from the time of the first major Western contacts (17th-18th Centuries) 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 Empires 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, anthropologi- cal, 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, anthropologi- cal, and sociological analysis in dealing with salient features and current problems.

ASN 3030 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, anthropologi- cal, and sociological analysis in dealing with salient features and current problems.

ASN 3036 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
AST 2006 Stellar Astronomy and Cosmology NS (4) AS AST
No Physics background assumed. Topics covered include properties of stars, star formation, structure and evolution of stars, and the structure of the universe. The course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

AST 2032C Illustrative Astronomy (3) AS AST
Constellation 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 3933 Contemporary Thinking in Astronomy NS (3) AS AST
PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending 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 3944 Archaeoastronomy (3) AS AST
PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Planetary motion is given to Sumerians, Egyptians, works of N. Indians, the Maya and Aztecs, and the Egyptians. Lec.-Lab.

AST 3652 Navigation (3) AS AST
PR: Some knowledge of geometry, algebra, and trigonometry. Theory, design, use of sextant, constellations, celestial navigation with minimum equipment, small spherical apparatus.

AST 3930 Selected Topics in Astronomy (1-4) AS AST
PR: CI. Course content will depend 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 2100. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec-

BCH 3023L Basic Biochemistry Laboratory (2) AS CHM
CR: BCH 3023. Practical work in determination and characterization of important biocatalysts. Lec.-lab.

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, channels, antibodies, and contraction.

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.

BMS 4002 Principles Of Human Pharmacology NS (3) AS 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 biologic processes.

BOT 3373C Vascular Plants: Form and Function (4) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L. Introduction to morphology, physiology and evolution of vascular plants, integrating form and function to understand diversity. Lec.-lab.

BOT 4132C Medical Botany (3) AS BIO
PR: BSC 2111, BSC 2111L, 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 phylogeographic aspects stressed. Lec.-lab. Course offered every two years.

BOT 4434C Mycology (3) AS BIO
PR: BOT 3373C or MCB 3030C. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec.-lab.

BOT 4503 Plant Physiology (3) AS BIO
PR: BOT 3373C, PCB 3023, PCB 3043, or PCB 3063. Fundamental activities of plants, absorption, translocation, transpiration, metabolism, and growth. Special emphasis on photosynthesis, respiration, and reproductive phenomena. This course is complementary to but independent of BOT 3503. Either may be taken before the other or taken by itself.

BOT 4503L Plant Physiology Laboratory (1) AS BIO
CR/PR: BOT 4503. Laboratory portion of Plant Physiology.

BOT 4810C Economic Botany (3) AS BIO
PR: BOT 3373C. Study of the uses of plants by man for food, fiber, medicines, fibers, and medicines.

BOT 5185C Marine Botany (4) AS BIO

BSC 1005 Principles of Biology For Non-Majors NS (3) AS BIO
No credit for Biology majors. Lectures and demonstrations of selected biological principles, usually taught by television.

BSC 2010 Biology I - Cellular Processes NS (3) AS BIO
CR: BSC 2010L. PR/CR: CHM 2045. The course is designed for majors and has a laboratory associated with the lecture. An analysis of the biological systems making up the cellular and subcellular levels: cell structure and function, respiration, photosynthesis, mitosis and meiosis, genetics and gene expression.

BSC 2010L Biology I Cellular Processes Laboratory (1) AS BIO
CR: 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 2111 Biology II - Diversity NS (3) AS BIO

BSC 2111L Biology II Diversity Laboratory (1) AS BIO
CR: BSC 2111. 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 food sources.

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 2033 Human Anatomy and Physiology I (3) AS BIO
PR: BSC 2010. BSC 2010L and BSC 2111, BSC 2111L. 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 cardiac physiology, nervous, endocrine, skeletal, and muscular systems will be covered. May be taken by Departmental majors for free elective credit only.

BSC 2094 Human 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
and methods underlying treatment modalities currently employed in inpatient and outpatient settings. Evaluation and treatment of criminal justice majors (d) individual faculty members may add additional requirements at their discretion. No more than five hours of CJ 4900. CJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major. This course is designed to provide students with a research experience in which they will work closely with faculty on the development and implementation of research projects in the area of criminal justice. CJ 4503 In Selected Topics in Criminology (3) AS CJP.

PR: Junior standing. CJ 3024, CJ 3621, CJ 3610. No more than 9 hours of CJ 4933, CJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major. These variable topic seminars are used for the in-depth study and discussion of the relationships among culture, gender, ethics, age, society, and criminal behavior. Such examinations may include the options the criminal justice does (or does not) have to deal with these interactions, and the ethics and efficacy of the intervention response. The content limit. Memory and I/O. Hardware support of operation system functions.

CDA 4203 Computer System Design (3) EN ESB
PR: EEL 470S and EEL 470SL. CR: CDA 4203. This lab introduces the student to the concept of system design. Several projects are given including building timing circuits, memory-based and communication circuits, and microcomputer-based designs.

CDA 5405 Modeling Computer System Performance I (3) EN ESB

CDA 5406 Modeling Computer System Performance II (3) EN ESB
PR: CDA 5400 Continuation of Performance Modeling I. Practical limitations. Numerical accuracy and stability. Students will develop a practical modeling program and explore its use.

CEN 3080 Soil Mechanics I (3) EN EOX
PR: EGN 3353C. Fundamental and experimental concepts in soil mechanics with emphasis on soil properties, soil moisture, soil structure, and bearing strength.

CEG 4011 Geotechnical Laboratory I (1) EN EOX
CR: CEG 4011. Demonstrates and experiments verifying theoretical bases of Geotechnical Engineering. One hour lecture and two laboratory hours per week.

CEG 4012 Soil Mechanics II (3) EN EOX
CR: 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 4801 Geotechnical Design (2) EN GX
CR: CEG 4011. Design of geotechnical systems including bases, foundations, embankments, and dams.

CEG 4850 Capstone Geotechnical/Transportation Design MW (3) EN GX
PR: CEG 4011, TTE 4011. A capstone geotechnical/transportation design experience for seniors in Civil and Environmental Engineering. Design of embankment and pavement bases. Comprehensive surface streets, open highway intersection and site design involving functional design, facility sizing, complete alignments and coordination, plan preparation, site layout and design, quantity summarization, bid tag planning and specification preparation.

CEG 5115 Foundation Engineering (3) EN GX
PR: CR: 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 GX
PR: CR: 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.

CEN 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.

CEN 4721 User Interface Design (3) EN ESB
An examination of factors influencing the usability of a computer system. Topics include input and output devices, graphic and multimedia interfaces, formats for interaction/communication between computer and user, and evaluation of usability.

CEN 3102 Structures I (3) EN GX
PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Introduction to the use of energy methods in indeterminate structures.

CEN 4000 Structures and The Urban Environment for Non-Engineers 6A MW (3) EN GX
This course reviews the best works of structural engineering to indicate how current technology and social context affects structural form, to familiarize students with relevant structural principles, and to introduce the concept of structural art.

CEN 4141 Matrix Structural Analysis (3) EN GX

CEN 4161 Computer Aided Structural Design (3) EN GX
PR: CEN 4141. Computer aided structural analysis and design using existing finite element program, static dynamic loading.

CEN 4605 Concepts of Steel Design (3) EN GX
PR: CEN 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.

CEN 4618 Structural Design Steel (2) EN GX
PR: CEN 4605. Design of structures made of steel.

CEN 4702 Concepts of Concrete Design (3) EN GX

CEN 4704 Structural Design-Concrete (2) EN GX

CEN 4720 Capstone Structural/Materials Design (3) EN GX
PR: CEN 4704. A capstone materials design experience for seniors in Civil and Environmental Engineering. This course will provide students with a focused design experience aimed to design for durability and reliability.

CEN 4740 Capstone Structural/Geotechnical Design MW (3) EN GX

CEN 4742 Concepts of Structural Design (3) EN GX
Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete: design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns.

CEN 4820C Timber and Masonry Design (3) EN GX
PR: CEN 3102, CEN 4702. Fundamentals of timber design including beams, columns, connections and formwork. Introduction to masonry design including design of beams, walls, columns, and piers.

CES 5105C Advanced Mechanics of Materials I (3) EN GX
PR: EGN 3331, MAP 2302 Analytical study of the mechanical behavior of deformable solids and production. Basic concepts, stress and strain transformation, special topics in beams, theory of elasticity, criteria of failure, beams on elastic foundation.

CES 5209 Structural Dynamics (3) EN GX
PR: CES 3102. Behavior of structural components and systems when subjected to periodic dynamic loads.

CES 5715C Prestressed Concrete (3) EN GX
PR: CI, majors only. Fundamental principles of prestressing; calculation of losses; stress analysis and design of simple beams for flexure and shear. Examples of pressures applications.

CGN 3021L Civil Engineering Laboratory (2) EN GX
PR: CES 3102, EGN 3353, EGN 3365. A laboratory experience in departmental facilities including the subject areas of structures, materials, fluids, transportation, soils, engineering mechanics, environmental engineering, and computer assisted data acquisition.

CGN 4122 Professional and Ethical Issues in Engineering MW (3) EN GX
Focus on engineering responsibilities in the technical aspects of preparing contracts and specifications. Objectives are to teach the student their legal and ethical responsibilities in the preparation of contracts and specifications, and to make the student aware of ethical problems in the preparation of specification; bid documents and contracts. Emphasis of ethics of engineer-client agreements.

CGN 4851 Concrete Construction Materials (3) EN GX
PR: EGN 3365. Classification of cement and concrete. Design and testing of concrete mixes to produce desired properties.

CGN 4905 Independent Study (1-5) EN GX
PR: CC. S/U only. Specialized independent study determined by the student and needs approval of the student's advisor.

CGN 4911 Research in Civil Engineering and Mechanics (1-4)
PR: ENEG.

CGN 4914 Senior Project (2-5) EN GX
PR: CI. Problem-solving experience and training for seniors in research and/or design projects. Written final reports are required.

CGN 4933 Special Topics in Civil and Environmental Engineering and Mechanics (1-5) EN GX
PR: CI. New technical topics of interest to civil engineering students.

CGN 5933 Special Topics in Civil Engineering and Mechanics (1-5) EN GX
PR: CI. New technical topics of interest to civil engineering students.

CGS 2010 Computers in Mathematics Education (3) ED EDO
PR: CI. Admission to mathematics education program. Operation of computers. Basic and Logo languages. Examination and evaluation of software appropriate for teaching mathematics.

CGS 2060 SC Introduction to Computers and Programming in Basic 6A (3) EN ESB
PR: No credit for Engineering Majors. An overview of computer systems and their role in society. Survey of the evolution of computer software and hardware technology with emphasis on current applications. Introduction to programming using the BASIC language.

CGS 2062 Computers And Society (3) EN ESB
PR: No credit for Engineering Majors. For non-engineering majors only. This computer literacy course covers the fundamentals of hardware, software, and programming languages, presents a broad overview of data processing concepts, problems and applications for students with little or no computing background.

CGS 2100 Computers In Business (3) BA QMB
A survey of the use and impact of computers in all areas of business organizations. Course includes hands-on experience and the use of software packages for business analysis.

CGS 2260 SC Mini-Computer Applications (3) EN ESB

CGS 3414 Problem Solving Using Pascal or C 6A (3) AS MTH
PR: MAPS 3105. Introduction to Pascal or C with special emphasis on its applications to mathematics.

CGS 3462 SC Pascal Programming (3) EN ESB
PR: CGS 2060. No credit for Engineering Majors. Structured programming implemented with the PASCAL language. Emphasis on program structure and data manipulation.

CGS 3463 SC GPSS Simulation (3) EN ESB
PR: COP 2200. No credit for Engineering Majors. The development and execution of discrete event simulation models and real world systems using the GPSS language.
CGS 3464 SC Simscript Simulation (3) EN ESB

CGS 5765 Introduction to Unix and C (3) EN ESB

CHI 1120 Modern Chinese I (4) AS MLL
CR: CHI 1120L. Mandarin. An intensive study of basic skills: pronunciation, listening, comprehension, speaking, and some composition.

CHI 1120L Modern Chinese I Laboratory (4) AS MLL
CR: CHI 1120L. S/U only. 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 materials.

CHI 1121 Modern Chinese II (4) AS MLL
CR: CHI 1121L. Mandarin. PR: CHI 1120 or equivalent. A continuation of CHI 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

CHI 1121L Modern Chinese II Laboratory (4) AS MLL
CR: CHI 1121L. S/U only. 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 materials.

CHI 2200 Modern Chinese III (4) AS MLL
PR: CHI 1121 or the equivalent. For language students who intend to attain basic proficiency.

CHI 2201 Modern Chinese IV (4) AS MLL
PR: CHI 2200 or the equivalent. Continuation of CHI 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

CHI 4905 Directed Study (1-5) AS MLL
Departmental approval required. S/U only. Permits study options in Modern Chinese not available in the regularly scheduled curriculum and at departmental discretion.

CHM 2021 Chemistry For Today NS (4) AS CHM
No credit for science majors. PR: 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, quantitative relations in chemical reactions, technological aspects and societal impact.

CHM 2030 Introduction to General, Organic and Biochemistry (4) AS CHM
No credit for science majors. First half of a two-semester sequence. Fundamental concepts of general, organic, and biological chemistry.

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, thermochemistry, atomic-molecular structure and bonding, periodic properties of elements and compounds.

CHM 2045L General Chemistry I Laboratory (1) AS CHM
PR/CR: 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 2045L. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.

CHM 2200 Organic Chemistry (4) AS CHM

CHM 2210 Organic Chemistry I (3) AS CHM
PR: CHM 2046.CHM 2046L. Fundamental principles of organic chemistry. Lecture.

CHM 2210L Organic Chemistry I Laboratory (2) AS CHM

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

CHM 2932 Selected Topics in Chemistry (3) AS CHM
Topics of interest to students relating to chemistry and other sciences.

CHM 3120C Elementary Analytical Chemistry (4) AS CHM

CHM 3400 Elementary Physical Chemistry I (3) AS CHM
PR: CHM 2046, CHM 2046L, MAC 2281 or MAC 2311, PHY 2054, PHY 2054L. 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. CR: CHM 3400 and/or CHM 3401. A physical chemistry laboratory with emphasis on modern techniques and instruments. Lab.

CHM 3610 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 3610L Intermediate Inorganic Chemistry Laboratory (1) AS CHM
PR: Two semesters of general chemistry lecture and lab. CR: 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 catalytic techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

CHM 4130C 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 PHY2049. Thermodynamics, the states of matter, solutions. Lec.

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

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 4656 Independent Study (1-3) AS CHM
PR: Cl. 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: Cl. The course content will depend on the interest of faculty members and student demand.

CHM 4970 Undergraduate Research (1-3) AS CHM
PR: Cl. S/U only
CHM 5225 Intermediate Organic Chemistry (3) AS CHM
PR: CHM 2211, CHM 2211L, or equivalent or CI or GS. This course will
extend organic chemistry beyond the undergraduate level and
will emphasize concepts of stereochemistry and reaction mecha-
nisms.

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. Semes-
ter.

CHM 5425 Applications in Physical Chemistry (3) AS CHM
PR: CHM 4412 and CHM 4440 or CI or GS. Applications of chemical
to theory to chemical systems.

CHM 5452 Polymer Chemistry (3) AS CHM
PR: Either CHM 5111, CHM 5211, 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 CI or GS. Chemical forces, reactivity,
periodicity, and literature in organic chemistry; basic core course.
Lec.

CHM 5931 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, Heterocyclic Chemistry, etc.

CHS 4300 Fundamentals of Clinical Chemistry (3) AS CHM
PR: BCH 3033. Theoretical and practical aspects of the analysis
of various body fluids, with emphasis on the medical significance.
Clinical chemistry majors must take CHS 4301 concurrently. Lec.

CHS 4301L Clinical Laboratory (3) AS CHM
PR: BCH 3033 and CI. CHS 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. SU only. Laboratory practice in clinical chemistry laboratories
in the Tampa Bay area.

CIS 4250 Ethical Issues and Professional Conduct 6A MW (3)
ENESB
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)
ENESB
PR: CI. SU only. Specialized independent study determined by
the needs and interests of the student.

CIS 4910 Computer Science Project (2) EN ES
Projects intended 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) EN ES
PR: Senior standing.

CJT 4100 Criminal Investigation (3) AS CJP
PR: CCJ 3024 or CCJ 3610 or CI. Covers 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 (3) AS CLA
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 (3) AS CLA
Study of ancient Roman civilization with emphasis on social
customs, political institutions, and daily life.

CLP 3003 Psychology of Adjustment SS (3) AS PSY
Note: 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 application of learning principles, behavioral
measurement, research designs, and interventions in treatment
settings.

CLP 4503 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 includ-
ing standard, group, and criterion-referenced instruments.

CLT 3040 Scientific and Medical Terminology (3) AS CLA
A course in the Greek and Latin word elements used in science and

CLT 3101 Greek Literature in Translation 6A MW (3) AS CLA
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 CLA
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 CLA
Studies 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 roles, 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 Profes-
sions (3) AS SPE
For non-majors only. Identification of communication situations
in business and the professions. Analysis of variables relating to
communication. Communication in professorial oral presentations
in the form of informational reports, conference management,
persuasive communication, and public hearing.

COM 3120 Introduction to Communication Theory in
Organizations (3) AS SPE
PR: majors, COM 2000 or CI; non-majors, COM 3122 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,
analytical 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 take this course in conjunction with the mass lecture
COM 3122 offered during day. Interview laboratory for practice and
personal 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
social and cultural values on how stories are told; and to
explore the context of everyday life, romantic relationship, families,
institutions, and culture for communication. Includes a broad
range of communication methods and the power of story to
make sense of illness.

COM 4022 Health Communication (3) AS SPE
PR: GS. Application of communication theory and research to the
health context including pre-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 patterns of 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 communica-
tion 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 4912 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 semi-
nar 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
CR: COP 2002. Laboratory for implementation of algorithms in a
general purpose computer language.

COP 2000L Introduction to Computer Science (3) EN ESB
CR: COP 2000L. Introduction to the concepts of algorithmic formu-
lation of problems for computer solution and the general abstract
COP 1210 SC Cobol Programming I (3) EN ESB

COP 1211 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

COP 258 Programming Concepts (3) EN ESB
PR: COP 2000L. An examination of a modern programming language emphasizing programming concepts and design methodology.

COP 3514 Program Design (3) EN ESP
The class examines the concepts involved in program design and creation and serves as an introduction to programming in the C programming language.

COP 4020 Programming Languages (3) EN ESB
PR: EEL 4851C. An introduction to programming languages, survey of language translation, 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.

COP 4133 Symbolic Computations in Mathematics 6A (3) AS MTH
PR: MAS 3105 and MAP 2302 Students will write programs to solve problems in various areas of mathematics including calculus 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 2281 or equivalent. Introduction to set algebra, propositional calculus and finite algebraic structures as they apply to computer systems.

COT 4210 Introduction to Automata Theory and Formal Languages (3) EN ESB
PR: EEL 4851C. Introduction to the theory and application of various processes of computing devices and the languages they recognize.

COT 4400 Analysis Of Algorithms (3) EN ESB
PR: 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 (3) AS PG (3) POL
Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered.

CPO 5234 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 1A (3) AS ENG
PR: 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 3112 Fiction II 6A (3) AS ENG
PR: CRW 3111. CRW 3112. A fiction workshop which provides individual and peer guidance and direction for student writing and which also attempts to encourage the development of critical skills.

CRW 3311 Form and Technique of Poetry (3) AS ENG
An examination of the various elements of poetry from the sonnet through the sonnet to such various forms as the Rondel, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are 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 rhyed 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 and direction for the student’s writing and which also attempts to encourage the development of critical skills.

CRW 4120 Fiction III (3) AS ENG
PR: CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop wherein work may be carried over from CRW 3121 or longer forms such as the novel may be begun.

CRW 4320 Poetry III (3) AS ENG
PR: CRW 3311, CRW 3312, CRW 3321. An advanced poetry workshop wherein 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 to be covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works.

CWR 4103 Water Resources Engineering (3) EN EGE
PR: CWR 4202. 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 EGE
PR: EGN 3353. Fundamental and applied aspects of pipe flow, free surface flow, and hydraulic systems.

CWR 4810 Hydraulic Design (2) EN EGE
PR: CWR 4103, CWR 4202. Design of hydraulic systems, including drainage, water supply, and flood control.

CWR 4812 Capstone Water Resources Design MW (3) EN EGE
PR: CWR 4202, CWR 4103. A capstone water resources design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic 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 2112 Modern Dance (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 introducing dance vocabu-
lar'y, alignment, styles and simple rhythmic movement patterns.

DAA 2504 Jazz Dance (2) FA DAN
PR: Admission by placement audition, DAA 3204 or DAA 2104. A tec-
tnique course for the intermediate level dancer to become ac-
quainted with the dance styles and forms of musical theater and
concert jazz dance. Emphasis is on highly stylized movement on a
strong rhythmic base.

DAA 2550 Theatre Dance Styles (2) FA DAN
PR: DAA 3210 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,
waltz and other tap dance elements.

DAA 2570 Jazz Theatre Dance (3) FA DAN
PR: Admission by placement audition and DAA 3502. Continuation of
DAA 3502. Further emphasis on projection, phrasing, rhythmic
patterns and dynamics. Solo and ensemble studies leading to
performance.

DAA 3108 Modern Dance II (3) FA DAN
PR: Admission by placement auditio.n. 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 choreog-
raphy, leading to performance.

DAA 3204 Ballet II (3) FA DAN
PR: Admission by placement auditio.n. Positions and barre exer-
cises. Emphasis on correct alignment of the body and the application
of simple step combinations in center work. The use of ballet
vocabulary (French terms). Material is covered almost totally as
practical work in class with a few outside projects. Concert and
performance attendance required.

DAA 3294 Ballet Variations (1) FA DAN
PR: DAA 3209. This 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 repre-
senting various world cultures. In addition to a dance/movement
component, instruction 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 3614 Choreography I (2) FA DAN
PR: DAA 2611. CR: 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 3615 Choreography II (2) FA DAN
PR: DAA 3614 or CI. 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 sponta-
neously creating dance movement in individual and group situations.
Structured and unstructured approaches will be explored.

DAA 3654 Repertory (1) FA DAN
PR: Admission by audition or CC. The development and performance
of solo and/or group dances.

DAA 3686 Performance (1) FA DAN
PR: admission by audition or CC. Open to all university students
proficient in dance techniques and concurrently enrolled on Tech-
nique. Rehearsal and performance of works presented by the
department.

DAA 3800 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 pro-
tocies,创 approach, creative expression, and performance.

DAA 4206 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 adap-
tative quality and style. Students expected to be proficient in pointe work. Outside projects, concerts, and performances are required.

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 4702 Choreography III (2) FA DAN
PR: DAA 3615 or CI. CR: DAA 3106 or above. Work directed toward
duets and group dances. The student will submit choreographic ideas for instructor’s approval, then proceed with rehearsals. Lec-
lab., reading. Rehearsal hours to be arranged.

DAA 4790 Senior Project (1) FA DAN
PR: Senior Major, CI. Creation of an original group work and solo
within the student’s major concentration-ballet or modern. To be
completed and presented with the concurrence of a faculty advisor.

DAA 4920 Dance Studies (1-4) FA DAN
PR: CI and CC. Dance majors, with approval of the instructor, may extend
course work to extend competence in technique and performance of Dance through participation in special workshops.

DAE 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 4390 Dance Pedagogy: Theory And Practice (3) FA DAN
PR: CI. CC. Designed to provide prospective teachers with opport-
unities to develop concepts of pedagogy based on principles of
learning dance. Specific sections will focus on Secondary school,
Pre-K and Elementary Methods.

DAE 4397 Special Studies Dance Education (3) FA DAN
PR: CI and CC. PR: CI and CC. For majors and non-majors. Designed
for 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.

DAN 4936 Senior Seminar in Dance Education (2) FA CR:
DAN 4940. This course represents a synthesis of the teacher
Candidate’s courses and is required concurrently with the internship.

DAN 4940 Internship in Dance Education (1-12) FA CR:
DAN 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 regis-
tered for credit which accumulates from 9 to 12 semester hours.

DAN 2110 Introduction To Dance 6A FA (3) FA DAN
For majors and non-dance majors, a study of the 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 2150 Dance History Though the 19th Century 6A XLT
(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 4133 Dance History Though the 19th Century 6A XLT
(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. Students will be required to attend at least two dance performances.

DAN 4134 Dance History Though the 19th Century 6A XLT
(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 evalu-

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 topic 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 4941 Directed Study (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 EN
This is a study of the purposes, processes, organization, planning, directing, coordinating and evaluation of Distributive and Marketing Education Cooperative Programs.

DEC 4401 Special Teaching Methods: Distributive Education (4) ED EDV
Methods, techniques, and materials for skill development.

DEC 4936 Senior Seminar in Distributive and Marketing Education (2) ED EDV

DEC 4940 Internship: Distributive and Marketing Education (1-12) ED EDV
CR: DEC 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 3 to 12 semester hours.

DEC 4941 Supervised Field Experience: Distributive Education (1-6) ED EDV
Planned supervised functions in the area of specialization and coordinated with selected schools, government offices, social agencies, businesses and industries on site.

DEP 2004 The Life Cycle (3) AS GEY
An examination of the individuals and the physical, cognitive, personality, 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 child growth, including hereditary, environmental, psychological, and social determinants of child behavior.

DEP 4005 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 4135 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 on phonological, semantic, syntactic, and pragmatic development.

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 3023 Introduction to Process Engineering (3) EN ECH

ECH 3264C Transport Processes I (3) EN ECH
PR: ECH 3023. Design, sizing, and selection of fluid flow and heat transfer equipment to satisfy safety and process demands. Lecture/laboratory.

ECH 3702 Instrument Systems I (4) EN ECH
PR: EGN 3373. Application of discrete logic operations for sensor integration 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 Phase and Chemical Equilibria (3) EN ECH
PR: For majors, ECH 3023; for non-majors ECH 3023 or CHM 4410. Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Application to separation processes and reactor design. Lecture/laboratory.

ECH 4244L Chemical Engineering Laboratory II (2) EN ECH
PR: ECH 4413G, EGN 3702. Chemical Engineering Processes laboratory- fluid flow, heat transfer, phase and chemical equilibria, reacting systems, and process control.

ECH 4265C Transport Processes II (3) EN ECH
PR: ECH 3264C, ECH 4123C. Design, sizing, and selection of mass transfer equipment. Absorption, distillation, extraction, humidification. Lecture/laboratory.

ECH 4323C Automatic Control I (4) EN ECH

ECH 4414 Reacting Systems I (3) EN ECH
PR: CHM 4412, ECH 4265C, ECH 4440L. Equilibrium and rate phenomena in reacting systems. Description of homogeneous chemical reactors for design and control. Lecture/laboratory.

ECH 4465 Strategies of Process Engineering (3) EN ECH

ECH 4466 Plant Design and Optimization MW (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 5285 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. Estimation of transport and convective coefficients.

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 root locus and frequency response methods to study stability of control loops. The techniques of ratio, cascade, feed forward, selective, override, and multi-variable control techniques are discussed in detail and shown how to utilize to design control systems, z-transforms and discrete controllers including PID, Dahlin and deadline compensation.

ECH 5460 Theory and Practice of Biosystems (4) 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 biosystems.

ECH 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.

ECH 5746 Introduction to Biomedical Engineering (3) EN ECH
PR: Senior standing in engineering or CI. Open to non-engineering students with CI. Introduction to biomedical engineering, including transport phenomena in biomedical systems, biomaterials, biomedical instrumentation, prosthetic devices, and clinical engineering.

ECH 5747C Selected Topics in Chemical Engineering Biotechnology (1-3) EN ECH
PR: Senior standing in engineering or CI. Open to majors and non-majors with CI. Selected topics in chemical engineering biotechnology, including pharmaceutical engineering, recombinant enzyme technology, food engineering, and fermentation.

ECH 5748 Selected Topics in Biomedical Engineering (1-3) EN ECH
PR: Senior or GS in Engineering may be taken by non-engineering students with CI. Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ replacement systems.

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 5910 Directed Research in Bioengineering (1-3) EN ECH
PR: Directed research in an area of biomedical engineering or bioengineering technology.

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 ECO 2023/ECO 2033. Survey of Economic principles and issues. Scarcity, choice, markets, prices, the mon-
etomy, research, unemployment, inflation, international trade and finance.

ECO 2013 Economic Principles (Microeconomics) 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, balance of payments stability.

ECO 2023 Economic Principles (Microeconomics) SS (3) BA ECN
PR: ECO 2013. Introduction to the theory of price determination. How an economy decides what to produce, how to produce and how to distribute goods and services.

ECO 2935 Selected Topics in Economics (1-3) BA ECN
PR: CI. Not available for credit to upper-level students admitted to the College of Business. Topics selected by department.

ECO 3100 Managerial Economics (3) BA ECN
PR: ECO 2023. Application of microeconomic theory to problems in business decision making with a special focus on price determination.

ECO 3101 Intermediate Price Theory (3) BA ECN
PR: ECO 2023. The price system and allocation of scarce resources between competing uses.

ECO 3203 Intermediate Income & Monetary Analysis (3) BA ECN
PR: ECO 2013 and ECO 3101 with a grade of "C" or better. Determination of income, employment, prices, and interest rates. Aggregate demand and aggregate supply.

ECO 3603 American Economic History (3) BA ECN
PR: ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.

ECO 3703 International Economics MW (3) BA ECN
PR: ECO 3101 with a grade of "C" or better. Role of international trade in the U.S. economy. Gains from trade, balance of payments, exchange rate determination, balance of payments stability and international commercial policy.

ECO 4105 Advanced Price Theory (3) BA ECN
PR: 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, product and exchange efficiency, social welfare, and efficiency consequences of market and non-market allocation.

ECO 4201 Advanced Macroeconomic Theory (3) BA ECN
PR: ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.

ECO 4203 History Of Economic Thought (3) BA ECN
PR: ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.

ECO 4205 Advanced Political Economy MW (3) BA ECN
PR: ECO 1000 or ECO 2033 or CI. The political (left) and Marxist schools of thought in economics. Application of radical theory to problems of advanced capitalist and socialist societies.

ECO 4401 Introduction to Mathematical Economics (3) BA ECN
PR: ECO 3103, QMB 3200, and MAC 2233 or MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 4402 Introduction to Econometrics (3) BA ECN
PR: QMB 3200 with a grade of "B" or better. 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 specification errors.

ECO 4504 Public Finance (3) BA ECN

ECO 4713 International Monetary Relations (3) BA ECN
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.

ECO 4723 International Commercial Policies (3) BA ECN
PR: ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international eco-

ECO 4905 Independent Study (1-3) BA ECN
PR: CI. SU only. Specialized independent study determined by the student’s needs and interests.

ECO 4914 Independent Research (1-3) BA ECN
PR: CI. Individual study contract with instructor and department chairman required. The research project will be mutually deter-

ECO 4935 Selected Topics in Economics (1-3) BA ECN
PR: CI. Topics to be selected by the instructor or instructors on pertinent economic issues.

ECP 2001 Survey of Micro and Macroeconomics (3) BA ECN
A condensed introductory course in microeconomics and macroeconomics, intended for pre-business students. This course and ECO 2023 cannot both be taken for credit.

ECP 3201 The Economics of Women and Work MW (3) BA ECN
PR: ECO 1000, ECO 2013 or ECO 2023. Survey of research on women, men and work in the labor market and the household.

ECP 3302 Environmental Economics MW (3) BA ECN

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 anti-

ECP 3503 Economics of Health (3) BA ECN
PR: ECO 3101 with a grade of "C" or better. Application of economic methods to health care topics. 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 (3) BA ECN
PR: ECO 1000 or ECO 2023 or CI. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transpor-

ECP 4232 Collective Bargaining and Public Policy (3) BA ECN
PR: ECO 5 2023 or CI. Administration of labor management agree-

ECP 4451 Law and Economics (3) BA ECN
PR: ECO 2023 with a grade of "C" or better. Advanced analysis of the 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 2323. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions and corrections.

ECS 3013 Economic Development (3) BA ECN
PR: ECO 1000 or ECO 2033 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fas-

EDE 4301 Teaching Methods in the Elementary School (3) ED EDE
PR: EDE 4941 and EDG 4620. Techniques and strategies appropriate for the instruction of children in educational settings.

EDE 4905 Independent Study: Elementary Education (1-4) ED EDE
SU only. Specialized independent study determined by the student's needs and interests.

EDE 4909 Directed Study: Elementary Education (1-4) ED EDE
PR: Senior standing. To extend competency in teaching field.

EDE 4940 Internship: Elementary Education (10-12) ED EDE
PR: EDE 4941 and 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 Child Development Internship Level I (3) ED EDE
PR: Admission to the Elementary Education program. CR: RED 4310, EDG 4620. Concurrent enrollment in EDG 4620-Elementary Education only. Students spend six hours per week in a supervised in-school experience and attend weekly seminars.

EDE 4942 Child Development Internship Level II (6) ED 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 2005 Introduction to Education and Field Experience (3) ED EDF Introductory course survey required for admission into the College of Education. Survey 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) ED EDF
PR: General psychology and admission to College of Education. Preadolescent 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) ED EDF PR: General psychology and admission to College of Education. Application of respondent and operant learning principles to classroom learning and teaching models for instructional goals, analysis of teacher behavior, micro-teaching.

EDF 3228 Human Behavior and Environmental Selection 6A MW (3) ED EDF Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills.

EDF 3542 Philosophy of Education MW (4) ED 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) ED 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) ED EDF An introduction to child development and learning from an educational and psychological perspective. Emphasis is on the application of relevant constructs as they would reflect developmentally appropriate practices in early childhood learning settings.

EDF 4131 Learning And The Developing Adolescent (3) ED 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 classroom.

EDF 4430 Measurement For Teachers (3) ED EDQ PR: Upper level standing. Concepts and skills related to designing and developing 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) EDEDF PR: DPR, S/U only. Specialized independent study determined by the student’s needs and interests.

EDF 4909 Directed Study: Educational Foundations (1-3) ED EDF PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

EDF 5136 Adolescence (4) ED 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) EDF Principles for programming in several academic subjects.

EDF 5271 Teaching Diverse Populations and Field Experience (3) ED 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.

EDF 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, and secondary school teachers. Begins with a study of dramatic play as it relates to human development, the course includes basic strategies when using pantomime, voice improvisation, theatre games, and role playing and story dramatization.

EDG 4620 Curriculum and Instruction (3) ED 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. Begins with a study of dramatic play as it relates to human development, the course includes basic strategies when using pantomime, voice improvisation, theatre games, and role playing and story dramatization.

EDG 4909 Directed Studies (1-4) ED EDC PR: Senior standing. Offered only as a scheduled class. Department permit required. To extend competency in teaching field.

EED 5000 Introduction to Early Childhood Education (3) ED 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 LW (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.

EEC 4203 Programs for Young Children (3) ED EDU PR: Admission to College of Education. Early Childhood majors only. Describing new trends in the history and philosophy of education for young children. Emphasis will be on how science and mathematics are integrated throughout the curriculum and become valued functional tools.

EEC 4211 Integrated Curriculum: Science and Mathematics (3) ED 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.

EEC 4212 Integrated Curriculum: Social Sciences/Humanities & Art (3) ED EDU PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of the appropriate curriculum 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 understandings, values, and learning.

EEC 4300 Cognitive Experiences for Young Children (3) ED EDU PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Emphasizes the 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.

EEC 4303 Creative and Affective Experiences for Young Children (3) ED EDU PR: Admission to College of Education. Early Childhood majors only. Develops students’ understandings 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.

EEC 4408 Child, Family & Teacher Relations (3) ED EDU PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Focuses on developing an understanding of traditional and non-traditional families, structural and style variations and participation in diverse cultures and at-risk families. Implications from these understandings will guide development of a parent involvement plan that includes effective ways to communicate with parents, conference with parents, and plan parent meetings and family involvement.

ECC 4706 Language and Emerging Literacy (3) ED EDU PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Provides knowledge of language development and emerging literacy for typical and atypical development in children from birth to third grade, including ESL children.

ECC 4905 Independent Study: Early Childhood Education (1-4) EDEDU PR: S/U only. Early Childhood majors only. Specialized independent study determined by the student’s needs and interests.

ECC 4909 Directed Study: Early Childhood Education (1-3) ED EDU PR: Senior standing. To extend knowledge in teaching field.
EEL 4512C Introduction to Communication Systems (3) EN EGE
PR: EEL 3100. Signals and Fourier transforms in communication systems; measure of information in signals. AM, FM, and PM modulation and demodulation systems. Sampling, quantization and PAM, PCM, and PM. Data communication systems, modems, repeaters, timing circuits, and interfaces. Local networks.

EEL 4567 Electro-Optics (3) EN EGE
PR: EEL 3301L, EEL 3302L, EEL 3410. An introduction to the field of electro-optics, including visible and infra-red sources and detectors, radiometry, optical and electronic components, and fiber optics.

EEL 4576 Linear Control Systems (3) EN EGE

EEL 4705 Logic Design (3) EN ESB PR: EGN 3373, CR: EEL 4705L, for CS & E students CR or PR: COP 2002. Binary number systems; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; synchronous logic circuits in computers.

EEL 4705L Logic Laboratory (1) EN ESB CR: EEL 4705.

EEL 4743L Microprocessor Laboratory (1) EN ESB CR: EEL 4744. Laboratory for microprocessor use and evaluation.


EEL 4748 Microprocessor-Based System Design and Application (3) EN EGE PR: EEL 4744, EEL 4743L. Study of techniques for design of microprocessor-based systems used in various applications. Includes a project on development of an experimental application system.

EEL 4756 Signal and Image Processing (3) EN ESB Sampling and quantization of signals and images, frequency-domain representations, transforms, filtering, convolution, and correlation; raster scanning and interfacing; color images; fast methods and parallelism; multi-rate processing, information signs.

EEL 4781C Distributed Processing and Computer Networks (3) ENSB 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 4809 Independent Study (1-5) EN EGE PR: CI, S/U only. Specialized independent study determined by the students' needs and interests.

EEL 4905 Design Project MW (2) EN EGE PR: Senior standing. Required of all electrical seniors. An individual or team project involving the design of an electrical component system.

EEL 4935 Special Electrical Topics I (1-4) EN EGE EEL 4936 Special Electrical Topics II (1-4) EN EGE EEL 4937 Special Electrical Topics III (1-4) EN EGE EEL 4936 Special Electrical Topics II (1-4) EN EGE EEL 4937 Special Electrical Topics III (1-4) EN EGE EEL 5250 Power System Analysis (3) EN EGE Analysis technique for AC power systems.

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 PR: EEL 4305 or GS Design of analog circuits for CMOS/VLSI design. Op amps, comparators, D to A and A to D converters. Switched
capacitor filters. Analog simulation.

EEL 4582 Physical Basis Of Microelectronics (3) EN EGE
PR: EEL 3410 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.

EEL 5437 Microwave Engineering (3) EN EGE
PR: EEL 4411, EEL 4102, or GS Introduction to passive and active components, devices, and circuits, including transmission lines and waveguides, employed in microwave integrated circuits and systems.

EEL 5462 Antenna Theory (3) EN EGE
PR: EEL 4411 or GS Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elemental antennas and arrays.

EEL 5572C Local and Metropolitan Area Networks (3) EN EGE
PR: EEL 6534 or EEL 4512 or GS Basics of digital communication exchange of digital information over communication media; Basics of LANs/MANs and its components: media topologies, access methods, etc.; LAN/MAN architectures and protocols-IEEE 802.xLAN Standards; High speed LANs such as FDDI, IEEE 802.6 MAN, etc.; Internetworking; LAN/MAN Design and selection.

EEL 5681 Digital Control Systems (3) EN EGE
PR: EEL 4857 or GS Sample data and digital control processes

EEL 5754C Microprocessor Based Digital Signal Processing (3) EN EGE
PR: EEL 4705 or CC, Arithmetic systems, processing structures, efficient algorithms. DSP hardware, TI, NEC and other DSP micro-processors, multiprocessing hardware and software. System development. Application to telecommunications and voice processing.

EEL 5771 Introduction to Computer Graphics I (3) EN ESB
PR: CI, majors only. An introduction to the evolution of computer graphics including bit-mapping, line drawing, two-dimensional transformations and graphics software packages.

EEL 5935 Special Electrical Topics I (1-3) EN EGE

EEL 5936 Special Electrical Topics II (1-3) EN EGE

EEL 5937 Special Electrical 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 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 pre-requisites are included.

EEX 4221 Educational Assessment of Exceptional Students (3) ED EDS
PR: EEX 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 4504 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 classroom and other teaching skills.

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 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 (1-3) ED EDS
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 EDS
PR: Senior standing. DPR. To extend competency in teaching field.

EEX 4936 Senior Seminar in Exceptional Student Education (2) ED EDS

EEX 4940 Internship: Exceptional Student Education (1-10) ED EDS
CR: EEX 4936. S/U only. One full semester of internship in an accredited public or private school.

EEX 5705 Seminar in Preschool Handicapped (2) ED EDS
Fall and Spring Semesters. Intended to familiarize the education student with the wide range of needs and services of the preschool children with disabilities and their families and how they coordinate with educational services.

EEX 5782 Working With Families: A Pluralistic Perspective (3) ED EDS
PR: Introductory course in special education, GS. Spring Semester. The impact of the socio/cultural environment on the education of at-risk children and children with disabilities; family systems theory, principles of multi-cultural education, strategies for working effectively with families of school-age children, diverse cultures and family structures represented in school populations today.

EGL 5851 Nature and Needs of the Gifted (3) ED EDS
Fall 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 internationally. 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.

EGL 5325 Theory and Development of Creativity (3) ED EDS
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) EN EGB
Covers the evolution of technology and its influence on society from pre-historic 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 2092 History of Electrotechnology HP (3) EN EGB
PR: EGN 2049 or EGN 2054. Highlights of the history of electrotechnology and its role to the development of civilization. The contributions of Democritus, Franklin, Fourier, Maxwell, Edison, von Neumann, etc. in the context of the development of western civilization. The impact of communications, electronics, and computers in the twentieth century.

EGN 2210 Computer Tools for Engineers (3) EN EGB
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, but coverage will also be given to other engineering/mathematical tools such as equation solving tools and spreadsheets.

EGN 3000 Foundations of Engineering (1) EN EGB
CR: EGN 3000L. 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 3000L Foundations of Engineering Laboratory (2) EN EGB
CR: EGN 3000. 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 3311 Statics (3) EN EGB
PR: PHYS 2408. Principles of statics, mechanical equilibrium, forces, moments, plane trusses. Lec.-pro.

EGN 3321 Dynamics (3) EN EGB
PR: EGN 3311. Dynamics of particle systems; kinetics and kinetics for rigid bodies. Lec.

EGN 3331 Mechanics of Materials (3) EN EGB
PR: EGN 3311. Stress, strain, Hooke’s Law; torsion, beam, column analysis, combined stresses; inelastic effects, limit design. Lec.
EGN 331L Mechanics of Materials Laboratory (1) EN EGB
EGN 3343 Thermodynamics I (3) EN EGB
PR: PHY 2049. Axialimotive introduction to thermodynamic concepts of energy, heat, work and thermodynamics of ideal and real substances. Applications: power production and refrigeration, phase equilibria.
EGN 3353 Basic Fluid Mechanics (3) EN EGB
EGN 3365 Materials Engineering I (3) EN EGB
PR: CHM 2016 or 2015L. Study of the structure and properties of engineering materials, i.e., metal, ceramic and polymer systems. Environmental effects are also treated.
EGN 3373 Introduction to Electrical Systems I (3) EN EGB
EGN 3374 Introduction to Electrical Systems II (3) EN EGB
PR: EGN 3373. Continuation of EGN 3373.
EGN 3375 Introduction to Electrical Systems III (3) EN EGB
PR: EGN 3373. Continuation of EGN 3373.
EGN 3433 System Dynamics (3) EN PR
PR: EGN 3321, EN 4450, PHY 2049. Dynamic analysis of electrical, mechanical, hydraulic, and thermal systems; LaPlace transforms; numerical method; use of computers in dynamic systems.
EGN 3443 Engineering Statistics I (3) EN EGB
PR: MAC 2311. Study of the basic concepts of statistical analysis with special emphasis on engineering applications.
EGN 3613C Engineering Economy I (3) EN EGB
A study in analyzing the economic limitations imposed on engineering activities using basic models which consider the time value of money.
EGN 4366 Materials Engineering II (3) EN EGB
PR: EGN 3365. Applications and structure property relationships of commonly used engineering materials. Steel, nonferrous alloys and their welding, heat treatment and processing. Introduction to ceramic and polycrystalline materials.
EGN 4470 Numerical Methods of Analysis (2) EN EGB
EGN 4480 Introduction to Linear Systems (2) EN EGB
PR: MAC 2282. Study and application of matrix algebra, differential equations and calculus of finite differences.
EGN 4831 Technology and Society MW (3) EN EGB
Non-technical survey of engineering activities: utilities, nuclear power, genetics, space, etc. Students conduct individual in-depth study of environmental/ethical problem.
EGN 4905 Independent Study (1-5) EN EGB
PR: CI. Special independent study determined by the students' interests and needs.
EGN 4930 Special Topics in Engineering (1-3) EN EGB
PR: CI. New technical topics of interest to engineering students.
EGN 5421 Engineering Applications for Vector Analysis (3) EN EGB
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
PR: Exemption or passing exam. This course uses the AutoCAD 2010R14 software.
EGS 3192 Technology Education and Society (4) ED EDV
Introduction to programs, facilities and opportunities in teaching Technology Education. Includes historical, current and futuristic implications of technology in society.
EGS 4360 Special Teaching Methods: Technology Education (3) ED EDV
Equips 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.
EGS 512C Work Analysis (3) EN EGB
PR: EGN 3913C, EGN 3443. CR: AGC 3074, Operation analysis and workforce design, work measurement, standard data, ergonomics, and labor costing.
EGS 4313C Human Factors (3) EN EGS
Design of man-machine systems, by taking into consideration both human and machine capabilities and limitations.
EGS 4333 Production Control (3) EN EGS
PR: ESI 4312G. Planning and control of production systems. Includes: forecasting and inventory control models, scheduling and sequencing, MRP, CPM/PERT, and resource requirements.
EGS 4364C Facilities Design I (3) EN EGS
PR: EIN 4312C, EIN 4411. Design and modification of industrial production and material handling facilities. Basic analysis techniques, use of computer programs, automated warehousing.
EGS 4365 Facilities Design II MW (3) EN EGS
PR: EIN-4364. CAD/CAM, 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.
EGE 4411 Manufacturing Processes (3) EN EGS
PR: EGN 3365. The study of basic manufacturing processes and precision assembly. CAD/CAM including NC programming.
EGE 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.
EGE 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.
EGE 4945 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 fundaments of planning, organizing and leadership as needed by engineers, scientists, and other professionals considering 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.
EIV 4210 Program Management: Industrial-Technical Education (4) ED EDV
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
PR: ETV 4635 or CI.
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 educational programs.
ELD 4011 Introduction to Specific Learning Disabilities (3) ED EDS
PR: EEX 4011 or DPR. Characteristics, needs and abilities of children with SLDD. Emphasis is on theories, issues, trends, and philosophy of problems for such children.
ELD 4905 Independent Study: Specific Learning Disabilities (1-3) EDS
PR: DPR. SU only. Specialized independent study determined by student’s needs and interests.

ELD 4909 Directed Study: Specific Learning Disabilities (1-3) EDS
PR: Senior standing. To extend competency in teaching field.

ELD 4941 Undergraduate Supervised Practicum in SLD (1-6) EDEDS
PR: EEX 4011. SU only. DPR. Supervised field experiences in assessment, behavior management and clinical teaching with classes for children who have specific learning disabilities.

ELR 3301L Laboratory 1 (1) EN EGE
PR: EGN 3373.

ELR 3302L Laboratory 2 (1) EN EGE
PR: ELR 3301L and EEL 3302. CR: EEL 4305.

ELR 4306L Laboratory 4 (1) EN EGE
PR: ELR 3301L CR: EEL 4411.

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 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. Objectives include the use and evaluation of educational software, classroom use of computers, instructional computing research, generic applications software (word processors, database managers, etc.), programing, disk operating systems, and microcomputer hardware.

EME 3041 Computational Methods (3) EN EGR
PR: EGN 2210, EGN4450. Techniques to solve engineering problems using numerical methods and digital computers. Topics include roots of equations, simultaneous linear equations, numerical integration, and curve fitting.

EME 3262 Kinematics and Dynamics of Machinery (3) EN EGR
PR: MAC 2282, PHY 2048, EGN 3321. Kinematics of machines and mechanisms; motion, velocity, and acceleration analysis of mechanisms; cams, gear trains, inertia forces in mechanisms, flywheels, balancing of rotating masses.

EME 3303 Mechanical Engineering Lab I (3) EN EGR

EME 3500 Machine Analysis and Design I (3) EN EGR
PR: EGN 3311, EGN 3365. Stress and deflection analysis of machine parts, variable loads, endurance limits, fasteners, bearings, power transmission, code consideration of pressure and vacuum vessels, elements of design.

EME 3701 Fluid Systems (3) EN EGR
PR: EGN 3343. Principles of fluid flow; piping and duct systems; fluid machinery; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EME 4031 Visual Basic for Engineers and Scientists (3) EN EGR
PR: EGN 2210. Introduces students to the powerful graphical interface language of Visual Basic. Illustrates the use of the language in engineering and science applications.

EME 413C Thermal Systems and Electronics (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.

EME 4142C Heat Transfer I (3) EN EGR
PR: 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.

EME 4220C Vibrations (3) EN EGR

EME 4302 Mechanical Engineering Laboratory II (3) EN EGR
PR: EML 3303, EML 4142C. Continuation of EML 3303 with emphasis on material and energy balances, stress analysis and vibrations. Lec.-lab. The Team-Project-Time Approach.

EME 4312 Mechanical Controls (3) EN EGR

EME 4414 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.

EME 4419C 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 topics. Special topics for class discussion.

EME 4501 Machine Design (3) EN EGR
PR: EML 3500, EML 3262. Continuation of EML 3500. Antifriction bearings, journal bearings, power transmission, shafting.

EME 4551 Capstone Design MW (3) EN EGR
PR: EML 4501. Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS and CAD.

EME 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.

EME 4562 Introduction to Composite Materials (3) EN EGR
PR: EML 3500 and EGN4450. The course introduces manufacturing types and applications of advanced composites. Students study micromechanical and macromechanical behavior of a lamina and analyze and design a laminated structure made of advanced composite materials.

EME 4601 Air Conditioning Design (3) EN EGR

EME 4905 Independent Study (1-4) EN EGR
PR: Consent of the student. Specialized independent study determined by the student’s needs and interests.

EME 4930 Special Topics in Mechanical Engineering (1-4) EN EGR
PR: CC.

EME 5245 Tribology (3) EN EGR
PR: EML 4501 introduction to friction, lubrication and wear. Contact of real surfaces, mechanics of friction, surface failures, boundary lubrication fluid properties, thin film lubrication, thick film lubrication, bearing and lubricant selection.

EME 5325 Mechanical Manufacturing Processes (3) EN EGR
PR: CI. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.

EME 5422 Internal Combustion Engines (3) EN EGR
PR: EML 4106C 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.

EME 5930 Special Topics III (1-4) EN EGR
PR: CC.

EME 5931 Special Topics IV (1-4) EN EGR

EMR 4011 Introduction to Mental Retardation (3) ED EDS
PR: EEX 4011. DPR. Introduction to the classification, diagnosis, characteristics, and treatment of children with mental retardation.

EMR 4320 Educating the Severely/Profoundly Handicapped (3) EDES
PR: EMR 3011 or DPR. Emphasis on educational methods and
materials for teaching children with severe/profound handicaps.

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 (1-6) ED EDS
PR: EEX 4011. S/U only. DPR. Supervised field experiences in assessment, behavior management, and clinical teaching with mentally retarded children. 30 clock hours.

ENC 1101 Freshman English I 6A EC (3) AS ENG
ENC 1101 and ENC 1102 must be taken in numerical sequence. Instruction and practice in the skills of writing and reading.

ENC 1102 Freshman English II 6A EC (3) AS ENG
PR: ENC 1101. Instruction and practice in the skills of writing and reading.

ENC 1121 Freshman English: Honors 6A EC (3) AS ENG
Reserved for students in the University’s Honors Program. Honors Section of ENC 1101.

ENC 1122 Freshman English 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 1100 and ENC 1102 or ENC 1121 and ENC 1122. Effective presentation of technical and semi-technical information.

ENC 3211 Communication for Engineers (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.

ENC 3260 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; physical 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 compelling prose, with special emphasis on style, logical reasoning, and critical thinking.

ENC 4931 Selected Topics in Professional and Technical Writing (3) AS ENG
PR: ENC 2125, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student 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 which influenced them.

ENG 4096 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.

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 figures as Beowulf, Chaucer, Malory, More, Hooker, Skelton, Wyatt, Sidney, Spenser, Shakespeare, Donne, and Jonson.

ENL 3230 British Literature 1616-1780 (3) AS ENG
A survey of 17th Century and Neoclassical Literature, including such figures as Dryden, Pope, Johnson, Swift, Defoe, Swift, Johnson, Boswell, and Goldsmith.

ENL 3251 British Literature 1780-1900 (3) AS ENG
The poetry and poems of the Romantic figures, with attention to the continuing influence of contemporary affairs and letters; a survey of representative figures of the Victorian and Edwardian periods, including poetry, prose, and drama.

ENL 3273 British Literature 1900-1945 (3) AS ENG
Survey of poetry, drama, and fiction of such writers as Eliot, Yeats, Thomas, Conrad, Shaw, Joyce, Lawrence, Huxley, Woolf, Forster, Waugh, Owen, Auden, O’Casey, and others.

ENL 3323 Shakespeare from an Historical Perspective (3) AS ENG
Examines the plays of Shakespeare from Rome and Juliet to Othello as manifestations of the social, political, and intellectual forces of the time. Lectures will be available on audio tapes.

ENL 3331 Early Shakespeare (3) AS ENG
A study of from five to eight of Shakespeare’s comedies, histories, and early tragedies, ending with Hamlet. Special attention to developing the student’s ability to read and interpret the text.

ENL 3332 Late Shakespeare (3) AS ENG
A study of from five to eight of Shakespeare’s problem plays, major tragedies, and late romances. Special attention to developing the student’s ability to read and interpret the text.

ENL 4122 British Novel through Hardy (3) AS ENG
A study of early and later British novels such as Fielding, Smollett, Sterne, Austen, Scott, Dickens, Eliot, and Hardy, among others.

ENL 4132 British Novel: Conrad to the Present (3) AS ENG
A critical study of British fiction from 1900 to the present, with emphasis on such writers as Conrad, Lawrence, Joyce, Woolf, Huxley, Orwell, Burgess, Murdoch, Golding, and others.

ENL 4171 History of British Drama to 1912 (3) AS ENG
A study of the history of British Drama from its liturgical origins to the beginning of the twentieth century, exclusive of Shakespeare. Included are the mystery and morality plays, and representative works by Marlowe, Jonson, Middleton, Dryden, Congreve, Sheridan, and Wilde, and others.

ENL 4303 Selected Authors (3) AS ENG
The study of two or more major figures in British Literature. The course may include such writers as Fielding and Austen, Keats and 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 perspectives.

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 MLL
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 MLL
PR: ENS 1483 or CI. A continuation of ENS 1483. Emphasis on reading and composition.

ENS 4011 Environmental Engineering (3) EN EGX
CR: ENG 3353. An introduction to various aspects of environmental problems faced by today’s society. Topics covered are: air pollution, water pollution, noise pollution, solid waste management, ionizing radiation, disease transmission, and food protection.

ENV 4004 Environmental Engineering Laboratory (1) EN EGX
PR: ENV 4400 Laboratory experience in the measuring of environmental parameters.

ENV 4101 Air Pollution Control (3) EN EGX
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 4351 Solid Waste Engineering (2) EN EGX
Introduction to the principles of integrated municipal solid waste management, waste minimization, recycle and disposal options. Design of landfill disposal systems.

ENV 4400 Chemical Aspects of Environmental Engineering (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: EGN 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 4503 Environmental Unit Processes (3) EN EGX
PR: ECH 3023, EGN 3353, EN 300. 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 4791 Capstone Environmental Design MW (3) EN EGX
PR: ENV 3001, ENV 4004, ENV 4417, ENV 4552. A capstone environmental design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water treatment and water transport systems and wastewater and collection systems. The course emphasizes the design procedure normally used in engineering practice.

ENV 5105 Air Resource Management (3) EN EGX
PR: CI Air pollution impacts on quality, modeling, regulatory approaches, source, strategic controls and surveillance.

ENV 5345 Solid and Hazardous Waste Control (3) EN EGX
PR: CI Introduction to solid and hazardous waste management; recovery and disposal, waste types, waste characterization, and waste collection. Disposal techniques, facility siting, volume reduction, landfill design, incineration and heat recovery, contaminant generation and transport, remedial action.

ENV 5614 Environmental Risk Analysis (3) EN EGX
PR: CI Study of comprehensive application of risk analysis techniques for environmental control and protection purposes.

ENY 3004 Introduction to Entomology (3) AS BIO
PR: BSC 2010 and BSC 2011. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Lec.-lab.

ENY 5605 Aquatic Entomology (3) AS BIO
PR: ENY 3004 or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on life forms. Lec.-lab.

EPH 5051 Advanced Theories in Motor and Physical Disabilities (3) ED EDS
PR: EEX 4011 or DPR. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system covering motor, sensory, language and psychological disorders.

EPH 5321 Educational Strategies for Physically and Multihandicapped Students (3) ED EDS
PR: EPH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.

ESI 416C Computers in Industrial Engineering (3) EN EGB

ESI 4221 Industrial Statistics and Quality Control (3) EN EGX
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 EGX
PR: EGN 3443. Activity forecasting models and control. Design and use of inventory control models, box designs applicable to engineering analyses. Analysis of variance and regression.

ESI 4312 Deterministic O. R. (3) EN EGX
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 4313 Probabilistic O. R. (3) EN EGB

ESI 4523 Industrial Systems Simulation (3) EN EGX
PR: ESI 4313. A study of the development and analysis of computer simulation models: Monte Carlo, time-scale, and next-event. Introduction to special purpose simulation languages.

ESI 4905 Independent Study (1-5) EN EGX
PR: CI. SU only. Specialized independent study determined by the student’s needs and interests.

ESI 4911 Senior Project (2) EN EGX
PR: EIN 4384, CR: EIN 3333, 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, with chairman’s approval.

ESI 5105 Statistical Methods For Engineering Managers (3) EN EGS
Not open to students who have had EGN 3443. Study of statistical methods applied to engineering management problems involving estimation, data collection and prediction under conditions of uncertainty.

ESI 5236 Reliability Engineering (3) EN EGX
PR: ESI 5219 or equiv., majors only or EGN 3443 or equivalent. Fundamental concepts of reliability. Estimation of reliability of systems and components. Measures of availability, maintainability and reliability.

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 or Linear programming, non-linear programming, queuing, inventory, network analysis.

ESI 5470 Manufacturing Systems Analysis (3) EN EGX
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 optimization.

ESI 5522 Computer Simulation (3) EN EGX
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: CC. No credit for Engineering Majors
ETG 4932 Special Topics in Technology II (1-5) EN ESB
PR: CC. 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 projects.

EUH 2011 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.

EUH 2012 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.

EUH 2021 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.

EUH 2022 Medieval History II HP (3) AS HTY
A thematic survey of the Middle Ages. EUH 2022 treats the mature medieval civilization, circa 1050-1500.

EUH 2030 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.

EUH 2031 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.

EUH 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.

EUH 3161 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 man’s changing conception of himself and his world.

EUH 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.

EUH 3188 Medieval Society (4) AS HTY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsmen, and the agrarian-urban economy and society which affected their lives.

EUH 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.
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.

EVR 4909 (Independent Study) (1-8) AS ESP
To provide advanced students with the opportunity for independent study in areas of specific interest.

EVR 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) EDE0V
An overview of current policies and principles in vocational education including their historical, sociological, and philosophical bases. Required of majors and non-majors.

EVT 4084C Professional Development in Industrial Technical Education (1-3) ED EDV
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 4165 Curriculum Construction: Industrial-Technical Education (4) ED EDV
Design, 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 4263 Organization And Administration Of Student Vocational Organizations (1-4) ED EDV
Includes the organization and administration of the local student vocational organization in industrial, health occupations, business and distributive education.

EVT 4365 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 methodologies, includes selection of techniques for situations.

EVT 4367 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 4562 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 4651 Equitable 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 occup-
ations. Planned supervised functions in the area of specialization and
related agencies, businesses and industries on site.

EXP 4204C Perception (3) AS PSY
PR: PSY 3213 with a grade of C or better. Topics include sensory and
physiological basis 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 or PSY 4304 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
Open to both majors and non-majors. Exploration of the history of creative filmmaking from its beginnings to the present time.

FIL 3004 The Film as Mass Communication I: Syntax (3) AS COM
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 3400 The Film as Mass Communication II: Rhetoric and
Stylistics (3) AS COM
PR: FIL 3004 or DPR. A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture
taking for motion picture purposes.

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 COM
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: PSY 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 student who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Surveys 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 principles and techniques of the security markets in the U.S. and the risks and returns of alternative investment media. Designed for non-business administration students.

FIN 2835 Selected Topics in Finance (1-6) BA FIN
PR: CI. Not available for credit to upper level students who have been admitted to the College of Business Administration. Topics to be selected by department chair.

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

FIN 3403 Principles of Finance (3) BA FIN
PR: ACG 2071 or CI and ECO 2023. Study of the processes, decisions, structures, objectives, and arrangements concerned with the use and acquisition of funds by a firm. Emphasizes 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 or CI. Study of factors affecting international business, assessment of risks, international managerial finance, institutions and instruments of international business finance.

FIN 4245 Federal Reserve System and Monetary Policy (3)
BAFIN
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 savings allocation, investment, and
financial decision making processes.

FIN 4324 Bank Management (3) BA FIN
PR: FIN 3403 and FIN 3233. Application of traditional finance concepts to the management of commercial banks with emphasis on decision making and problem solving techniques to major problem areas in banking.

FIN 4412 Working Capital Management (3) BA FIN
PR: FIN 3403. This course is designed to provide the student with an understanding of short-term financial management. 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 structure, capital budgeting, and mergers and reorganization.

FIN 4443 Financial Policies and Strategies (3) BA FIN
PR: FIN 4441. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.

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 flow, 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 survey of security analysis and
FIN 4905 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 contract 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
PR: CI. Topics to be selected by instructor and department chairperson on pertinent finance issues.

FLE 4314 Foreign Language Teaching in the Elementary School
PR: EDG 4620 or concurrent registration. Fluency in target language and in English. Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-5 classroom.

FLE 4315 Teaching students with Limited English Proiciency (3) ED EDX
This course is designed to prepare preprofessional teachers to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for students with Limited English Proficiency.

FLE 4333 Foreign Language Teaching in the Secondary School (3) ED EDX
PR: FLE 4314. Fluency in the target language and in English or DPR. Methods of teaching foreign languages within a communicative framework. Includes examination and practice of current instructional techniques in listening, speaking, reading and writing skills, testing, error correction, and computer assisted language instruction. The emphasis is on teaching foreign languages and teaching for cultural understanding at the secondary level, 7-12.

FLE 4370 Practicum in Foreign Language Teaching in the Secondary School (3) ED EDX
PR: Senior standing or enrollment in Plan II Master's Program or DPR. Required concurrently with FLE 4314 or FLE 4333. Fluency in the target language and in English. Pre-internship field experience in a K-12 environment. Will include observation and practice in a K-12 classroom as well as class meetings.

FLE 4376 Senior Seminar in Foreign Language Education (2) EDEDX

FLE 4940 Internship: Foreign Language Education (1-12) ED EDX
Intern takes Senior Seminar in Education concurrently. S/U only. One full semester of internship in a public or private school.

FOL 3100 General Foreign Language I (1-4) AS MLL
A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or in professional training.

FOL 4101 General Foreign Language I (1-3) AS MLL
A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or for workshops in professional interpreting.

FOL 4905 Directed Study (1-3) AS MLL
Departmental approval required.

FOL 5906 Directed Study (1-3) AS MLL
PR: FOL 4101 or equivalent.

FRE 1040 French For Reading (3) AS MLL
Designed to provide a reading ability in French that will support research in other disciplines. Primarily for graduate students.

FRE 1120 Beginning French I (4) AS MLL
CR: FRE 1120L. The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

FRE 1120L Beginning French I Laboratory (1) AS MLL
CR: FRE 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.

FRE 1121 Beginning French II (4) AS MLL
PR: FRE 1120 or equivalent. CR: FRE 1121L. A continuation of FRE 1120.

FRE 1121L Beginning French II Laboratory (1) AS MLL
CR: FRE 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.
FRW 5286 The 20th Century Novel (3) AS MLL
PR: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.
FRW 5314 Classical Drama (3) AS MLL
PR: FRW 4101. Corneille, Moliere, and Racine.
FRW 5415 Life of the Middle Ages (3) AS MLL
PR: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.
FRW 5445 Literature of the Renaissance (3) AS MLL
PR: FRW 4100: The classical tradition and the new currents of thought in the Age of Enlightenment.
FRW 5528 Pre-Romanticism (3) AS MLL
FRW 5535 Romanticism and Early Realism (3) AS MLL
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 MLL
PR: FRW 4100 or FRW 4101 A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and other major figures of the period.
FRW 5534 Selected Topics (1-3) AS MLL
PR: Upper-level or graduate standing. Study of an author, movement or theme.
GEA 2000 Global Geography SS HP AF (4) AS GPY
Comparative and analytical description of representative regions of the world with emphasis on cultural, political, economic, environmental, and physical geography.
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
GEB 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.
GEB 2935 Selected Topics in Business (1-6) BA GBA
Topics to be announced by department chairs.
GEB 4890 Business Policy MW (3) BA GBA
PR: Senior standing and FIN 3403, MAN 3025, MAR 3023. The course is organized to provide a unified 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. SU only. Specialized independent study determined by the student's needs and interests.
GEB 4915 Independent Research (1-4) BA GBA
PR: CI. Individual study contract 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
Applications of basic geographic 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 projections.
GEO 2371 Introduction to Earth Systems Science NS (3) AS GPY
For non-majors only. The application of basic earth system science analyses to environmental problems, including human activities on the surface of the earth at local and global scales.
GEO 3013 Introduction to Physical Geography NS (3) AS GPY
CR: 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 314C 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, siting, structure, and hinterland are considered.
GEO 4114C Geographic Techniques and Methodology (4) AS GPY
PR: 12 credit hours in Geography or CI. Selected topics in geographic techniques and methodologies and their application.
GEO 4131C Remote Sensing of the Environment (4) AS GPY
PR: GEO 3404C and GEO 314C, or CI. Analysis of satellite images and other types of remote sensing data and their use in geographic studies of the environment.
GEO 4151C Geographic Information Systems (4) AS GPY
PR: GEO 3140C and GEO 3164C, or CI.
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 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 3013 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 3164 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, tsunamis, 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. Theoretical relationships of culture and nature, from ancient times to the present.
GEO 4470 Political Geography MW (4) AS GPY
PR: GEO 3402 or CI. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions: geopolitics.
GEO 4502 Economic Geography (4) AS GPY
PR: GEO 3402 or CI. The spatial organization of economic production, consumption, and exchange systems.
GEO 4604 Advanced Urban Geography MW (4) AS GPY
PR: GEO 3402, GEO 3602, or CI. Intensive examination of issues such as economic restructuring and inner-city decline, ghetto formation, gentrification, transportation, and policy-making.
GEO 4700 Transportation Geography (4) AS GPY
PR: GEO 3402 and GEO 3164 or CI. General concepts related to the movement of goods and people, with particular emphasis on spatial transportation principles and urban planning.
GEO 4900 Directed Reading (1-4) AS GPY
PR: 20 hours in geography and CI prior to registration.
GEO 4910 Individual Research (1-4) AS GPY
PR: 20 hours in geography and CI prior to registration.
GEO 5134C Advanced Remote Sensing (3) AS GPY
PR: GS in Geography or CI. GEO 4124C. Study of digital image processing techniques. Topics include filtering techniques, geometric and radiometric normalization, and classification algorithms with emphasis on developing.
GEO 5157 Advanced Geographic Information Systems (3) AS GPY
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
GEO 5177 GIS for Non-Majors (3) AS GPY
An introduction to the concepts underlying digital thematic mapping and geographical information systems (GIS) for non-geography majors and non-geography graduate students.

GEO 5215 Advances in Geomorphology (3) AS GPY
PR: GEO 4372 or CI. Advanced examination of geomorphic processes and landforms with an emphasis on Florida.

GEO 5263 Advances in Soils (3) AS GPY
PR: GEO 4372 or CI. Examination of how earth systems influence soil formation and variation. Details analysis of soils clisosequences, biosequences, toposequences, lithosequences, chronosequences, and anthroposequences.

GEO 5289 Hypogean Systems (3) AS GPY
PR: GEO 4372 or CI. A systematic approach to hydrology using the drainage basin as the fundamental unit of analysis is used to explore form and process, while modeling streamflow.

GEO 5347 Advances in Natural Hazards (3) AS GPY
PR: GEO 4372 or Cl. Analysis of natural hazards integrating principles of physical, social, economic, political, and technical forces that affect extreme geophysical events.

GEO 5755 Advanced Political Geography (3) AS GPY
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 making.

GEO 5545 Advanced Economic Geography (3) AS GPY
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.

GEO 5805 Contemporary Urban Issues (3) AS GPY
PR: GEO 3802, GEO 4604, or CI. Advanced survey of urban issues such as: industrial restructuring and urban degeneration, inner-city ethnic relations, the geopolitics of urban governance, and urban culture.

GEO 5704 Advanced Transportation Geography (3) AS GPY
PR: GEO 4414, GEO 4470, 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.

GER 1120 Beginning German I (4) AS MLL
CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of German.

GER 1120L Beginning German I Laboratory (1) AS MLL
CR: 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.

GER 1121 Beginning German II (4) AS MLL
PR: GER 1120 or equivalent. CR: GER 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing German.

GER 1121L Beginning German II Laboratory (1) AS MLL
CR: 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.

GER 2200 German III (3) AS MLL
PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.

GER 2201 German IV (3) AS MLL
PR: GER 1121 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.

GER 2240 Conversation I (3) AS MLL
PR: GER 1121. For development of basic conversational skills.

GER 3420 Composition I (3) AS MLL
A fundamental course for students who have completed GER 2200 or GER 2201.

GER 3500 German Civilization (3) AS MLL
PR: GER 2200 or GER 2201. Readings in German on the cultural history of Germany.

GER 4410 Conversation II (3) AS MLL
Free conversation based on the current German idiom.

GER 4421 Composition II (3) AS MLL
Critical approach to the modern German language and differences of style.

GET 3100 German Language in English Translation MW (3) AS MLL
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.

G EW 4100 Survey of German Literature I (4) AS MLL
Old German and High German literature in modern German translation; the literature of Humanism and Baroque, the classical period.

G EW 4101 Survey of German Literature II (4) AS MLL
The romantic period, 19th and 20th centuries.

G EW 4900 Directed Study (1-3) AS MLL
Departmental approval required.

G EW 4930 Selected Topics (1-3) AS MLL
PR: GEO 5475 or CI. Study of an author, movement or theme.

G EW 4547 20th Century Literature to 1945 (3) AS MLL
A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthall, George Rilke, Kraus, Hesse, Kafka, Benn, Brecht.

G EW 4549 20th Century Literature: 1945 to Present (3) AS MLL
Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.

G EW 5515 The Enlightenment (3) AS MLL
Selected dramas and critical writings by Lessing, Wieland, Kant.

G EW 5545 Romanticism (3) AS MLL
Selecte works by Goethe, Schiller, Grabe, Buchner, Hebbe, Heine, Immennar, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Morike.

G EW 5934 Selected Topics (1-3) AS MLL
PR: Upper-level or graduate standing. Study of an author, movement or theme.

G EW 2000 Introduction to Gerontology SS (3) AS GEY
This course is designed to be an introduction to the study of aging. The aging process is viewed from a multi-disciplinary perspective including the biological, psychological, and sociological aspects of aging.

G EW 3323 Community Services for Older Adults (3) AS GEY
This class is designed to examine organizations that provide community services to older adults and professionals, including innovative programs. Students will learn how to provide referrals to existing services as well as ways to develop new programs to address unmet needs of the elderly.

G EW 3601 Physical Changes and Aging (3) AS GEY
A survey of normal and pathological physical changes occurring from middle age through older age. Course emphasis will be on basic age-related changes and their implications for behavior in older age.

G EW 3625 Sociocultural Aspects of Aging 6A SS AF (3) AS GEY
Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosophic, and demographic aspects of aging, theories of social gerontology, attitudes toward aging and the aged, cross-cultural perspectives on aging, the sociology of retirement, and aging and the community.

G EW 4322 Gerontological Case Management (3) AS GEY
This course examines the role and function of case management in meeting the care needs of the older adult. All aspects of case management practice are covered, including the elements of the case management process as well as ethical and legal issues.

G EW 4327 Long-Term Care Administration I (3) AS GEY
PR: GEY 3000 A survey of Long Term Care (LTC) environments. Explored are such issues as definitions of LTC, physiological conditions of LTC uses, the institutional setting, the sociopsychological context, and methods of evaluation and intervention.

G EW 4328 Long-Term Care Administration II (3) AS GEY
PR: GEY 4327, AGC 2201, each with a grade of C or better. Administration of long-term care institutions from a group dynamics perspective. Emphasis on informed problem solving and decision-making via analysis of the psychosocial and sociocultural environment in the nursing home community. Course objective is to create efficient and humane living and working conditions in nursing homes.

G EW 4329 Long-Term Care Administration III (3) AS GEY
PR: GEY 4328, AGC 2201, each with a grade of C or better. This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts.

G EW 4340 Housing for the Elderly (3) AS GEY
Major issues and aspects of conventional and planned housing for the elderly. Several field trips will be taken.

G EW 4360 Gerontological Counseling (3) AS GEY
An introduction to the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.
GEY 4401 Research Methods in Gerontology (3) AS GEY
PR: STA 2122 or equivalent with a grade of C or better. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.

GEY 4612 Psychology of Aging (3) AS GEY
A comprehensive overview of psychological aspects of aging. Topics will include age-related changes in sensation/perception, cognition, and personality, as well as application to late-life psycho-pathology.

GEY 4635 Business Management in an Aging Society (3) AS GEY
This course provides interested students with an interdisciplinary perspective that addresses both business management and the impact of our aging society on business.

GEY 4841 Death and Dying (3) AS GEY
A broad overview of the basic concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.

GEY 4847 Ethical and Legal Issues in Aging (3) AS GEY
A consideration of major ethical and legal issues in aging and their implications for policies, priorities, and services.

GEY 4920 Directed Readings (1-3) AS GEY
PR: CI. A reading program in the topics in gerontology conducted under the supervision of a faculty member.

GEY 4935 Special Topics in Gerontology (3) AS GEY
Courses on topics such as preretirement, mental health, human services organization, nursing home administration, the elderly woman, and elderly abuse will be offered.

GEY 4945 Field Placement (1-3) AS GEY
PR: CI. Subject to availability of internship sites approved by the Department of Gerontology. Internship in an agency or community setting. A full-time assignment to an agency or organization engaged in planning or administering programs for older people if in the 6A program (6 hours), or to a nursing home if in the BS program (6 hours).

GEY 5620 Sociological Aspects Of Aging (3) AS GEY
Examinations within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social system and its major institutionalized subsystems.

GEY 5630 Economics and Aging (3) AS GEY
Examinations basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security and other support systems.

GEY 5642 Perspectives on Death and Dying (3) AS GEY
Study of the various psychological, medical, legal, and religious problems caused by dying and death, and how individuals and groups have coped and experimented. Emphasis on death in the context of life.

GLY 2010L Dynamic Earth: Introduction to Physical Geology NS (3) AS GLY
PR: GLY 2010 or concurrent registration. Required for Geology majors: open to non-majors. Study of minerals, rocks, and dynamic processes of the earth. Introduction to the origin of earth's materials, landforms, and structures.

GLY 2010L Dynamic Earth Laboratory (1) AS GLY
Laboratory study of the earth's history and life. Required for Geology majors: open to non-majors. Laboratory study of earth materials, landforms, geologic structures, topographic and geologic maps. Lec-lab-field trips.

GLY 2030 Environmental Geology NS (3) AS GLY
May substitute for 2010 for geology majors. A first course in geology emphasizing environmental aspects of the earth's crust, such as earthquakes, depletion of the earth's resources, water-supply problems, and geologic aspects of land use and planning.

GLY 2038 Earth and Environmental Systems NS (3) AS GLY
No credit for students who have taken GLY 2010 or GLY 2030. This course examines the geology of the earth and the environment. Emphasis on earth systems approach that looks at interactions between the lithosphere, hydrosphere, atmosphere, and biosphere. Student will learn general principles of geology, travel world-wide on the internet, and participate in discussions on topics ranging from the scientific method to the latest geological discoveries.

GLY 2040 Origins: From the Big Bang to the Ice Age NS (3) AS GLY
The history of the cosmos, origin of the universe, galaxies, the solar system, and life, evolution of life, including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.)

GLY 2050 Science, Earth and Life NS (3) AS GLY
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 2830 Selected Topics in Geology (1-3) AS GLY
Does not count toward the geology major. Topical courses in geology of general interest.

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 3400C Structural Geology (4) AS GLY
PR: 12 hours of geology; or MAC 2147 or equivalent or 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 3610C 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 phylogeny, using the bulk of the fossil record.

GLY 3800 The Fluid Earth (4) AS GLY
PR: 4 hours of Geology, including GLY 2015L; MAC 2311 and MAC 2312 or equivalent; PHY 2048 and PHY 2048L. Not available as S/U for geology majors; S/U available for others. Physical, chemical and biological processes affecting fluids of the lithosphere, oceans and atmosphere. Water as a geologic medium and global entity. A systems approach.

GLY 3850 Geology For Engineers (3) AS GLY
PR: Junior standing. Required for students in College of Engineering. 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 4046 Moons, Planets, and Meteors: An Introduction to Planetary Science NS (3) AS GLY
PR: Junior standing. Solar System exploration, from Aristotle 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 4310 Petrology (4) AS GLY
PR: GLY 3200. 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 4552 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 processes of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in the stratigraphic 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 cytosphere to study the sedimentary record and interpretation of the rock record to solve problems in sedimentary geology.

GLY 4700 Geomorphology (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 4730 Marine Geology (3) AS GLY
Pr: 12 hours of geology or CI. General survey of the geology of the ocean floor from beaches to ocean trenches including sediments, processes, tectonics and history.

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 human activities and how they will impact them. Consideration of coastal management policies involving economics, ethics, policy, and environmental law.

GLY 4780 Geologic 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, rifts and hominid evolution, and mining and politics. Does not count for GLY major credit.

GLY 4822 Introduction to Hydrogeology (4) AS GLY
Pr: 2 geology or junior 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 4930 Selected Topics in Geology (1-4) AS GLY
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 geology included.

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 4982 Geologic Field Excursion (1-3) AS GLY
Pr: Senior standing in geology or CI. Lectures and 2-3 week field excursion to study regional geology, structure and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques learned, Lec.-lab.-field trips. Trip requires camping and vigorous physical activity. Lec.-field trip.

GLY 5865 Statistical Models in Geology (3) AS GLY
Pr: STA 2023 or equivalent or CI. Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geological problems. Lec.

GLY 5932 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 CLA
An introductory course in classical Greek grammar with appropriate readings.

GRE 1121 Beginning Classical Greek II (4) AS CLA
Pr: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2040 New Testament Greek I (4) AS REL

GRE 2041 New Testament Greek II (4) AS REL

GRE 2200 Intermediate Classical Greek (4) AS MLL
Pr: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

GRK 1120 Beginning Modern Greek I (4) AS MLL
CR: GRK 1120L. An intensive study of basic skills, pronunciation, listening comprehension, speaking and some composition.

GRK 1120L Beginning Modern Greek I Laboratory (1) AS MLL
CR: 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 Beginning Modern Greek II (4) AS MLL
Pr: GRK 1120 or its equivalent; CR: 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 MLL
CR: 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 MLL
Pr: GRK 1121 or its equivalent. For language students who intend to attain basic proficiency.

GRK 2201 Modern Greek IV (4) AS MLL
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 MLL
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 MLL
Departmental approval required. Course permits classes in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

GRK 4995 Directed Reading (1-4) AS CLA
Departmental approval required.

GRW 5905 Directed Reading (1-4) AS CLA
Departmental approval required.

GRW 5934 Selected Topics (4) AS CLA
Available to majors and non-majors. Study of an author, movement or theme.

HAS 4120 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 MLL
CR: HBR 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

HBR 1120L Modern Hebrew I Laboratory (1) AS MLL
CR: 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 MLL
Pr: HBR 1120 or its equivalent; CR: HBR1121L. A continuation of HBR 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

HBR 1121L Modern Hebrew II Laboratory (1) AS MLL
CR: 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 MLL
Pr: HBR 1121 or its equivalent. For language students who intend to attain basic proficiency.

HBR 4905 Directed Study (1-5) AS MLL
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 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 (Hebrew) and to introduce them to the Biblical literature in the original language.

HIS 303 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 330B 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 expectations in war, and the changing conduct of war.
HIS 3474 Science and Civilization (4) AS HU
A thematic study of the interaction of science and society in modern history emphasizing the institutional forms, value structures, and social relations in science as they have developed from the scientific revolution to the present.

HIS 3930 Special Topics (2-4) AS HU
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 change each semester.

HIS 3938 Issues in History MW (3) AS HU
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 of human experience such as philosophy, race and ethnicity, international perspectives, environmental perspectives.

HIS 4104 Theory of History (4) AS HU
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 HU
PR: CI. Arrangement with instructor prior to registration. Readings in special topics.

HIS 4920 Colloquium in History (2-4) AS HU
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 MW (4) AS HU
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) ED, EDJ
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 4722 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 they may best 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.

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 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, causes, 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.

HHS 5319 Problems of School Age Population (3) PH CFH
Study of health problems and needs of school age children, including a health status screening laboratory.

HUM 2024 The Arts FA (3) AS HUM
A thematic study 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 significant works of 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 among the Western World and other world civilizations.

HUM 2420 Arts and Music of the African People (3) AS AFA
An examination of the visual arts, painting, sculpture, architecture and music of Sub-Saharan Africa; their meaning and impact on the arts and music of the Western World.

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).

HUM 3251 Studies in Culture: The Twentieth Century HP (3) AS HUM
Analyzes of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major political, social, and economic events, such as war, depression, totalitarianism, and technological change.

HUM 3271 Eastern and Western Culture 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 the United States, 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 philosophies-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 philosophies-religions; Western influences on twentieth century Japanese arts and letters.

HUM 4432 The Culture of Ancient Rome (4) AS HUM
PR: Sophomore standing or CI. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Rome, including such authors as Virgil, Livy, and Cicero, the monuments of Rome, Pompeii, and Herculeanum.

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 4434 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 4436 High Medieval Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the culture of Western Europe from the 11th to 13th centuries. Readings will include poetry and religious works; examples of painting, architecture, sculpture, and music will be studied.

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, Rembrandt, El Greco, and Bosch.

HUM 4440 Arts and Letters in the 17th and 18th Centuries (4) AS HUM
PR: Sophomore standing or CI. A study of visual arts, literature and music from the mysticism and art 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. A study of 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 to the outbreak of World War I.

HUM 4445 Twentieth Century European Arts and Letters I (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twenty 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 European Arts and Letters II (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twenty 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 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 idealistic 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 in 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 in the colonial through contemporary periods.

HUM 4905 Directed Study (1-4) AS HUM
PR: CI. Specialized individual study determined by the student's needs and interests

HUM 4905B 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 4938 Major Issues in the Humanities MW (3) AS HUM
The study of an important topical issue in the Humanities. Materials representing diverse views related 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: HUM 4939 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 2201 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, integration of current nutrition information, and application of nutrition knowledge in the establishment of good eating habits.

HUS 3001 Introduction to Human Services (3) AS GEY
An introduction to the field of human services. Study of the professions and agencies involved in providing human services. Analysis of the values and ethics of various professional associations.

HUS 4202 The Life Cycle (4) AS GEY
An examination of individuals and the physiological and psychological changes which occur during infancy, childhood, adolescence, young adulthood, middle age and old age.

HUS 4160 Interviewing (3) AS CI
The principles and techniques of interviewing. Use of interviewing in information gathering, research and helping relationships and developing skills in communication across cultural, social and age barriers.

IDH 2005 Discovery: People, Processes and Problems (3) UG HON
PR: Admission to Honors Program. An appreciation of the research process in multiple disciplines culminating in the production of a topics terminal research proposal.

IDH 2010 Acquisition Of Knowledge (3) UG HON
PR: Admission into the Honors Program. An appreciation of the problems of how human understanding proceeds through operations such as perception, categorization, classification, and inference, among others, as well as the open philosophical questions behind these operations.

IDH 3930 Arts/Humanities Honors (3) UG HON
PR: IDH 2010. An introduction to western arts and letters from the perspective of three period's terms (classicism, romanticism, modernism), the relationship of ideas to art, the similarities among the arts of a given period, and important differences between courses.

IDH 3350 Natural Sciences Honors (3) UG HON
PR: IDH 2010. An 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) UG HON

IDH 3800 Seminar In Applied Ethics (3) UG 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 4001 Honors Program Seminar: Major Works/Majors Issues (4) UG 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) UG 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 4970 Honors Thesis (3) UG 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 2130 Biology for Learning Communities (3) IAS
This course is an introduction to major concepts of biology, focusing on evolution as the unifying concept in the field.

IDS 2664 Social Science Perspectives I (3) AS IAS
Provides an overview of the evolution and global expansion of Western Civilization. Examines global problems of economic growth and development; geopolitical relations among nations and states, food supply and hunger, and environmental change.

IDS 2665 Social Science Perspectives II (3) AS IAS
Approaches the study of human behavior and society using the lens of various institutions. This course addresses issues of social stratification, economics, education, religion and social status. The course is not restricted to any major, has no lab section, and is not cross-listed.

IDS 2665 Historical Perspectives I (3) AS IAS
Approaches the study of human history through a series of specific case studies that focus on historical processes. The primary focus
of the course is to understand the variety of ways that the past has been brought into and understood in the present, rather than a comprehensive survey of a limited time or place.

IDS 2667 Historical Perspectives II (3) AS IAS
Approaches the study of human history through a series of specific case studies that focus on historical processes. The primary focus of the course is to understand the variety of ways that the past has been brought into and understood in the present, rather than a comprehensive survey of a limited time or place.

IDS 2931 Selected Topics HP (2-5) AS IAS
Selected topics in the liberal arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 2932 Selected Topics HP (3) AS IAS
Selected topics in the liberal arts and sciences.

IDS 2933 Selected Topics III SS (3) AS IAS
Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 2934 Selected Topics IV SS (3) AS IAS
Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 2935 Selected Topics V FA (3) AS IAS
Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 2936 Selected Topics VI AF (3) AS IAS
Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

IDS 3115 Values and Choices 6A MW (3) ED EDF

IDS 3662 Arts Connections FA (3) FA FAI
This is an interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Artists from the four disciplines will provide weekly presentations centered around issues and ideas 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 the perceptions of their world as well as reflecting the underlying values and paradigms that form our culture(s).

IDS 3968 Writing Culture: Images of Culture in the Modern World (3) AS IAS
Offers multiple perspectives on the visions, theories, and practices of the modern culture through the use of various literary genres. Examines the cultural realities of social stratification, relational networks, fragmentation, discontinuity, diversity, poverty, and anomie, energy, and potential of modern living.

IDS 3949 Cooperative Education (0) UG 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 4930 Selected Topics (1-4) AS IAS
Course content determined by students’ and instructor’s interests and needs.

IDS 4932 Honors Program Seminar (3) UG HON
PR: Admission to St. Petersburg Campus Honors Program. An intensive reading and research seminar focusing on interdisciplinary investigation of broad topics in the humanities and social and natural sciences. Topics will vary, but all possess an interdisciplinary format. Restricted to St. Petersburg Campus Honors Program students.

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 4950 Honors Program Project (3) UG HON
Enrollment is limited to St. Petersburg Honors Program students who have completed at least one Honors Program Seminar. Seminar 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 as St. Petersburg Campus Honors Program students.

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 Internat 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 4970 Honors Program Thesis (3) UG HON
Enrollment is limited to St. Petersburg Campus Honors Program students who have completed at least one Honors Program Seminar. The Honors Thesis is designed as a senior thesis for St. Petersburg Campus Honors Program students. Those students will have completed at least one Honors Seminar prior to beginning the thesis. Either a thesis or an Honors Project will fulfill the requirements for graduation as St. Petersburg Honors Program students.

IDS 4990 Inter-Area Studies (30) AS BIS
PR: ISS 4909, ISS 4939, ISS 4909, ISS 4939, JIM 4909, JIM 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, supervision, job satisfaction, decision-making.

INR 1015 World Perspective SS AF (3) AS INT
An interdisciplinary study of the international system, major world regions and problems.

INR 2002 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 ss.

INR 3003 Introduction to International Studies (3) AS INT
An interdisciplinary study which stresses 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 will explore 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 pressures.

INR 3054 International Human Rights MW (3) AS INT
This course explores the evolution of international rights from the Greeks to the present. It examines human rights issues in major regions of the world.

INR 3081 International Issues and Actors (3) AS INT
Departmental approval required. For majors and minors 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 philosophical 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 3141 Global Security Policy (3) AS INT
A study of security issues, regional and global (such as proliferation, arms control, arms transfer) as they relate to contemporary international politics.

INR 3336 Intelligence and U.S. Foreign Policy (3) AS INT
An examination of the role of intelligence and the intelligence community in U.S. foreign policy, with emphasis on the period since World War II.

INR 3955 Overseas Study (1-6) AS INT
A study of an overseas study 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 4089 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 The 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 the region, 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, diplomats, 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 their effect on world politics; background and achievement of the UN, regional organizations and multinational corporations.

INR 4900 Directed Readings (1-3) AS INT
PR: CI. A supervised program of intensive reading of interdisciplinary material of specific interest.

INR 4910 Directed Research (1-3) AS INT
PR: CI. A supervised program of interdisciplinary research in areas of specific 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 variable topics seminar integrating 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 5085 Issues in International Relations (3) AS POL
Sr./GS Explores specific topics 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 4930 Selected Topics in Interdisciplinary Science (1-4) AS IAS
Interdisciplinary studies with cell and molecular biology perspective. Course content dependent on student demand and instructor's interest.

ISC 4939 BIS Natural Sciences, Seminar (15) AS BIS
PR: BIS ISC 4909 or CI. S/U only.

ISM 3011 Management Information Systems (3) BA QMB
PR: CIS 2101 or CIS 2011MG; ACC 2071 or equivalent. May not be counted toward major requirements in MIS. The study of information management, management information requirements and information systems in modern organizations.

ISM 3113 System Analysis and Design (3) BA QMB
PR: ISM 3011, ISM 3230, with a grade of "C" or better. Study of the techniques and procedures used in assessing information requirement.

ISM 3230 Introduction to Business Application Development (3) BA QMB
PR: ISM 3011 with a grade of "C" or better. Introduction to problem-solving and business application development. Review of programming and programming languages. Basic programming concepts are presented in a modern programming language. Principles of programming style are emphasized. Projects cover business applications.

ISM 3232 Advanced Business Application Development (3) BA QMB
PR: ISM 3230 with a grade of "C" or better. May not be counted toward major requirements in MIS prior to 1998/99 catalog. Advanced presentation of business application development using a modern programming language. Advanced topics include data structures, indexing, file processing, and user interfaces. Good program design techniques are emphasized. Advanced business applications are developed.

ISM 3431 Management Science Production/Operations Management Applications (3) BA QMB
PR: 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 4113 Advanced Systems Analysis and Design (3) BA QMB
PR: ISM 3230, 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. Objectives of this course are to develop students' understanding of systems development problems and approaches using a variety of methods, such as, lectures, discussion, team presentations, guest speakers, demonstrations and computer user sessions.

ISM 4212 Database Design and Administration (3) BA QMB
PR: ISM 3113, ISM 3230. Principles of database design/management for mainframe, micro, and client/server environments, including data modeling, physical vs. logical representation and back-up and recovery management.

ISM 4213 Advanced Database Administration (3) BA QMB
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 with a grade of "C" or better. Fundamentals of data communication, including network architectures, communication protocols, transmission standards and media access control methods.

ISM 4233 Information System Interface Design (3) BA QMB
PR: ISM 3113, ISM 4212, with a grade of "C" or better. The fundamentals of human perception and cognition are studied in order to develop effective human-computer interfaces. Various types of interfaces are examined. Students 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 object-oriented C++, Visual Basic and other OO programming languages.

ISM 4240 Distributed Operating Systems (3) BA QMB
PR: ISM 3230 with a grade of "C" or better. Introduction to distributed operating systems fundamentals such as distributed systems architecture, file structured, 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 4300, 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 systems.

ISM 4300 Managing Information Resources (3) BA QMB
PR: ISM 3113, ISM 4212, ISM 4220. Current issues in information systems management focusing on organizational policies, procedures and standards for managing distributed networks and resources.

ISM 4320 Information Systems Controls (3) BA QMB
PR: MIS Major or CI. Students who complete this course will not
receive credit for ACG 4621. A study of information systems control and applications, system design and system implementation and management.

ISM 4400 Decision Support Systems Applications-Computer Assisted Decision Making (3) BA QMB
PR: FIN 3403, QMB 3200, and ISM 3113, 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 computer hardware, software, and telecommunications to support decision making in business organizations.

ISM 4480 Electronic Commerce Systems (3) BA QMB
PR: ISM 3011 with a grade of “C” or better, MIS major or CC. This course focuses on the 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
S/U only Independent 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: Cl. Individual study contract with instructor 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
Course introduces students to issues concerning the relationships between knowledge and society. Among the topics addressed are competing accounts of knowledge in the sciences and other social institutions, 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
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 the self 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 3010 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 3930 Selected Topics in the Social Sciences (1-4) AS ISS
Interdisciplinary studies of varying topics, with course content dependent on student demand and instructor interest.

ISS 4151 Native American Women (3) AS ISS
An interdisciplinary examination of lives of Native American Women, past and present. Topics include history, education, politics, economics, family, etc. Open to all majors.

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 4164 Urban Social Issues: An Interdisciplinary Approach (3) AS ISS
This course is designed to examine current metropolitan issues from an interdisciplinary perspective. Topic selection will be within the broad framework of technological changes, economic conditions, political ideologies, human ecology, and their impact on changing social patterns.

ISS 4900 Directed Readings (1-3) AS ISS
PR: Cl. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

ISS 4910 Directed Research (1-3) AS ISS
PR: Cl. 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 3100 or Cl. The seminar which caps the interdisciplinary major. Wears personal curiosity with the application of theoretical models to research on salient social issues.

ISS 4939 ISS Social Sciences, Seminar (15) AS ISS
PR: ISS ISS 4900. Cl. S/U only

ISS 5934 Selected Topics (1-3) AS AFA
PR: Cl 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 MLL
CR: 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 (1) AS MLL
CR: ITA 1120. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 1121 Beginning Italian II (4) AS MLL
CR: 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 (1) AS MLL
PR: ITA 1121; S/U only. 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.

ITA 2200 Intermediate Italian I (3) AS MLL
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 MLL
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 MLL
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 and free conversation, prepared speeches.

ITA 3420 Composition (3) AS MLL
A fundamental composition course for students who have completed ITA 2200.

ITA 3470 Overseas Study (1-6) AS MLL
Prior approval and early registration required. An intensive study-travel project in Italy.

ITW 4100 Survey of Italian Literature I (4) AS MLL
A survey of Italian literature from the earliest monuments through the classicism of the 18th century.

ITW 4101 Survey of Italian Literature II (4) AS MLL
A survey of Italian literature between the Classicism of the 18th century and continuing to present.

ITW 4905 Directed Study (1-3) AS MLL
Departmental approval required. Selected topics in Italian literature.

JOU 2100 Beginning Reporting (3) AS COM
PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, newsgathering, and newswriting techniques. Typing ability is required.

JOU 2200 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, with emphasis on the daily newspaper; news judgment, headlines, makeup; ethical problems.

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 the 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. Planning, researching, writing, and marketing articles for general and special interest magazines and newspaper magazine supplements; experiences in developing article idea; inductive analysis of contemporary magazine articles.

JOU 3306 Critical Writing: Editorials, Reviews, Columns (3) AS COM
PR: JOU 3101 and JOU 2200. Interpretive and opinion writing for the mass media. Analysis and discussion of current events as a basis for critical thinking and writing; evaluation of editorial pages of leading newspapers. Study of journalistic techniques involved in personal columns.

JOU 3940 Reporting Practice I (1) AS COM
PR: JOU 3101 and Cl. For non-editorial sequence majors. S/U only.

JOU 3941 Reporting Practice II (1) AS COM
PR: Cl. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Practical written and oral reports to the faculty member are due at the end of the semester.

JOU 4104 Public Affairs Reporting (3) AS COM
PR: JOU 3101 or RTV 3304 (RTV majors only), POS 2041 and POS 3142 or POS 2112. 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,
include examination and interpretation of public documents and

JOU 4206 Newspaper Design and Typography (3) AS COM
PR: JOU 2200 or DPR. Theoretical and practical applications of
design problems in newspaper layout; the research of
newspaper typography and design and its application; redesign of
temporary newspapers.

JOU 4941 Editing Practicum (1) AS COM
PR: Senior standing. JOU 2200 and CI. For news-editorial 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 5015 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 5035 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-style journalism can be
appropriate, the theories that the reporting and editors put into
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 MLL
CR: JPN 1120L. An intensive study of basic skills: pronunciation,
listening comprehension, speaking, and basic composition.

JPN 1120L Modern Japanese I Laboratory (1) AS MLL
CR: 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
instructional technologies and media.

JPN 1121 Modern Japanese II (4) AS MLL
PR: JPN 1120 or equivalency. CR: 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 MLL
CR: JPN 1121. S/U only. 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 MLL
PR: JPN 1121 or equivalency. Continuing study to attain basic
proficiency. JPN 2201 is recommended.

JPN 2201 Modern Japanese IV (3) AS MLL
PR: JPN 2200 or equivalency. Continuation of JPN 2200.

JPN 4905 Directed Study (1-5) AS MLL
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 MLL
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. Coordinated
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 language.

LAE 4323 Methods of Teaching English: Middle School (3) ED EDE
Must be taken one or two semesters prior to internship. Recommended
to be taken with LAE 4464. Who can method of including 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 4464 Advanced 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
teaching materials.

LAE 4530 Methods of Teaching English: Practicum (3) ED EDE
PR: Senior standing or permission in Plan II Master's Program.
Required concurrently with LAE 4325 or LAE 4642. Taken one
semester, spring or fall, prior to internship.

LAE 4642 Methods of Teaching English: High School (3) ED EDE
PR: LAE 4646. Must be taken one semester prior to intern-
curriculum 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. 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 ap-
proval of graduate advisor. Investigation 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 consultation with his particular goals and will be approved
by the student's graduate advisor.

LH 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.

LH 2734 Latin American History Film HP AF (3) AS HTY
Through the use of films and readings, the course introduces the
broad sweep of Latin American history from the pre-Columbian
period to today. Emphasis is placed on the social-cultural context to
understand the peoples and events that have shaped Latin America.

LH 3130 Colonial Latin America (4) AS HTY
Placing emphasis on indigenous people this course examines pre-
Columbian culture and the interaction between native peoples and
Europeans in the wake of the encounter.

LH 3200 Modern Latin America (4) AS HTY
A study of the emergence of the Latin American states. The course
will examine developments in Latin America during the nineteenth
and twentieth centuries. Special attention is given to the Third World
character of the region.

LH 3430 History of Mexico (4) AS HTY
Mexican history from pre-Columbian cultures to the twentieth
century. Emphasis falls on the colonial political economy, social
development, the wars of independence, development of the 19th
century Mexican state and the Mexican revolution.

LH 3478 History of the Caribbean (4) AS HTY
A thematic study of the circum-Caribbean from pre-Columbian
cultures to the twentieth century, emphasizing the development of
the Caribbean political economy with emphasis on monoculture,
plantation society, and colonial/neocolonial relationships.

LH 3480 History of Cuba (4) AS HTY
Cuban history from pre-Columbian cultures to the Cuban Revolution.
Emphasis on colonization, the sugar economy, the struggles for
independence, the political economy of the Republic, and the 20th
century revolutionary process.

LAS 3002 Latin America (3) AS INT
Area study courses are multi-disciplinary in nature and deal with
one or more countries of a region together. Each course combines some
measure of political, economic, historical, religious, geographic, anthropologi-
cal, and sociological analysis in dealing with salient features and
current problems.

LAS 3004 The Americas - Latin and Caribbean (3) AS INT
This is a telecourse that is designed to introduce the complexities
of Latin America and the Caribbean to students in the U.S. (Open
University - televised course.)

LAS 3115 Latin America Through Film AF (3) AS INT
This course will use film, video, selected readings, and lectures to
teach the interested student about Latin America.

LAT 1120 Beginning Latin I (4) AS CLA
An introductory course in Latin grammar with appropriate readings.

LAT 1121 Beginning Latin II (4) AS CLA
PR: LAT 1120 or equivalent. An introductory course in Latin grammar
LIS 5268 Microcomputer Applications Library and Information Centers (3) AS LIS
Microcomputer hardware and software for libraries and their application in library/information settings. Projects using major applications for budgets, databases, and telecommunications are undertaken.

LIS 5315 Instructional Graphics (3) AS LIS
Theoretical aspects, planning and production of instructional graphic material. The Theory of graphic communications. Interpreting needs for instructional materials appropriate for given behavioral objectives.

LIS 5333 TV in Schools and Libraries (3) AS LIS
Small format video tape recordings and the utilization of open and closed broadcasts in schools and libraries.

LIS 5404 Foundations of Library and Information Science (3) AS LIS
Introduction to the study of library and information science, history, organization, specialized literature, outstanding leaders, current trends, issues, and problems; the place of the information agency in society with its contributions to that society.

LIS 5537 Selected Topics in Library Studies (3) AS LIS
Covers a variety of topics such as collection development, reference services, technical services, and administration.

LIT 2000 Introduction to Literature 6A HP (3) AS ENG
Will not be counted toward the English major. The nature and significance of literature is its various forms: fiction, drama, poetry; emphasis on the techniques of reading literature for informed enjoyment.

LIT 2010 Introduction to Fiction 6A HP (3) AS ENG
Will not be counted toward the English major. A study of the short story and novel as literary forms; approached from an historical perspective though not restricted to any historical period.

LIT 2021 Current Short Fiction (3) AS ENG
Will not be counted toward the English major. Traditional and experimental short stories of this generation: such writers as Updike, Malamud, O'Connor, Roth, Barth, Ionesco, and Barthelme.

LIT 2030 Introduction to Drama 6A HP (3) AS ENG
Will not be counted toward the English major. A study of the poem as literary form; approached from an historical perspective though not restricted to any historical period.

LIT 2040 Introduction to Drama 6A WP (3) AS ENG
Will not be counted toward the English major. A study of the major forms of as literature and theatre; approached from an historical perspective though not restricted to any historical period.

LIT 2831 Selected Topics in English Studies (3) AS ENG
Will not be counted toward the English major. Varying from semester to semester, the course examines in depth a predominant literary theme or the work of a select group of writers.

LIT 3022 Modern Short Fiction 6A HP (3) AS ENG
A study of the novella from the nineteenth century to the present. Writers include James, Dostoevsky, Camus, Styron, Nabokov, Gardner, Roth, Vonnegut, among others.

LIT 3041 Modern Drama (3) AS ENG
A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neil, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

LIT 3073 Contemporary Literature 6A LW (3) AS ENG
An introduction to 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, and Camus, among others.

LIT 3103 Great Literature of the World 6A MW LW (3) AS ENG
PR: Junior/Senior Standing. Will not be counted toward the English major. Survey of world literature including samples from the ancient and modern era, western and eastern traditions, male and female writers, and various ethnic cultures. Focus on values/ethics, race, ethnicity, and gender; thinking and writing skills.

LIT 3144 Modern European Novel 6A HP (3) AS ENG
A study of the Modern European novel in translation as it developed from the nineteenth century to the present, including such writers
as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.

LIT 315, Modern Literature 6A MW LW (3) AS ENG
A survey of 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, may be counted twice. Fall semester is Old Testament and Spring semester is New Testament. Either can count toward the major. Major emphasis on literary types, 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 prongs 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 existential ideas, 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
Will be counted toward the English major. An introduction to the occult tradition as a major ingredient in English, Continental, American, and Multicultural literature; analysis of the origins, classifications, and ideas of the various magic arts from classical times through the present. Focuses on values/ethics, race/ethnicity and gender; thinking and writing skills.

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. Writing intensive.

LIT 4804 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)

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 examine in depth 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 2660 Vergil (4) AS CLA
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 CLA
PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.

LNW 4500 Cicero and Roman Philosophy (4) AS CLA
PR: Basic knowledge of Latin. Readings in the philosophic writings of Cicero. Focuses on a consideration of eclecitc thought.

LNW 4501 Seneca and Roman Philosophy (4) AS CLA
PR: Basic knowledge of Latin. Readings in the philosophic writings of Lucius Annaeus Seneca, together with an examination of Stoic, Epicurean, and Ecclectic thought.

LNW 4634 Catullus (4) AS CLA
PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.

LNW 4644 Cicero (4) AS CLA
PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

LNW 4654 Horace (4) AS CLA
PR: Basic knowledge of Latin. Readings in the Odes and Epodes of the Ode’s tradition.

LNW 4670 Ovid (4) AS CLA
PR: LAT 1121 or equivalent. Readings in Ovid’s Metamorphoses.

Study of Ovid’s technique, style, and artistry.

LNW 4800 Directed Reading 6A SP LW (1-4) AS CLA
Departmental approval required.

LNW 4930 Selected Topics (4) AS CLA
Study of an author, movement, or theme.

LNW 5900 Directed Reading (4) AS CLA
Departmental approval required. S/U

LNW 5934 Selected Topics (4) AS CLA
Study of an author, movement, or theme.

MAA 4211 Intermediate Analysis I 6A (4) AS MTH
PR: MAS 4301 Sequences, series, metric spaces, continuity, differentiation.

MAA 4212 Intermediate Analysis II 6A (3) AS MTH
PR: MAA 4211. Riemann-Stieljes integration, uniform convergence, and related topics.

MAA 4402 Complex Variables 6A (3) AS MTH
PR: MAS 4301 or CI. No credit for students with credit in MAA 5404. Complex numbers, 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 5305. Series, Banach spaces, and function spaces; measure and integration on abstract spaces.

MAA 5405 Applied Complex Analysis (3) AS MTH

MAC 1114 College Trigonometry 6A (2) AS MTH
PR: Two years of high school algebra. No credit for students with credit in MAC 2147. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates.

MAC 2230 Business Calculus 6A QM (4) AS MTH
PR: Three years of high school mathematics including two years of algebra or MGF 1105. No credit for mathematics majors or students with credit in MAC 2233, MAC 2281 or MAC 2311. Linear equations and functions, mathematics of finance, differentiation and integration of algebraic, exponential and logarithmic functions with applications to business, finance and economics.

MAC 2233 Life Sciences Calculus I 6A QM (4) AS MTH
PR: Three years of high school mathematics including two years of algebra or MGF 1105. No credit for math majors or students with credit in MAC 2281 or MAC 2311. Differentiation and integration of algebraic functions with applications, exponential and logarithmic functions. MAC 2233-MAC 2234 are primarily for students from Biological Sciences, Sociology and Business.

MAC 2234 Life Sciences Calculus II 6A QM (4) AS MTH
PR: MAC 2233. No credit for Mathematics majors or students with credit in MAC 2282 or MAC 2312. Techniques of integration, differential equations, functions of several variables, series and Taylor polynomials.

MAC 2281 Engineering Calculus I 6A QM (3) AS MTH
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2147. No credit for students with credit in MAC 2333 or MAC 2331. A year of high school geometry is recommended. Differentiation, limits, differentials, extremes, indefinite integral.

MAC 2282 Engineering Calculus II 6A QM (3) AS MTH
PR: MAC 2281 or CC. No credit for students with credit in MAC 2334 or MAC 2312. Definite integral, trigonometric functions, log, exponential, series, applications.

MAC 2283 Engineering Calculus III 6A (3) AS MTH
PR: MAC 2282 or CC. No credit for students with credit in MAC 2313. Techniques of integration, numerical methods, analytic geometry, polar coordinates, Vector algebra, applications.

MAC 2311 Calculus I 6A QM (4) AS MTH
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2147. No credit for students with credit in MAC 2333 or MAC 2281. A year of high school geometry is recommended. Limits, derivatives, applications.

MAC 2312 Calculus II 6A QM (3) AS MTH
PR: MAC 2311 with a grade of “C” or better or CC. No credit for students with credit in MAC 2334 or MAC 2282. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions.

MAC 2313 Calculus III 6A (4) AS MTH
PR: MAC 2312 with a grade of “C” or better or CC. No credit for students with credit in MAC 2283. Integration, polar coordinates, vectors, spherical sections, vectors, indeterminate forms and improper integrals.

MAD 3100 Discrete Mathematics 6A (3) AS MTH
PR: MAC 2281 or MAC 2311. An introduction to some of the aspects
of discrete mathematics that are fundamental to digital computing. This course covers sets, numbers, algorithms, Boolean algebra, computer arithmetic, elementary combinatorics and an introduction to graph theory.

MAD 4401 Numerical Analysis 6A (4) AS MTH
PR: MAS 3105, ability to program a digital computer. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4504 Theoretical Computation (3) AS MTH

MAD 5101 LISP: Programming With Algebraic Applications (3) AS MTH
PR: MIF 5306 or MAD 6510 or MAS 5311 or CI. Programming in LISP, functional languages, foundations of Lambda Calculus and algebraic applications (Theorem proving and game playing).

MAD 5305 Graph Theory (3) AS MTH
PR: CI Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya’s Theorem, networks.

MAE 4310 Teaching Elementary School Mathematics I (3) ED EDE
PR: Admission to College of Education and two college level mathematics courses. Methods for teaching number ideas, computational/numerical skills, measurement, mathematical reasoning.

MAE 4320 Teaching Mathematics in the Middle Grades (3) ED EDO
PR: 18 semester hours of mathematics or DPR. Admission to Mathematics Education Program. Techniques and materials of instruction in middle grades mathematics topics. Students are expected to observe 15 hours in middle schools.

MAE 4326 Teaching Elementary School Mathematics II (2) ED EDE
PR: MAE 4310. Methods for teaching informal geometry, measurement, probability and statistics.

MAE 4330 Teaching Senior High School Mathematics (3) ED EDO
PR: MAE 4320 and admission to teacher education program in mathematics. Techniques and materials of instruction in mathematics. Students are expected to observe 20 hours in high schools.

MAE 4515 Reading the Language of Mathematics (2) ED EDO
Consideration of issues related to the communication of mathematics, including reading and writing mathematics and solving verbal problems.

MAE 4652 Technology for Teaching Secondary School Mathematics I (3) ED EDO
PR: Admission to Mathematics Education Program or DPR. This course prepares secondary mathematics education majors to write computer programs in both QBASIC and Logo 4.0 that are appropriate for secondary school mathematics classrooms. A variety of uses of computers in mathematics instruction will also be covered.

MAE 4653 Technology for Teaching Secondary School Mathematics II (3) ED EDO
PR: MAE 4320 and MAE 4652. This course prepares secondary mathematics education majors to be proficient with hand-held technologies such as: graphing calculators, symbolic manipulators, calculator based laboratory systems and hand held geometric drawing tools.

MAG 4909 Directed Study: Mathematics Education (1-3) ED EDO
PR: Senior Standing. To extend competency in teaching field.

MAG 4936 Senior Seminar in Mathematics Education (2) ED EDE
PR: Senior Standing; CR: MAE 4940. Synthesis of teacher candidate’s courses in complete college program.

MAG 4940 Internship: Mathematics Education (1-12) ED EDO
CR: MAE 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.

MAG 5875 Abstract Algebra for Teachers (3) AS MTH
PR: MAS 3105 or MAS 4301 and Bachelor’s degree or CI. No credit for Mathematics majors. Limits, continuity, derivatives, differentials.

MAG 5877 Mathematical Analysis For Teachers (3) AS MTH
PR: MAC 2311 and Bachelor’s degree or CC. No credit for Mathematics majors. Limits, continuity, derivatives, differentials.

MAN 3025 Principles of Management (3) BA MAN
Study of the fundamental principles of management. Treats topics in organizational theory, behavioral, and interpersonal relations which are relevant to effective management performance.

MAN 3240 Organizational Behavior Analysis (3) BA MAN
PR: MAN 3025. The course covers research literature relevant to organizational functioning including behavioral effects of power 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 equivalent. Development of direct understanding of personal, interpersonal and group behavior in a simulated organizational interaction. Stress is on a series of experiential exercises and written application of results within a laboratory setting.

MAN 4129 Theory and Practice of Management Skills (3) BA MAN
This course involves the transference of management theories into practice. It requires the active involvement of students in developing and practicing the skills needed to be a successful manager.

MAN 4280 Organizational Development and Change (3) BA MAN
PR: MAN 3240 or CI. 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 4282 Organizational Assessment (3) BA MAN
PR: MAN 3240. The analysis and measurement of the 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; employee 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 Production Systems (3) BA QMB
PR: MAN 4504 or CI. 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 CI. A study of the role and influence 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: ACG 2021, ACG 2071, MAR 3023, or CI. 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, success and management of the firm, and options for succession or termination.

MAN 4804 Small Business Management Counselling (3) BA MAN
PR: MAN 4802 or CI. 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: CI. S/U only. Specialized Independent study determined by the student's needs and interests.

MAN 4930 Selected Topics in Management (1-3) BA MAN
PR: CI. Topics to be selected by instructor and department chairperson. 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 5345 Applied Partial Differential Equations (3) AS MTH
PR: MAP 5407 or CI. Separation of variables, the heat equation, wave equation, Laplace's equation, Green's functions with emphasis on applications.

MAR 2931 Selected Topics in Marketing (1-4) BA MKT
PR: CI. Not available for credit to upper-level students who have been admitted to the College of Business. Topics to be selected by department chairperson.

MAR 3023 Basic Marketing (3) BA MKT
PR: ACG 2021, ECO 2013, ECO 2023, or CI. 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 CI. 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 3613 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 gathering and reporting information use in market decision making.

MAR 3823 Marketing Management (3) BA MKT
PR: MAR 3023 or CI. An applications 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 institutions, principles and methods involved in 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 CI. 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 Personal Management (3) BA MKT
PR: MAR 3023 or CI. 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. Decision making process in development of a promotional program is emphasized.

MAR 4403 Sales Management (3) BA MKT
PR: MAR 3023 or CI. A study of sales management and strategy as a subset of marketing management. 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, research and promotional practices, marketing policies and strategies.

MAR 4503 Buyer Behavior (3) BA MKT
PR: MAR 3023. A study of the basic concepts of buyer behavior, including the pre- and post-purchase decision-making process, information processing relating to the functional areas of marketing and the buyer's decision-making process. Managerial applications in marketing are emphasized.

MAR 4824 Marketing Management Problems (3) BA MKT
PR: Senior Standing, MAR 3823, MAR 3613, and two other 4000 level marketing courses, or CI. The integration of marketing knowledge applied to decision roles in managing the total marketing effort of firms, and coordination with other major functional areas on specific problems.

MAR 4903 Independent Research (1-3) BA MKT
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAR 4905 Independent Study (1-3) BA MKT
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

MAR 4933 Selected Topics In Marketing (1-3) BA MKT
PR: CI. Topics to be selected by instructor and department chairperson.

MAS 1100 Conctructive Number Theory and Linear Algebra (3) AS MTH
PR: Acceptance in USF-Hillsborough County Mathematics and Science Program Computational and constructive aspects of number theory. Topics include: properties of integers, Diophantine Equations, congruence, quadratic residues polynomials over the integers, systems of linear equations, matrices and determinants.

MAS 3105 Linear Algebra 6A (3) AS MTH
PR: MGF 3301. CR: MAC 2283 or MAC 2313. Linear systems, matrix algebra, vector spaces, linear independence, inner product spaces, Gram-Schmidt algorithm, linear transformations and matrix representations, determinants, eigenvalues, diagonalization, quadratic forms.

MAS 4124 Numerical Linear Algebra 6A (3) AS MTH
PR: MAS 3105. This course will consider efficient and stable numerical methods for dealing with matrix computations such as the solution of systems, calculation eigenvalues and vectors, least squares, and so on.

MAS 4156 Vector Calculus 6A (3) AS MTH
PR: MAS 3105 and MAC 2283. Implicit function and inverse function theorems, parameterized surfaces, submanifolds or Euclidean space, exterior calculus of differential forms, differentiation of vector fields, line and surface integrals, Stokes' Theorem, elementary continuous groups.

MAS 4214 Elementary Number Theory 6A (3) AS MTH
PR: MAC 2312. Divisibility, prime numbers, Fundamental Theorem of Arithmetic, Diophantine equations, the algebra of congruencies, number functions and other selected topics.

MAS 4301 Elementary Abstract Algebra 6A (3) AS MTH
PR: MAS 3105 An introduction to the basic algebraic structures: groups, rings, integral domains, and fields; homomorphisms and isomorphisms.

MAS 4307 Advanced Linear Algebra 3A (3) AS MTH

MAS 5215 Number Theory (3) AS MTH
PR: MAS 3105 and MAS 4301, or CI. Fundamental theorem of arithmetic, congruences, properties of integers, primes, perfect numbers, Euler-Fermat theorem, pseudoprimes, primitive roots, law of quadratic reciprocity, factorization and primality testing algorithms.

MAS 5311 Algebra I (3) AS MTH
PR: MAS 3105 and MAS 4301 or CI Group theory: Sylow theorems; classification of groups of small order. Ring theory: ideals, quotient rings, polynomial rings, Euclidean domains, principal ideal domains and unique factorization.
MAS 5312 Algebra II (3) AS MTH
PR: MAS 5311 or C. Continuation of MAS 5311. Finitely generated modules over a principal ideal domain, basic field theory, finite fields, Galois theory.

MAT 2930 Selected Topics in Mathematics 6A (1-4) AS MTH
PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 2936 Technology Seminar 6A (1) AS MTH
S/U only. A two hour/week technology seminar to acquaint students majoring in mathematics, physics, and other sciences with the computer tools necessary in scientific communication and documentation preparation.

MAT 4906 Independent Study 6A (1-4) AS MTH
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.

MAT 4930 Selected Topics in Mathematics 6A (1-4) AS MTH
PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 4937 Mathematics Majors Seminar 6A (1) AS MTH
PR: MAS 4307.

MAT 4970 Mathematics Senior Thesis 6A (3) AS MTH
PR: Admission to Mathematics Honors Program and CC. S/U only. Course restricted to mathematics majors.

MAT 5932 Selected Topics (1-4) AS MTH
PR: CI. Each course covers a single topic outside the usual curriculum.

MCB 3030C General Microbiology (4) AS BIO

MCB 4115 Determinative Bacteriology (5) AS BIO
PR: MCB 3030C. Survey of bacterial classification; detailed examinations of bacteria important to man in agriculture, in industry and as pathogens. Lec-lab.

MCB 4404 Microbial Physiology and Genetics (4) AS BIO
PR: MCB 3030C and CR/PR: BCH 3023. A study of the physiological, metabolic, and genetic phenomena pertinent to understanding the growth, development, ecology, regulation, and reproduction of microorganisms. The course emphasizes the interdependence of physiological and genetic approaches to microbiology. Lec.

MCB 4404L Microbial Physiology and Genetics Laboratory (1) AS BIO
CR/PR: MCB 4404C. Laboratory portion of Microbial Physiology and Genetics relating to biochemical characteristics and metabolic capabilities of bacteria.

MCB 4502C Virology (3) AS BIO
PR: MCB 3030C. The biology of viruses associated with plants, animals, and bacteria will be considered; the nature of viruses, mechanisms of viral pathogenesis, and interactions with host cells.

MCB 4910 Microbiology Undergraduate Research (1-4) AS BIO
PR: CI and completion of Department contract before registration. For B.S. Microbiology majors only. S/U only. Individual investigation with faculty supervision.

MCB 4934 Seminar in Microbiology (1) AS BIO
PR: Senior or advanced junior standing. S/U only. Biology majors may take for elective credit.

MCB 5206 Public Health and Pathogenic Microbiology (3) AS BIO
PR: MCB 3030C. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCB 5815 Medical Mycology (3) AS BIO
PR: MCB 3030C A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists.

MET 4002 Climatology (4) AS GPY
PR: GEO 3013 or CI. An introductory survey of climatology. A qualitative study of the dynamics and structure of the atmosphere. Surface and upper level atmospheric phenomena in the mid latitudes will be examined. Discussion of the regional climatic patterns and anomalies throughout the world.

MET 4010C Meteorology (4) AS GPY
PR: GEO 3013 or CI. The earth's atmosphere and its processes; weather forecasting and analysis; instrumentation.

MGF 1105 College Algebra 6A (3) AS MTH
PR: Two years of high school algebra. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications.

MGF 1106 Finite Mathematics 6A (3) GPY
PR: Two years of high school algebra. Concepts and analytical skills in areas of logic, linear equations, linear programming, mathematics of finance, permutations and combinations, probability, and descriptive statistics.

MGF 1107 Mathematics for Liberal Arts 6A (3) AS MTH
This 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 1108 Selected Topics in Liberal Arts Mathematics 6A (3) GYM (3) AS MTH
Topics selected by the instructor to show the beauty and the utility of mathematics to the general student population. Topics in this course are similar to those in MGF 105 or MGF 1107.

MGF 1116 Mathematical Experience 6A (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.

MGF 1147 College Algebra and Trigonometry 6A (4) AS MTH
PR: Two years of high school algebra. No credit for MAC 2147 for students with credit in MAC 2233 or MGF 1105. Real numbers and their properties, algebraic expression, equations and inequalities, functions, polynomials, exponential and logarithmic functions. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates.

MGF 2131 Chaos and Fractals 6A (3) AS MTH
PR: High school algebra and trigonometry. Computer experiments in the behavior of functions under iteration: periodicity, attractors, stability, complex numbers, Cantor set, fractional dimension, sensitive dependence.

MGF 3301 Bridge to Abstract Mathematics 6A (3) 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 algebras, cardinality, and continuity.

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: transfinte set theory and the system ZFC; recursion theory and decidability.

MHF 5405 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.

MIS 4062 Human Relations Skills in Counseling MMW (4) ED EDG
Introduction to the theory of human relations, social development, 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 EDG
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) UG MIS
Make your first new peer group at college committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, first aid, and making presentation. Learn fundamentals of leadership.

MIS 1400C Fundamentals of Leadership Development (1) UG MIS
PR: CI. Reinforce self-confidence through participation in physically and mentally challenging exercises. Develop communication skills. Re-
late organizational ethical values to the effectiveness of a leader.

MIS 2601 Military Training Management And Instructional Techniques (1) UG MIS
Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams. Develop small group oral presentations, writing, planning, coordination of group efforts, fundamentals of ROTC's Leadership Development Program.

MIS 2610 Leadership Assessment (1) UG MIS
Introduction to individual and team aspects of military tactics in small unit operations, written communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Learn techniques for training others as an aspect of continued leadership development.

MIS 4410 Leadership Laboratory (1) UG MIS
Required with all classes. Involves leadership responsibilities for the planning, coordination, execution and evaluation of various training and 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) UG MIS
PR: Permission of Department. Series of practical opportunities to lead small groups to receive personal assessment and encouragement, 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 leader writing.

MIS 3404 Leadership Fundamentals - Tactics And Camp Preparation (3) UG MIS
PR: Permission of Department. Analyze tasks; prepare written or oral plans that members accomplish. Delegate tasks and supervise. Plan for and adapt to the unexpected situations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical performance.

MIS 4421 Seminar in Military Leadership & Management (3) UG 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, company grade officers, and senior officers.

MIS 4930 Advanced Directed Study And Research (1-3) UG MIS
PR: CI and permission of Professor of Military Science. Intensive individual study of a particular aspect of military science that is 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 IAS
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 applications.

MLS 4860 Clinical Uroirnalysis and Body Fluids (2) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on laboratory methodology and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal, and joint fluids.

MLS 4861 Clinical Immunology (2) AS IAS
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 IAS
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 coagulation and morphological and biochemical aspects of blood.

MLS 4863 Clinical Microbiology (6) AS IAS
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 4864 Clinical Chemistry (6) AS IAS
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 IAS
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 therapy.

MLS 4950 Clinical Laboratory Management and Education (1)
PR: Senior standing and acceptance into an approved affiliated hospital. A 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 ENC 1101, ENC 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 4123 Media Script Writing (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for photographic and multi-media presentation, electronic media, and industrial and documentary film.

MMC 4300 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, and public relations.

MMC 4203 Communication Ethics (3) AS COM
PR: MMC 3602 and MMC 2100 or DPR. 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, data evaluation, 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 (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 4212 Geometry 6A (4) AS MTH
PR: MAC 2311. Emphasis on a modern, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometry.

MTG 4214 Modern Geometry (3) AS MTH
PR: 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: MUC 1112 and CPR. Private instruction in original composition. Required of 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 synthesis; mathematics for music, composition and electronic music.

MUC 3231 Composition (3) FA MUS
PR: Necessary competency at junior level determined by faculty jury. CPR. Private instruction in original composition. Required of composition majors.

MUC 3401 Electronic Music-Analog Synthesis I (3) FA MUS
PR: MUC 2301 and CPR. 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 CPR. 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 CPR. 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 Electronic Music-Digital Synthesis II (3) FA MUS
PR: MUC 3401 or MUC 3402 and CPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3601 Contemporary Techniques Of Composition (3) FA MUS
PR: CPR. Instruction in the use of major Twentieth-Century compositional techniques; tonal unordered set and serial composition and the use of indeterminacy in composition and performance.

MUC 4241 Composition (3) FA MUS
PR: Necessary competency at senior level determined by faculty jury. CPR. Private instruction in original composition. Required of 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. CPR. 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. CPR. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4501 Seminar In New Musical Systems (3) FA MUS
PR: CI. CPR. Experimental sound sources and ensemble groupings; creation of new instruments; unfamiliar sonic materials and unique social contexts for music.

MUC 4620 Jazz Composition (3) FA MUS
PR: MUC 3334 and/or CPR. 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 2450 Beginning Woodwind Techniques (1) FA MUS
PR: Sophomore standing, non-woodwind major. CPR. 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. CPR. 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: CPR. 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: CPR. 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: CPR. 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. CPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.

MUE 3461 Advanced Brass Techniques (1) FA MUS
PR: Sophomore standing, brass instrument major or MUE 2460. CPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on brass instruments.

MUE 4210 Music For The Child (3) FA MUS
PR: Admission to the College of Education. CPR. 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 4311 Music In The Elementary School (3) FA MUS
PR: CPR. 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 CPR. 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. Include school observation and participation component.

MUE 4330 Classroom Music In The Secondary School (3) FA MUS
PR: CPR. Development and implementation of methods and techniques for teaching music to the student not participating in secondary school music performing groups.

MUE 4331 Choral Methods In The Secondary School (3) FA MUS

MUE 4332 Instrumental Music In The Secondary School (3) FA MUS

MUE 4352 Foundations Of Instrumental Music (2) FA MUS
PR: CPR. 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. CPR. 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 4909 Directed Study: Music Education (1-3) FA MUS
PR: Senior standing. CPR. To extend competency in teaching field. Offered only as a scheduled class.

MUE 4936 Senior Seminar In Music (2) FA MUS

MUE 4940 Internship: Music Education (1-12) FA MUS
CR: MUE 4936. SIU and CPR. 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.

MUG 3104 Basic Conducting (2) FA MUS
PR: CPR. The study and practical application of basic conducting techniques. Development of skills related to the conducting of various ensembles.

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.

MUH 2019 History Of Popular Music (2) FA MUS
Popular music in the U.S. from 1820 to present. Units on the big band
era, country and western, jazz, Black music, and the rock scene beginning in 1950. May be used for University General Distribution Requirements and may be used to satisfy part of the 6 hours in College Requirement for Fine Arts majors in Art, Dance, Theatre and as a music elective.

MUH 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, 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.

MUH 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 practiced in America from Colonial to present times. Included in the course will be the study of the contributions of various ethnic/minority groups, and discussions of the relevant social issues connected with these contributions.

MUH 3016 Survey Of Jazz FA (3) FA MUS
For non-music majors. Not repeatable. A study of the evolution of America’s “classical” music: Jazz. In addition to presenting an overview of the most prominent artists and literature, the course will focus on the cultural dynamics involved in the development of jazz from 1890 to the present.

MUH 3300 Music History/Medieval And Renaissance (2) FA MUS
PR: CPR. 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.

MUH 3301 Music History/Baroque And Classic MW (3) FA MUS
PR: MUL 2111 or CPR. Required of music majors; open to non-majors with CPR. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods.

MUH 3302 Music History/Romantic And 20th Century MW (3) FA MUS
PR: MUL 2111 or CPR. Required of music majors; open to non-majors with CPR. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods.

MUH 4056 Intercultural Music In The Twentieth Century MW (3) FA MUS
PR: MUH 2051 or MUL 2111 or CPR. An in-depth investigation of composers born after c. 1890, from all parts of the world, who have attempted to integrate elements from two or more cultures into their compositions.

MUH 4801 History Of Jazz (3) FA MUS
PR: MUL 1112 or CPR. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

MUL 2011 The Enjoyment Of Music FA (3) FA MUS
Open only to 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.

MUL 2111 Introduction To Music Literature 6A HF FA (3) FA MUS
PR: MUL 1112 or CPR. 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 Music AF A-F (2-3) FN 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 in performance of the abstract 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 1110 University Marching Band (1-3) 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 large 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 large combinations of voices, string, woodwind, brass, or percussion instruments.

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 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 3420 Saxophone 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 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 performing 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 performing 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 performing 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 performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3433 Brass Choir (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 3444 Marimba 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 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 performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUN 3473 Collegium Musicum (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 3483 Classical Guitar 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 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 performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUN 3714 Jazz 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.
proficiency in their performance media, study and performance of music for various combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

MUO 3503 Opera Workshop (1) FA MUS
PR: DPR. Open to all university students with the necessary proficiency in their performing media. Course of study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

MUS 2010 Recital Attendance (0) FA MUS
PR: Credit 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/concerts throughout the semester.

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 arranged at each course offering.

MUS 4900 Directed Reading (1-3) FA MUS
PR: CPR. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration.

MUS 4905 Directed Study (1-4) FA MUS
PR: CPR. Independent studies 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: CPR. The content of the course will be governed by student demand and instructor interest.

MUS 4931 Selected Studio Topics In Music (1-4) FA MUS
PR: CPR. The content of the study will be governed by individual student demand and instructor interest with an emphasis on individual instruction.

MUS 4835 Music Senior Seminar (1) FA MUS
PR: CPR. S/U only. To aid majors to understand, appraise and perfect their own art through critical and aesthetic judgments of their colleagues.

MUS 5905 Directed Study (1-4) FA MUS
PR: CPR. 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 in basic notation. Will not count as degree credit for music majors.

MUT 1111 Music Theory I (3) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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 2116 Music Theory I (3) FA MUS
PR: MUT 1112, CPR. Required of music majors, continuation of MUT 1111 and 1112.

MUT 2117 Music Theory II (3) FA MUS
PR: MUT 1112, CPR. Required of music majors, continuation of MUT 1111 and 1112.

MUT 2246 Advanced Aural Theory I (1) FA MUS
PR: MUT 1242. To be taken concurrently with MUT 2116, MUT 2117, CPR. 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 1242. To be taken concurrently with MUT 2116, MUT 2117, CPR. 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 2641 Jazz Theory And Improvisation I (1) FA MUS
PR: MUT 1112 and/or CPR. A study of jazz improvisational techniques and related jazz theory.

MUT 2642 Jazz Theory And Improvisation II (2) FA MUS
PR: MUT 2641 or CPR. A study of jazz improvisational techniques and related jazz theory.

MUT 3353 Jazz Composition and Arranging I (3) FA MUS
PR: MUT 1112 and CPR. A course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic, and melodic practices.

MUT 3354 Jazz Composition And Arranging II (3) FA MUS
PR: MUT 1112 and CPR. A course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic, and melodic practices.

MUT 3663 Advanced Jazz Improvisation I (2) FA MUS
PR: MUT 2542 or CPR. A course designed to develop the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students’ solosing 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. 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: CPR. Intensive study and practice in scoring music 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: CPR. Intensive study and practice in scoring music for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

MUT 4411 Sixteenth Century Practice (3) FA MUS
PR: MUT 2117, CPR. 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, CPR. 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, CPR. 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.

MUT 1211 Applied Trumpet (1) FA MUS
PR: CPR. 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.

MUT 1212 Applied French Horn (1) FA MUS
PR: CPR. 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.

MUT 1213 Applied Trombone (1) FA MUS
PR: CPR. 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.

MUT 1214 Applied Euphonium (1) FA MUS
PR: CPR. 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.

MUT 1215 Applied Tuba (1) FA MUS
PR: CPR. 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.

MUT 1311 Trumpet Principal (2) FA MUS
PR: CPR. 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.
MV8 1312 French Horn Principal (2) FA MUS
PR: CPR. 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.

MV8 1313 Trombone Principal (2) FA MUS
PR: CPR. 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.

MV8 1314 Euphonium Principal (2) FA MUS
PR: CPR. 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.

MV8 1315 Tuba Principal (2) FA MUS
PR: CPR. 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.

MV8 1411 Trumpet Major (3) FA MUS
PR: CPR. 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.

MV8 1412 French Horn Major (3) FA MUS
PR: CPR. 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.

MV8 1413 Trombone Major (3) FA MUS
PR: CPR. 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.

MV8 1414 Euphonium Major (3) FA MUS
PR: CPR. 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.

MV8 1415 Tuba Major (3) FA MUS
PR: CPR. 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.

MV8 2321 Trumpet Principal (2) FA MUS
PR: CPR. 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.

MV8 2322 French Horn Principal (2) FA MUS
PR: CPR. 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.

MV8 2323 Trombone Principal (2) FA MUS
PR: CPR. 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.

MV8 2324 Euphonium Principal (2) FA MUS
PR: CPR. 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.

MV8 2325 Tuba Principal (2) FA MUS
PR: CPR. 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.

MV8 2421 Trumpet Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 2422 French Horn Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 2423 Trombone Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 2424 Euphonium Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 2425 Tuba Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3331 Trumpet Principal (2) FA MUS
PR: CPR. 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.

MV8 3332 French Horn Principal (2) FA MUS
PR: CPR. 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.

MV8 3333 Euphonium Principal (2) FA MUS
PR: CPR. 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.

MV8 3334 French Horn Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3335 Tuba Principal (2) FA MUS
PR: CPR. 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.

MV8 3431 Trumpet Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3432 French Horn Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3433 Tuba Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3434 Euphonium Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 3435 French Horn Principal (2) FA MUS
PR: CPR. 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.

MV8 3436 Euphonium Principal (2) FA MUS
PR: CPR. 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.

MV8 3437 French Horn Major (3) FA MUS
PR: CPR. 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.

MV8 4341 Trombone Principal (2) FA MUS
PR: CPR. 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.

MV8 4342 French Horn Principal (2) FA MUS
PR: CPR. 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.

MV8 4343 Euphonium Principal (2) FA MUS
PR: CPR. 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.

MV8 4344 French Horn Major (3) FA MUS
PR: CPR. 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.

MV8 4345 Tuba Principal (2) FA MUS
PR: CPR. 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.

MV8 4441 Trumpet Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 2421 French Horn Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.
MV8 4442 French Horn Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 4443 Trombone Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 4444 Euphonium Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 4453 Tuba Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MV8 5251 Applied Trumpet (2) FA MUS
PR: CPR. 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.

MV8 5252 Applied French Horn (2) FA MUS
PR: CPR. 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.

MV8 5253 Applied Trombone (2) FA MUS
PR: CPR. 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.

MV8 5254 Applied Euphonium (2) FA MUS
PR: CPR. 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.

MV8 5255 Applied Tuba (2) FA MUS
PR: CPR. 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.

MV8 1210 Applied Jazz Piano (1) FA MUS
PR: CPR. 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.

MV8 1213 Applied Jazz Guitar (1) FA MUS
PR: CPR. 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.

MV8 1214 Applied Jazz Bass (1) FA MUS
PR: CPR. 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.

MV8 1219 Jazz Percussion (1) FA MUS
PR: CPR. 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.

MV8 1310 Applied Jazz Piano Principal (2) FA MUS
PR: CPR. 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.

MV8 1313 Jazz Guitar Principal (2) FA MUS
PR: CPR. 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.

MV8 1314 Jazz Bass Principal (2) FA MUS
PR: CPR. 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.

MV8 1319 Applied Jazz Percussion Principal (2) FA MUS
PR: CPR. 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.
MVK 1313 Organ Principal (2) FA MUS
PR: CPR. 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 1413 Organ Major (3) FA MUS
PR: CPR. 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: CPR. 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 I (2) FA MUS
PR: CPR. 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: CPR. 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 2323 Organ Principal (2) FA MUS
PR: CPR. 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: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 2423 Organ Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 2821 Intermediate Piano (2) FA MUS
PR: CPR. 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 3311 Music Majors, Level V (2) FA MUS
PR: CPR. 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: CPR. 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 3333 Organ Principal (2) FA MUS
PR: CPR. 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: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 3433 Organ Major (3) FA MUS
PR: CPR. 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: CPR. Required of all music education and composition majors.
MVK 4343 Organ Principal (2) FA MUS
PR: CPR. 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: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4442 Organ Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVK 4551 Piano Pedagogy I (4) FA MUS
PR: CPR. 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: CPR. 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 5251 Applied Piano (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.

MVK 5253 Applied Organ (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.

MVP 1211 Applied Percussion (1) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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 2211 Percussion Principal (2) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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 1215 Applied Harp (1) FA MUS
PR: CPR. 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 1216 Applied Classical Guitar (1) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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 1314 Double Bass Principal (2) FA MUS
PR: CPR. 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 1315 Harp Principal (2) FA MUS
PR: CPR. 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 1316 Classical Guitar Principal (2) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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.
number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 1415 Harp Major (3) FA MUS
PR: CPR. 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 1416 Classical Guitar Major (3) FA MUS
PR: CPR. 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: CPR. 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 Viola Principal (2) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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 2325 Harp Principal (2) FA MUS
PR: CPR. 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 2326 Classical Guitar Principal (2) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2425 Harp Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 2426 Classical Guitar Major (3) FA MUS
PR: CPR. 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: CPR. 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: CPR. 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: CPR. 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: CPR. 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 3335 Harp Principal (2) FA MUS
PR: CPR. 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 3336 Classical Guitar Principal (2) FA MUS
PR: CPR. 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: CPR. 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 3341 Violin Principal (2) FA MUS
PR: CPR. 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 3342 Viola Principal (2) FA MUS
PR: CPR. 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 3343 Cello Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3344 Double Bass Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3345 Harp Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3346 Classical Guitar Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3341 Violin Principal (2) FA MUS
PR: CPR. 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 3342 Viola Principal (2) FA MUS
PR: CPR. 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 3343 Cello Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3344 Double Bass Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3345 Harp Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 3346 Classical Guitar Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.
MVS 4445 Harp Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4446 Classical Guitar Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 5251 Applied Violin (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 5252 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 5253 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 5254 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 5255 Applied Harp (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 5256 Applied Classical Guitar (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 5257 Applied Voice (1) FA MUS
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 Voice Principle (2) FA MUS
PR: CPR. 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 Voice Major (3) FA MUS
PR: CPR. 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 Voice Principal (2) FA MUS
PR: CPR. 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 Voice Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4341 Voice Principal (2) FA MUS
PR: CPR. 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 Voice Major (3) FA MUS
PR: CPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 5251 Applied Voice (2) FA MUS
PR: CPR. 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 1211 Applied Flute (1) FA MUS
PR: CPR. 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 Oboe (1) FA MUS
PR: CPR. 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 Clarinet (1) FA MUS
PR: CPR. 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 Bassoon (1) FA MUS
PR: CPR. 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 1215 Applied Saxophone (1) FA MUS
PR: CPR. 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 Flute Principal (2) FA MUS
PR: CPR. 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 1312 Oboe Principal (2) FA MUS
PR: CPR. 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 1313 Clarinet Principal (2) FA MUS
PR: CPR. 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 1314 Bassoon Principal (2) FA MUS
PR: CPR. 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 1315 Saxophone Principal (2) FA MUS
PR: CPR. 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 1411 Flute Major (3) FA MUS
PR: CPR. 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 Oboe Major (3) FA MUS
PR: CPR. 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 Clarinet Major (3) FA MUS
PR: CPR. 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 Bassoon Major (3) FA MUS
PR: CPR. 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 1415 Saxophone Major (3) FA MUS
PR: CPR. 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.

MWV 2321 Flute Principal (2) FA MUS
PR: CPR. 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.

MWV 2322 Oboe Principal (2) FA MUS
PR: CPR. 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.

MWV 2323 Clarinet Principal (2) FA MUS
PR: CPR. 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.

MWV 2324 Bassoon Principal (2) FA MUS
PR: CPR. 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.

MWV 2325 Saxophone Principal (2) FA MUS
PR: CPR. 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.

MWV 2421 Flute Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 2422 Oboe Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 2423 Clarinet Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 2424 Bassoon Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 2425 Saxophone Major (3) FA MUS
PR: CPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 3331 Flute Principal (2) FA MUS
PR: CPR. 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.

MWV 3332 Oboe Principal (2) FA MUS
PR: CPR. 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.

MWV 3333 Clarinet Principal (2) FA MUS
PR: CPR. 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.

MWV 3334 Bassoon Principal (2) FA MUS
PR: CPR. 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.

MWV 3335 Saxophone Principal (2) FA MUS
PR: CPR. 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.

MW 3431 Flute Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MW 3432 Oboe Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MW 3433 Clarinet Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 3433 Bassoon Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 3434 Saxophone Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 4341 Flute Principal (2) FA MUS
PR: CPR. 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.

MWV 4342 Oboe Principal (2) FA MUS
PR: CPR. 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.

MWV 4343 Clarinet Principal (2) FA MUS
PR: CPR. 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.

MWV 4344 Bassoon Principal (2) FA MUS
PR: CPR. 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.

MWV 4345 Saxophone Principal (2) FA MUS
PR: CPR. 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.

MWV 4441 Flute Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 4442 Oboe Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 4443 Clarinet Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 4444 Bassoon Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 4445 Saxophone Major (3) FA MUS
PR: CPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MWV 5251 Applied Flute (2) FA MUS
PR: CPR. 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.

MWV 5252 Applied Oboe (2) FA MUS
PR: CPR. 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.

MWV 5253 Applied Clarinet (2) FA MUS
PR: CPR. 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.

MWV 5254 Applied Bassoon (2) FA MUS
PR: CPR. 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.

MWV 5255 Applied Saxophone (2) FA MUS
PR: CPR. 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 2935 Selected Topics In Nursing (1-3) NU Nur
PR: CPR. Freshman or sophomore standing. Open to non-majors. Content will depend upon student demand and faculty interest and may focus on any area relevant to health care. May involve class,
NUR 3684C Health Assessment Across The Life Span (3) NU NUR
PR: Admission to nursing major or Cl. 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 Cl. Introduction to evolving role of the professional nurse. Examines historical 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 Cl. 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. Nursing Majors. Examines adults with alterations in health maintenance, nutritional/metabolic, elimination, and sexuality/reproductive functional health care patterns. Critical thinking is used to analyze effects of changes in health status.

NUR 3215L Clinical Practice in Adult Health I (3) NU NUR

NUR 324C 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 Management (3) NU NUR
PR: NUR 3113 or Cl. Nursing Majors. Introduction to contemporary bioethical 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 Cl. 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 Cl. 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 LW (3) NU NUR
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 influences on responses to HIV; and how health care professionals respond to public health and clinical challenges.

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 wellness and health promotion and application to nursing practice.

NUR 4385C Specialized Techniques In Child Health Assessment (3) NU NUR
Designed to teach the reliable administration and interpretation of the NCAIT II and the HOME instruments. Inter-observer reliability will be achieved through observation of parent-child interaction.

NUR 4525 Psychiatric/Mental Health (2) NU NUR

NUR 4525L Clinical Practice In Psychiatric/Mental Health (1) NU NUR
PR: NUR 4516, NUR 4516L, NUR 4536, NUR 4536L. Concurrent with NUR 4525. Nursing Majors. Focuses on clinical intervention using critical thinking and communication skills with clients who require comprehensive psychiatric care. Opportunities are offered to apply knowledge of psychopharmacology and psychopharmacologic therapies.

NUR 4516 Family Health (4) NU NUR

NUR 4516L Clinical Practice In Family Health (3) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4516. Nursing Majors. Includes therapeutic interventions for childbearing and child-rearing families within a variety of settings.

NUR 4536 Community Health (2) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4536L. Nursing Majors and admission to the major for RN or BS students. Focuses on theories/concepts essential to community health nursing; emphasizing illness prevention and health promotion of individuals, families, communities. Roles of community health nurses and environments that affect health are explored.

NUR 4536L Clinical Practice In Community Health (2) NU NUR
PR: NUR 4216, NUR 4216L, NUR 4041. Concurrent with NUR 4536. 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 ethical/legal 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 process of stabilization and relapse prevention phases of treatment for addictions. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for criminal socioeconomic, political and ethical/legal factors.

NUR 4645 Substance Abuse Across the Life Span (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 across the life span is explored.

NUR 4765C Rehabilitation Across the Life Span (2) NU NUR
PR: NUR 4616, 4616L, 4636, 4636L. Nursing Major or Cl. Basic concepts of rehabilitation related to human responses. Analysis of the changes in health status and rehabilitation implications.

NUR 4766 Critical Care (2) NU NUR
PR: NUR 4616, NUR 4616L, NUR 4636, NUR 4636L. Nursing Majors or Cl. Basic concepts of critical care nursing, focusing on selected health problems to analyze the effects 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 4838 Leadership/Management (3) NU NUR
PR: NUR 4616, 4616L, 4636, 4636L. Nursing Majors and admission to major for RN to BS students. Examines health care delivery systems and explores principles of leadership and management and ethical/legal issues within the systems. Skills of leaders and managers are implemented in nursing practice with individuals and groups. Project requirements individually planned with faculty preceptor.

NUR 4935 Selected Topics In Nursing (2-8) NU NUR
PR: Junior or senior standing or permission of faculty. Content will depend upon student demand and faculty interest and may focus on any area relevant to nursing practice. May involve class, seminar, and/or clinical laboratory.

NUR 4948L Preceptorship (3) NU NUR
PR: NUR 4552, NUR 4525L, 4616, 4616L, 4636, NUR 4636L. NUR 4552 Credit for individually conducted practicum collaboratively planned by students, faculty and agency personnel.

OCE 2001 Introduction to Oceanography NS (3) AS MSC
Overview of biological, chemical, geological, and physical oceanography. Also listed under Geology.

OCE 4930 Selected Topics in Marine Science (1-4) AS MSC
Selected topics in the marine sciences including marine biology, marine chemistry, marine geology, 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 communication of literary and other written materials.

ORI 3950 Communication As Performance Lab (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 theory and prosodic 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 of Poetry and AS SPE
PR: ORI 2000. CR: ORI 3950. This course features adaptation, direction, and performance of literature for video productions.

PSY 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 4204 Public Financial Administration (3) AS PAD
Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

PAD 5035 Issues in Public Administration and Public Policy (3) AS PAD
SR & GS only Selected issues and topics in Public Administration and Public Policy.

PAD 5533 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 government structures, effects on the administrative process.

PAD 5836 Comparative Public Administration (3) AS PAD
GS or Sr How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.

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 biomedical 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 Design to initiate high school students to the fundamentals of scientific research. Students are given lectures and perform laboratory exercises in pathogenic 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 211, BSC 211L, 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
CR/PR: PCB 3023. Laboratory portion of Cell Biology. Metabolic processes within the cell are studied in a laboratory setting under the guidance of an instructor.

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.

PCB 3043L Principles of Ecology Laboratory (1) AS BIO

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
CR/PR: PCB 3063. Laboratory investigation techniques in general genetics including Mendelian and non-Mendelian relationships, and gene interactions.

PCB 4064C Experimental 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 3053. 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
CR/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 fresh-water environments. Lec.

PCB 5306L Limnology Laboratory (1) AS BIO
CR/PR: PCB 5306 Laboratory portion of Limnology. Laboratory and field experience in the study 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 5615C Evolutionary Genetics (3) AS BIO
PR: PCB 3204 and PCB 3203 or consent of instructor. Study of factors such as mutation, natural selection, and genetic drift that modify the genetic structure of populations.

PCB 5845C Principles of Neuroscience (4) AS BIO
PR: PCB 4723 Study of the mammalian brain's structure and function, with an emphasis on the neuroanatomy, neuropharmacology, and neurophysiology of the human brain. Topics include brain imaging, dementia, and mechanisms of learning/memory. Brain technique are also discussed, as are basic neuropathological mechanisms 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 2321 Volleyball (2) ED EDJ
S/U only. Review and refinement of fundamental skills, presentation and practice of the various offensive strategies.

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 Strength and Aerobic Development (2) ED EDJ
S/U only. Strength development activities combined with aerobic training for individual improvement.

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 2141 Jogging (2) ED EDJ
S/U only. Introduction to the knowledge and techniques necessary for increasing cardiorespiratory efficiency. 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. DPR. 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. ARC certification offered.

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 stroking.

PEP 3940 Practicum in Health Promotion/Wellness (4) ED EDP
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) ED 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 2101 Aquatics (2) ED EDP
PR: Red Cross beginning swimmer's skills or equivalent. Includes analysis of swimming skills, teaching methodology, conducting class activities, and organizing and conducting aquatic programs.

PEQ 3160 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 2910 Personal/Professional Development Seminar (3) EDP
PR: Majors only. Identification of personal and professional knowledge, skills, and attitudes necessary for successful professional practice of physical education and wellness leaders. Introduction to career opportunities and the historical, philosophical, and sociological foundations of the profession. Development of a personal-professional development plan. Field work required.

PET 2922 Care and Prevention of Physical Injuries (3) ED 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 MW (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.

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. Fall.

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, hip, pelvis and gait. Spring.

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 orthotic devices commonly used in athletic training and sports medicine settings. Theory and practice in risk management and injuries related to environmental factors. Fall.

PET 3624C Emergency Management of Athletic Trauma (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. Spring.

PET 3630C 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, static and dynamic training, and a variety of common exercise equipment. Summer.

PET 3640 Adapted Physical Education (3) ED EDP
A study of characteristics, programming needs and teaching of physical education for students with disabilities.
PET 3650 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. Fall.

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 a 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. Fall.

PET 3671L Clinical Instruction in Athletic Training II (3) ED EDP
PR: PET 3670C, CC. Continuation of clinical experience utilizing new skills under the direction of a 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. Spring.

PET 4131 Trends and Tasks - Elementary Physical Education (3-1) ED EDP
Topics are selected to reflect student need and faculty interest.

PET 3942 Physical Education Internship: Middle School (4) ED 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) 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) 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) EDP
The application of principles from philosophy, psychology, sociology, and physiology to competitive athletes and coaching.

PET 4363 Exercise Physiology II (3) EDP
PR: PET 3352. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritis, elderly, and high performance athletes. Open to non-majors.

PET 4384 Health-Fitness Appraisal & Exercise Prescription (3) 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 4401 Organization & Administration of Physical Education Programs (3) EDP
A study of organizational and administrative procedures for physical education programs in elementary and secondary schools. Includes scheduling, budget, facilities, extra-curricular programs, and the selection and supervision of staff.

PET 4404 Organization & Administration of Wellness Programs (3) 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.

PET 4422 Instructional Design and Content: Physical Education Elementary (3) EDP
This is the second of a three-course sequence in which students study movement forms and instructional processes suitable for elementary age students.

PET 4433 Instructional Design and Content: Physical Education Elementary (3) EDP
This course prepares students to select, plan, conduct complex movement experiences for students K-6.

PET 4442 Instructional Design and Content: Physical Education Secondary (3) EDP
Development of knowledge and skills related to the teaching of selected movement activities such as team sports, gymnastics, and physical fitness. Focus is on understanding mechanical principles utilizing within those activities. In addition, an emphasis on instructional progression and the preparation of materials for instruction at the secondary school level.

PET 4443 Instructional Design and Content: Physical Education Secondary II (3) EDP
In this course, students are prepared to plan, conduct, and evaluate complex movement experiences in games, dance, gymnastics and physical fitness appropriate for students.

PET 4527 Management of Athletic Injuries (3) EDP
PR: CC. Advanced theory of pathlogy in injury, management of tissue and bone healing environments, disease, internal illness and injury and other general medical conditions. Issues related to radiology and pharmacology are also discussed. Summer.

PET 4632C Therapeutic Modalities (3) EDP
PR: CC. This course provides an introduction to the theoretical and practical applications of modalities for the prevention, management and rehabilitation of physical dysfunction. Emphasis will be placed on the use of pharmacology, thermotherapy, cryotherapy, electrical stimulation, hydrotherapy, fluidotherapy, ultrasound, biofeedback and manual techniques will be emphasized. Fall.

PET 4633C Therapeutic Rehabilitation (3) EDP
PR: CC. Theories and applications methods of comprehensive therapeutic treatment and rehabilitation programs for injuries commonly sustained by the physically active. Spring.

PET 4672L Clinical Practice in Athletic Training I (3) EDP
Continuation of clinical experience utilizing new skills under the direction of an NATABOC certified/state licensed athletic trainer accompanied by a one-hour seminar each week. This course provides students with the opportunity to develop competence in a variety of mid-level and advanced athletic training skills. Students may be assigned to a USF athletic team and/or one or more off-campus clinical affiliations. Students at this level will develop instruction skills by acting as peer-supervisors for level I and II students. Fall.

PET 4673L Clinical Practice in Athletic Training II (3) EDP
Continuation of clinical experience utilizing new skills under the direction of an NATABOC certified/state licensed athletic trainer accompanied by a one-hour seminar each week. This course provides students with the opportunity to develop competence in a variety of mid-level and advanced athletic training skills. Students may be assigned to a USF athletic team and/or one or more off-campus clinical affiliations. Students at this level will develop instruction skills by acting as peer-supervisors for level I, II and III students. Spring.

PET 4905 Independent Study: Professional Physical Education (1-4) EDP
SU only. Specialized independent study determined by the student's needs and interests.

PET 4933 Seminar in Sports Medicine (3) EDP
The advanced study and discussion of specialized topics and contemporary issues related to the field of athletic training. Emphasis is on the roles and responsibilities of medical and allied health professionals comprising the sports medicine team. Spring.

PET 4935 Case Studies in Athletic Health Care (3) EDP
PR: CC. Capstone course intended to provide a unified opportunity to utilize concepts, principles and skills learned from other athletic training courses. Spring.

PET 4942 Physical Education Internship: Elementary (4) EDP
SU only. A part-time internship in elementary school physical education. Focus on the nature of the total elementary school curriculum, characteristics of students, and application of appropriate content and instructional competencies.

PET 4944 Physical Education Internship: Secondary (4) EDP
SU only. A part-time internship in high school level physical education with focus on the relationship of physical education to the needs of the early adolescent and the implementation of appropriate content and methodology.

PET 4946 Associate Teaching Physical Education: Elementary (12) EDP
SU only. A full-time internship in the elementary school in which the student undertakes the full range of teaching responsibilities in elementary physical education.
PET 4947 Associate Teaching
Physical Education: Secondary (12) ED EDP
S/U only. A full-day internship in middle, junior or senior high school physical education programs with focus on the implementation of appropriate content and methodology to meet the needs of secondary students.

PET 4947C Athletic Training Practicum (2) ED EDP
PR: PET 4622, admission to the Physical Education program. DPR. A ten-week training room practicum on skills in preventive stripping and review first aid and rehabilitation techniques, followed by a five-week practicum with local high schools or professional teams.

PGY 2110C Color Photography (3) AS COM
PR: PGY 3620 or CI. Laboratory required. Development of knowledge and skills in color photography with publication and presentation. Emphasis is on the use of transparency and negative color materials in their application to the media.

PGY 2401C Beginning Photography (3) FA ART
Introduction to the expressive possibilities of photographic media. Projects and assignments will introduce students to both traditional and experimental ways of working with light-sensitive materials with an emphasis on the interdependence of form, technique, and concept. The course will also provide an overview of significant trends and directions in contemporary art photography.

PGY 3000 Photography in Ancient Culture (3) AS AMS
A survey of photography as an art and a craft in America since the mid-nineteenth century. Attention directed to the technological innovations, leading personalities, major movements, and memorable icons. Open to majors and non-majors.

PGY 3610 Photojournalism I (3) AS COM
PR: MCR 3500 and MMC 3622. Laboratory required. Camera operation, darkroom techniques, picture composition; editing, ethics, history, and laws in connection with photojournalism.

PGY 3620 Photojournalism II (3) AS COM
PR: PGY 3610. Laboratory required. Advanced process and practice of photography for publication. Content includes advanced camera and laboratory techniques, publication requirements and theory of photochemical color separation used in magazine and newspaper. Emphasis is placed on student production.

PGY 4410C Advanced Photography (3) FA ART
PR: PGY 2401C. Continued problems in photography.

PGY 4420C Photography (4) FA ART
PR: CI. Advanced work in photography and related media leading to development of personal/expressive statements.

PHI 2000 Introduction to Philosophy 6A HP (3) AS PHI
An introduction to selected philosophical problems and traditions.

PHI 3062 History of Philosophy. Ancient and Medieval (3) AS PHI
A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

PHI 3420 History of Philosophy: Modern (3) AS PHI
A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

PHI 4440 Continental Philosophy (3) AS PHI
A study of the developments in post-Christian European philosophy.

PHI 4600 Contemporary Philosophy 6A MW (3) AS PHI
Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

PHI 4700 American Philosophy 6A MW (3) AS PHI
Major traditions in American thought: Puritanism, the Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic philosophy in relation to American culture.

PHI 4820 Chinese Philosophy (3) AS PHI
A survey of Confucianism, Taoism and other aspects of Chinese thought. The course is available to both majors and non-majors and does not have laboratory sections associated with it.

PHI 1103 Critical Thinking SS (3) AS PHI
Methods of thinking that lead to reliable conclusions, with emphasis on concrete cases in ordinary thinking and the sciences.

PHI 2100 Introduction to Formal Logic 6A QM (3) AS PHI
An elementary study of propositional and categorical, class and syllogistic logic with some attention to basic problems of logical theory.

PHI 2600 Ethical Theory (3) AS PHI
A study of ethical theories, concepts, problems and methods.

PHI 2631 Ethics and Business SS (3) AS PHI
An application of traditional ethical theories to contemporary problems in business.

PHI 3404 Scientific Method (3) AS PHI
Philosophy of induction, 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, sexism, abortion, poverty, crime, war, suicide, and human rights in general.

PHI 3633 Biomedical Ethics (3) AS PHI
This course will focus on ethical issues arising from advances in medical practice, 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, divided loyalty, racism/sexism, etc.

PHI 3640 Environmental Ethics SS (3) AS PHI
A study of 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, featuring reflective comparisons of African and Western categories of thought.

PHI 4300 Theory of Knowledge 6A MW (3) AS PHI
A study of the various approaches to 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, biological, psychological, 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, etc.

PHI 4632 Feminist Ethics MW (3) AS PHI
A study of the various approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hollander 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, mortal nihilism, narrative ethics—and on specific types of theories—deontological theories, consequentialist theories, rights-based theories, virtue theories.

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 metatheoretical 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, syntactical, and functional theories of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage. Seminar format.

PHI 5513 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 3300 Art History 6A SS (3) AS PHI
Discussion of the theories of art history 6A SS (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 philosophic standpoint including crime, justice, punishment, free speech, insan-
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 nationalism. Works of individuals 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 4331 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 (3) AS PHI
A study of recent feminist philosophical approaches to epistemology, aesthetics or political philosophy. May also be taken for credit in Women's Studies.

PHP 3786 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.

PHP 4100 Plato 6A MW (3) AS PHI
The examination of Plato will include the dialogues Protagoras, Georgias, Meno, Republic, etc.

PHP 4410 Aristotle 6A MW (3) AS PHI
Study of Aristotle's philosophy.

PHP 4740 The Rationalists 6A MW (3) AS PHI
A careful study of the epistemologies of Descartes, Spinoza, Leibniz, and Malebranche.

PHP 4745 The Empiricists 6A (3) AS PHI
A careful study of epistemologies of Locke, Berkeley, Hume, and Thomas Reid.

PHP 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.

PHP 4788 Philosophy of Marx and Engels 6A MW (3) AS PHI
A critical survey of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbart Marcuse. Hegelian foundations of Marxist philosophy analyzed in detail.

PHY 2020 Conceptual Physics NS (3) AS PHY
A study of Physics as a modern science. 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 method are emphasized.

PHY 2048 General Physics (3) AS PHY
PR: MAC 2281 or MAC 2311. 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 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 Laboratory (1) AS PHY
PR: MAC 2281 or MAC 2311. Must be taken concurrently with lecture and, if dropped, then 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 (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 and PHY 2049 courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2048L General Physics Laboratory (1) 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 and PHY 2049 courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2053 General Physics (3) AS PHY
PR: MGF 1105 and MAC 1114, or MAC 2147. Must be taken concurrently with lab and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053L and PHY 2049L courses. Second semester of a two semester sequence of non-calculus-based general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics, and thermodynamics) for science students.

PHY 2053L General Physics Laboratory (1) AS PHY
Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053L and PHY 2049L courses. First semester of a two semester sequence of general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) laboratory for science students.

PHY 3010 Modern Physics (3) AS PHY

PHY 3121 Mechanics I (3) AS PHY
PR: PHY 2048 or PHY 3101. CR. MAC 2283 or MAC 3113 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 3323 Electricity and Magnetism I (4) AS PHY
PR: PHY 2049, PHY 3221, MAC 2283 or MAC 2313. Electrostatic fields and potentials, dielectrics, classical conductivity, RC circuits, Fourier and finite element methods. Laboratory. First semester of sequence PHY 3323C, PHY 4324C.

PHY 3221 Mechanics I (3) AS PHY
PR: PHY 2048 or PHY 3101. CR: MAC 2283 or MAC 3113. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

PHY 3822L Intermediate Laboratory (2) AS PHY
PR: PHY 3310 or PHY 2049 and equivalent CR. 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 4422 Mechanics II (3) AS PHY
PR: PHY 3221; CR: MAP 2302. Continuation of PHY 3221. Coupled oscillators and normal modes: moving coordinate systems; 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; CR: MAP 2302. Continuation of PHY 3323C. Introduction to special relativity, magnetic fields and potentials, magnetic materials, RL and RLC circuits, Maxwell's equations and applications. Laboratory.

PHY 4523 Statistical Physics (3) AS PHY

PHY 4604 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 4424C Introduction to Electronics and Test Instrumentation (4) AS PHY
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 breadboarding electronic circuits and using test instrumentation.
PHYS 4823L Advanced Laboratory (2) AS PHY 
PR: PHY 3822L. Experimental work primarily related to modern physics. Emphasis on experimental techniques used in recent research.

PHYS 4901 Independent Study (1-3) AS PHY 
PR: C/ADVISE. 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.

PHYS 4910 Undergraduate Research (1-4) AS PHY 
PR: Student 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.

PHYS 4930 Physics Seminar (1) AS PHY 
PR: Senior or advanced junior standing or CC. S/U only. All 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.

PHYS 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 under the supervision of a faculty member.

PHYS 5720C Electronics for Research (3) AS PHY 
PR: CI. A rigorous introduction to the fundamentals of analog and digital electronics. Theoretical circuit analysis and weekly labs introduce practical use of diodes, transistors, analog and digital ICs, breadboarding techniques and electronic test instrumentation. Spring Semester only.

PHYS 5937 Selected Topics in Physics (1-4) AS PHY 
PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

PHYS 2101 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.

PHYS 2102 Problems in General Physics I (1) AS PHY 
CR: PHY 2053. A course designed to help students develop problem-solving skills for PHY 2053.

PHYS 2103 Problems in General Physics II (1) AS PHY 
CR: PHY 2054. A course designed to help students develop problem-solving skills for PHY 2054.

PHYS 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, transformation of coordinates, and variational calculus.

PHYS 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.

PHYS 5304 Nuclear Physics (3) AS PHY 
PR: PHY 4604 or CI. Spring Semester. Nuclear forces, nuclear structure, decay, nuclear reactions, and high energy physics.

PHYS 5405 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 PHYS 5405, PHYS 5406.

PHYS 5505 Plasma Physics I (3) AS PHY 
PR: PHY 4324 or CI. Fall Semester. Introduction to Boltzmann, magnetohydrodynamic and orbit approaches to plasmas. Longitudinal and transverse waves in plasmas. Collisions and radiation instabilities.

POL 1120 Beginning Polish I (4) AS MLL 
CR: POL 1120L. This course features all four major skills: listening, reading, speaking, and writing. Grammar exercises, dictation, readings and vocabulary-building are central in this first course. Knowledge of Russian can help. S/U available.

POL 1120L Beginning Polish I Laboratory (1) AS MLL 
CR: POL 1120L. 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.

POL 1121 Beginning Polish II (4) AS MLL 
PR: POL 1120 or equivalent. CR: POL 1121L. This course continues the four basic skills of POL 1120, with continued emphasis on structures, dialogues, readings, dictation, and vocabulary-building.

POL 1121L Beginning Polish II Laboratory (1) AS MLL 
CR: POL 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.

POL 4905 Directed Study (1-5) AS MLL 
Departmental approval required. S/U only. Permits study options in Polish not available in regularly scheduled curriculum at departmental discretion.

POR 1120 Beginning Portuguese I (4) AS MLL 
CR: POR 1120L. Development of basic skills in listening and reading comprehension, speaking, and writing of Brazilian Portuguese.

POR 1120L Beginning Portuguese I Laboratory (1) AS MLL 
CR: POR 1120. Concurrent enrollment with a lecture section is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POR 1121 Beginning Portuguese II (4) AS MLL 
PR: POR 1120 or equivalent. CR: POR 1121L. Continued development of basic skills in listening and reading comprehension, speaking, and writing of Brazilian Portuguese.

POR 1121L Beginning Portuguese II Laboratory (1) AS MLL 
CR: POR 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.

POR 2200 Intermediate Portuguese I (3) AS MLL 
PR: POR 2200 builds upon the four language skills (speaking, comprehension, reading, and writing) introduced in POR 1120 and POR 1121.

POR 2201 Intermediate Portuguese II (3) AS MLL 
For language students who intend to attain basic proficiency.

POR 3440 Portuguese for Business and International Trade (3) AS MLL 
PR: POR 1120 or equivalent. An introduction to Brazilian Portuguese as used in carrying on ordinary business transactions.

POS 2041 American National Government (3) AS POL 
Analysis of basic principles and procedures of the American political system with emphasis on current issues and trends.

POS 2080 The American Political Tradition SS HP (3) AS POL 
This course is an introductory survey of the historical developments and changes in American political institutions, processes, and thought.

POS 2112 State and Local Government and Politics (3) AS POL 
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.

POS 3142 Introduction to Urban Politics and Government (3) AS POL 
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.

POS 3145 Governing Metropolitan Areas (3) AS POL 
Examines governmental units and interactions in metropolitan areas, proposals for changes in governance, and policy areas of area-wide concern, such as human services.

POS 3173 Southern Politics (3) AS POL 
Examines elections in the South, and the role of interest groups and the state and federal government in facilitating change.

POS 3182 Florida Politics and Government (3) AS POL 
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.

POS 3273 Practical Politics (3) AS POL 
PR: POS 2041 or POS 3453 or CI. Coordinated scholarly and practical activity through class and supervised laboratory work in local political parties and election campaigns.

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 and the major issues involving environmental law. Specialized, the course provides a survey and an analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. The course will also address major problems relating 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 3931 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 comparism.

POS 4614 Constitutional Law I (3) AS WST
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 WST
PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on 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 aspects 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: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.

POS 4970 Honor Thesis (3) AS POL
PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.

POS 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 topics and issues in Urban Government and Politics.

POS 5003 Introduction to Political Theory (3) AS POL
Explores various kinds of theory for understanding political life: normative theory, empirical theory, historicism theory, analytical theory, and critical theory.

POS 5013 Classical Political Theory (3) AS POL
Analysis of the thinking of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POS 5045 Modern Political Theory (3) AS POL
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.

POS 5064 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.

POS 4109 Politics and Literature 6A LW (3) AS POL
Critical examination of the connections between politics and literature.

POS 4204 American Political Thought (3) AS POL
Examines political writings in the U.S. and responses to critical issues in history, beginning with the Founding Fathers, and culminating in recent contributions and understanding contemporary political problems and solutions.

POS 4101 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.

POS 4936 Selected Topics in Political Theory (3) AS POL
Selected topics or thinkers in political theory.

POS 5626 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 as well as an evaluation of constitutional, biochemical, 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.

PSY 2012 An Introduction to Contemporary Psychology SS (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 developmental psychology).

PSY 3044 Experimental Psychology SS (3) AS PSY
PR: PSY 2012, psychology major 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 a grade of C or better or CI. 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 4510 Supervised Practicum and Field Experience in Applied Behavior Analysis (1-6) AS PSY
Does not count toward major credit (S/U only). Field experience in Behavior Analysis in applied settings. Under the supervision of Certified Behavior Analysts, students design, implement and evaluate behavior analysis services. Includes both field practicum and didactic components. May be repeated for a maximum of 6 hours.

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 phenomenonological 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 4915 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 Selected Topics: Seminar (3) AS PSY
PR: Upper-level 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 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
Examines 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 implement-ation of environmental policy.

PUP 4323 Women and Politics (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 5000 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 scenarios based on case scenarios.

PUR 4401 Public Relations: Issues, Practices and Problems (3) AS COM
PR: PUR 3000. The theory of public relations practice and its application in the real world, the role of the public relations practi-citioner in business, government, and social institutions, and the nature of specialized areas of the practice. Identification of public issues, analysis of potential impact on organizations and develop-ment of strategies to deal with them successfully and responsibly.

Communication techniques and trends.

PUR 4700 Public Relations Practicum (1) AS COM
PR: Senior standing 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: PUR 4401, PUR 4100, and MMC 4420. As final course in Public Relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of public relations studies and preparation 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 2233. Description of sample data; calculation of probabil-ities, frequency functions of random variables, the binomial and normal distributions; sampling theory and estimation; test of hypoth-eses; elements of Bayesian decision theory.
QMB 3200 Business And Economic Statistics II (3) BA QMB
PR: MAC 2233, QMB 2100. Theory and use of statistical inference. Point and interval estimations; criteria for choosing estimators and decision rules, hypotheses tests; analysis of variance; correlation; multiple regression; and nonparametric methods.

QMB 4500 Quantitative Approach for Business Decisions (3) BA QMB
PR: ISM 3431. The use of systematic approaches and management science tools for decision making and problem solving in an organizational setting. Emphasis is on quantitative approaches for problem identification, analysis, choice and implementation.

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions (3) AS REH

RCS 5035 Rehabilitation Counseling: Concepts and Applica-tions (3) AS REH
PR: Pupil 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 5080 Medical Aspects of Disability (3) AS REH
PR: RCS 5700 or CR A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Exam-

ines the relationship of client handicaps, physical and mental, to professional rehabilitation and medical treatment.

RCS 5404 Foundations of Mental Health Counseling (3) AS REH
PR: A clinical building course on the utilization of one's self in mental health counseling relationship. 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, mental health and addiction settings.

RCS 5480 Substance Abuse I (3) AS REH

RCS 5700 Legal, Ethical, 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 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
Will not be counted toward the English major. 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 comprehensive skills. An independent study approach is also available for students who prefer to assume responsibility for their own progress.

REA 1605 Learning Strategies Within Academic Disciplines (2) AS ENG
Will not be counted toward the English major. 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.

REA 2505 Vocabulary (3) AS ENG
Will not be counted toward the English major. A practical course in rapid vocabulary improvement for students in all areas. Stress is on words in context.

RED 4310 Early Literacy Learning (3) ED EDE
PR: Admission to College of Education. Prepares preservice teachers to understand the nature of literacy and the learning principles and instructional strategies necessary to provide literacy instruction to emergent, novice, and transitional readers and writers.

RED 4511 Literacy in the Intermediate and Middle Grades (3) EDEDR
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 mate-rials appropriate for remedial, multicultural, and mainstream students ways to promote literacy development across the curriculum, and theories of 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 within 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 market.

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 patterns, and the role of taxation 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 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 with 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 include Judaism, Christianity, Islam, Taoism, 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 the 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 Basin.

REL 3003 Introduction to Religion (3) AS REL
This course examines the phenomenon of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) 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 race, gender and human evolution.

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-Portable immigra-
tion; 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 social institutions. Open to non majors.

REL 3145 Women and Religion 6A (3) AS REL
Analyzes how women have been viewed in the past; how they are viewed today; and how they are viewed in the future. The course offers an exploration of ideas about life after death and its relation to 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 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 archaellogical 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 contrast itself with contemporary global religion. We will treat as Islam the normative statements of the Qu'ran 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. It is designed to the needs of students interested in the subject of Eastern and Western 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 'indianeness' which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Baha'i. Readings from classical texts and modern literature.

REL 3362 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).

REL 3387 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 examined.

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
An examination of the central ideas of recent religious thinkers; such as Francis of Assisi, 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.

REL 3602 Classics of Judaism 6A MW (3) AS REL
PR: One course in Religious Studies. How to read the principal documents of Judaism beyond the Old Testament, particularly the Mishnah, Talmuds, and Midrash.

REL 3611 History of Judaism (3) AS REL
A study of the evolution of the religion of ancient Israel from the Exodus to the end of the second century of our era, seen against the background of its historical, geographical, political, social and spiritual setting.

REL 3613 Modern Judaism 6A MW LW (3) AS REL
A study of Jewish life in the West since 1789, emphasizing Jewish beliefs, practices, and institutions.

REL 3801 History of Writing (2) AS REL
Study, in reasonable detail, of the history and evolution of writing within its societal context. We will stress the development of writing in Mesopotamia, Egypt, and the Mediterranean World, looking at the transition from oral to written literature and its impact on religion.

REL 3900 Directed Readings (1-4) AS REL
PR: CI. Individual guidance in concentrated reading on a selected topic.

REL 3936 Selected Topics (1-4) AS REL
Course contents depend on students' needs.

REL 4113 The Hero and Religion 6A MW (3) AS REL
A study of the way in which embedded religious models help to fashion the representation of an heroic protagonist. The focus of the course will be on the relationship between the hero and the "other"; as differentiated by race, gender, ethnicity, or merely inner being.

REL 4133 Mormonism in America MW (3) AS REL
A study of Mormonism in America as an example of a new religion. Includes the study of history, myths and symbols, texts, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 4160 Egyptian Religions (3) AS REL
Study of the Ancient Egyptian religion, as reflected in the art and architecture, language, literature, and culture (alternate years) of both kingdoms.

REL 4161 Religion, Technology and Society (3) AS REL
An exploration of the ways in which religion and technology have interacted in Western civilization so as to both express and transform human values and identity. Special emphasis will be given
to the value questions raised by modern technology.

REL 4171 Contemporary Christian Ethics 6A MW (4) AS REL
PR: Jr. standing or CI. A survey of representative approaches to contemporary Christian ethics and their application to a number of ethical issues peculiar to personal and social life in contemporary society, with an emphasis on issues of race and gender and of violence and non-violence.

REL 4177 Comparative Religious Ethics 6A MW LW (4) AS REL
A comparative study of religious ethics emphasizing how 20th century social activists, such as Gandhi and M. L. King Jr. and eco-feminists such as Rosemary Ruether and Joanna Macy, have drawn upon and transformed traditional religious stories and spiritual practices in order to create a cross-cultural and inter-religious ethic for a multi-cultural world.

REL 4193 Comparative Mysticism (4) AS REL
A course designed to acquaint the student with the nature of mystical experience, and some of the varieties of mystical experience recorded in the writings of the mystics, East and West.

REL 4221 Who Wrote the Bible (Genesis-Kings) 6A MW LW (4) AS REL
A critical examination of Genesis through 2 Kings. This course focuses on the history of the formation of the text and the development of the religious traditions represented therein. Special attention will be paid to Israelite Law, Covenant Theology, and the history of the composition(s) of the Children of Israel in their Ancient Near Eastern context.

REL 4250 Jesus’ Life and Teachings (4) AS REL
An examination of the various historical studies made in the quest of identifying Jesus as an historical figure. The concern is to make a reasonable assessment of who Jesus was and what he was saying to the Jews in Palestine at the beginning of the common era.

REL 4333 Hinduism (4) AS REL
The philosophy of the saints, the complex rituals of the Brahmins; the art of its temples; the psychology and physiology of yoga; the social rigidity of the caste system; the esoteric science of meditation; the asceticism of Mahatma Gandhi—all of these are Hinduism, and more. Close readings of classical texts, philisophic systems and medieval poems.

REL 4343 Buddhism in India, Sri Lanka, and South East Asia (4) AS REL
The life and teachings of the Buddha; the order of monks and nuns; the Buddhist Emperor Ashoka; schisms; the rise of the Great Vehicle and the philosophy of emptiness; Buddhist missions; Buddhist art and culture. Buddhism and national liberation; contemporary social and political issues.

REL 4344 Buddhism in China, Japan, and Tibet (4) AS REL
Mahayana Buddhism followed the silk routes to China and Japan, and later it crossed the Himalayas into Tibet. An overview of the variety of schools and practices of Buddhism and its adaptation by these ancient cultures.

REL 4626 Reason in Religion: Talmudic Logic MW (3) AS REL
A study of the development of thought and legal analysis of the Talmud of Babylonia, the way in which applied logic and practical reason work in a religious definition of the social order; the dialectical argument.

REL 4670 Judaism and Christianity After the Holocaust 6A MW LW (4) AS REL
This course will explore the impact of the Holocaust on Jewish and Christian thought and identity in the light of the history of religious and cultural anti-Semitism in Western civilization.

REL 4910 Undergraduate Research (1-4) AS REL
PR: Junior standing and CI. Individual investigations with faculty supervision.

REL 4930 Selected Topics (3) AS REL
Course contents depend on student demand and instructor’s interest and may range over the whole field of Ancient Religions. Offerings on a semi-regular basis include the Bible as History 3.

REL 4971 Seminar in Religion (3) AS REL
PR: Majors and minors only or CI A course required for Religious Studies majors and minors, whose prior religious studies have prepared them for a cooperative creative and/or research effort in the area of religion.

REL 4936 Selected Topics (1-4) AS REL
PR: Junior standing. Individual investigations with faculty supervision.

REL 4939 The Development of Religious Studies (3) AS REL
Course designed for senior majors and minors in religious studies. Discussion of key figures and methodological advances in the development of the field from the 18th century to the present, with readings in the development of religious studies.

RMI 3011 Principles of Insurance (3) BA FIN
Analysis of insurable risks of both business and individuals. An examination of the characteristics of those areas of risk and uncertainty where the mechanism of insurance is effective alternatives. The concept, contracts, and institutions involved in insurance are examined in relationship to the socio-economic environment.

RMI 4115 Life, Health, And Disability Insurance (3) BA FIN
PR: QMB 3200, RMI 3011. The course will analyze the use of life, health, and disability insurance contracts as a method of dealing with the risks of death, sickness, and disability. It will include an analysis of the cost determination of the various types of coverage.

RMI 4210 Property Insurance (3) BA FIN
PR: RMI 3011. Course dealing with recognition of personal and business property risks, and coverage which may be used in dealing with these risks. considers the underlying legal and social problems associated with these coverages. Topics include commercial and residential fire insurance, inland marine and transportation coverages, and multiperil contracts. Not limited to Finance majors.

RMI 4220 Casualty Insurance (3) BA FIN
PR: RMI 3011. Course dealing with recognition of personal and business casualty risks and coverages which may be used in dealing with these risks. considers the underlying legal and social problems associated with these coverages. Topics include workmen’s compensation, public liability, auto liability, suretyship and crime insurances. Not limited to Finance majors.

RTV 2100 Writing For Radio and TV COM PR: ENC 3310 or CRW 2100 and RTV 3001. The art and practice of script writing for radio and television.

RTV 3301 Introduction to Telecommunications (3) AS COM PR: MMC 3602 and MMC 2100. A survey of the organization, structure, and function of the broadcasting industry.

RTV 3301 Broadcast News (4) AS COM PR: MMC 3602 and MMC 2100. Methods in gathering, writing, and editing newscasts for radio and television.

RTV 3941 Radio Practicum (1) AS COM PR: RTV 3001 and CI. For telecommunications 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.

RTV 4220 TV Production and Direction (3) AS COM PR: RTV 3001 and RTV 3304. A basic course in the techniques of producing and directing TV programs.

RTV 4304 TV News (3) AS COM PR: RTV 3001 and RTV 3304. 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 3304. Advanced producing, scripting, shooting, and editing for ENG video and audio production. Introduction to computer editing and graphics.

RTV 4500 Telecommunications Programming (3) AS COM PR: RTV 3001 and RTV 3304. Programming concepts, resources, costs, selection, and scheduling. Analysis of programming in terms of structures, appeals and strengths.

RTV 4700 Telecommunications Law and Policy (3) AS COM PR: for broadcast news option: RTV 3001, RTV 3304, MMC 4200, POS 2112 or POS 3142; for programming option: RTV 3001, RTV 4500, RTV 2100 or RTV 3304. 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 I (1) AS COM PR: RTV 4220 and CI. For telecommunications 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.

RUS 1120 Beginning Russian I Laboratory (1) AS MLL CR: RUS 1120L. The first course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1121 Beginning Russian II (4) AS MLL PR: RUS 1120 or CI. CR: RUS 1121L. The second course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1121L Beginning Russian II Laboratory (1) AS MLL CR: RUS 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.

RUS 2200 Russian III (4) AS MLL
PR: First year Russian or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2201 Russian IV (4) AS MLL
PR: RUS 2200 or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2270 Overseas Study (1-4) AS MLL
PR: 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 MLL
PR: Second year Russian or equivalent. Development of basic conversational skills.

RUS 3470 Overseas Study (1-6) AS MLL
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 MLL
A survey of the cultural history of Russia.

RUS 4241 Conversation II (4) AS MLL
PR: Previous course in series or equivalent. Development of conversational skills.

RUS 4402 Advanced Russian Conversation & Composition I (4) AS MLL
PR: RUS 4241 or III. Third year Russian.

RUS 4403 Advanced Russian Conversation & Composition II (4) AS MLL
PR: RUS 4241 or III. Third year Russian.

RUS 4471 Advanced Overseas Study (1-6) AS MLL
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 MLL
Study of an author, movement or theme.

RUS 4905 Directed Study (1-3) AS MLL
Departmental approval required.

RUT 3110 Russian Classics in English 6A MW LW (3) AS MLL
Major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.

RUT 3111 Twentieth-Century Russian Literature in English 6A MW LW (3) AS MLL
Major works of 20th century Soviet literature in English. The major works of Bely, Yessenia, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.

SCE 4237 Science, Technology, Society Interaction 6A MW (5) EDEDN
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 (2) EDEDN
Reading and communication skills important in understanding scientific information 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 and materials for teaching science in 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 (3) ED EDE
PR: Completion of 25 hours in approved science areas, EDG 4620 or CR, and CC. Techniques and materials of instruction in secondary school sciences.

SCE 4936 Senior Seminar in Science Education (2) ED EDE
PR: Senior standing in SCE 4940, synthesis of teacher candidate’s courses in complete college program.

SCE 4940 Internship: Science Education (1-12) ED EDE
CR: SCE 4936. One full semester of internship in a public or private school.

SCE 5937 Selected Topics in Science Education (1-4) ED EDE
SCE 5990 Introduction to Student Personnel Work in Higher Education (2) ED EDE
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 structure, organization, funding, etc.

SLS 1101 The University Experience (2) ED EDE
PR: Freshman only. An extended introduction to USF. Topics include purposes of higher education, the university as a community, planning, selecting a major, study skills, managing time, academic advising, computer resources, and decision-making.

SLS 2401 Career Development Process (2) ED EDE
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.

SOP 3742 Psychology of Women SS (3) AS WST
An examination of theories of female personality in historical perspective. Current research on sex differences, socialization, sexuality, psychology of reproduction. Emerging roles of women as related to social change and developmental tasks of the life cycle.

SOP 4004 Social Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better. Survey of methods, empirical findings, and theoretical interpretations in the study of an individual’s behavior as affected by others.

SOP 4714C Environmental Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better. Explores the influences of environment on behavior. Topics considered include community, privacy, territorial behavior, environmental design, and pollution effects. Designed for both psychology majors and non-majors.

SOW 3101 Human Behavior and the Social Environment I (4) AS SOK
PR: All pre-core courses. Restricted to 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.

SOW 3102 Human Behavior And The Social Environment II (4) AS SOK
PR: SOW 3101, SOW 3401, SOW 4341. Restricted to Social Work majors; others by School permission. An integrating course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with families, groups, organizations and communities.

SOW 3203 The American Social Welfare System SS (3) AS SOK
A general education introductory course which provides students with a firm understanding of the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.

SOW 3902 Social Work (3) AS AS
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 3904 Research and Statistics For Social Work (4) AS SOK
PR: All pre-core courses. Restricted to Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with research as it is practiced in the profession of Social Work; and to equip the student with those theoretical understandings necessary to be a critical consumer of social work research.

SOW 4233 Social Welfare: Policy & Program (4) AS SOK
PR: All pre-core courses, SOW 3101, SOW 3401, SOW 4341. Restricted to Social Work majors, others by School permission. An advanced policy course taken an analytical approach to contemporary social welfare policy issues and current social welfare programs.

SOW 4341 Multi-Methods of Social Work Practice I: Micro-System Intervention (5) AS SOK
PR: All pre-core courses, SOW 3101, SOW 3401, SOW 4341. Restricted to Social Work majors, others by School permission. First practice course emphasizing development of skills and interventional methods with individuals, families, and small groups. The course includes both didactic and experiential learning components.

SOW 4343 Multi-Methods of Social Work Practice II: Macro-System Intervention (5) AS SOK
PR: All pre-core courses, SOW 3101, SOW 3401, SOW 4341; must be taken as PR. CR: SOW 4233, and SOW 3102. Restricted to Social Work majors, others by School permission. Second practice course
emphasizing intervention at the community and organizational level. Blends 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 3303, SOW 3301, SOW 3401, SOW 4341, SOW 3102, SOW 3422, SOW 3433, CR: SOW 4223 and SOW 4510L. Restricted to Social Work majors in senior year. Integrates content and theory from core classes with practice experiences students are having in field placement.

SOW 4510L Field Placement (6) AS SOK
PR: SOW 3302, SOW 3303, SOW 3301, SOW 3401, SOW 4341, SOW 3102, SOW 4522, SOW 3433, CR: SOW 4223 and SOW 4510. SU 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 3302, SOW 3303, SOW 3301, 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 4930R 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 development of language learning as a basis for differentiating developmental delays or disorders of language.

SPA 3011 Introduction to Speech Science (3) AS CSD
PR: SPA 3030, SPA 3101 and SPA 3112. Concentrated study of the acoustic, physiological and perceptual aspects of sound as related to normal and pathological speech communication. Introduction to instrumentation and measurement procedures.

SPA 3030 Introduction to Hearing Science (3) AS CSD
PR: Junior standing, SPA 3101, SPA 3112, SPA 3310. Introduction to the field of hearing including: physics of sound, auditory anatomy and physiology, and psychophysics of hearing.

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. Comparisons of normal and pathological organic structures and their functional dynamics.

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 3030 and SPA 3101. The etiology, pathology, and management of disorders of the outer ear, middle ear, inner ear, retrocochlear, and central auditory systems.

SPA 3312C Basic American Sign Language (4) AS CSD
PR: DPR. Introduction to American Sign Language (ASL) as used in the deaf community. General discussion of ASL structure and introduction to various manual communication systems and philosophies. Emphasis on building a basic vocabulary. One hour of laboratory course work is included. Open to all majors.

SPA 3653 Overview of Language Learning in Deaf Children (3) AS CSD
PR: Admission to ISPI Program. CR: SPA 3653L. This course is restricted to majors only. Overview of language development of deaf children from infancy through young adulthood, including various theories of language development in the deaf and communication/language of the deaf assessment techniques, and interpreting skills relating to learning processes.

SPA 3653L Overview of Language Learning in Deaf Children Lab (1) AS CSD
PR: Admission to ISPI Program. CR: SPA 3653. This course is restricted to majors only. An exploration and overview of communication modes and language used in public school settings by deaf children. Includes a study of low systems overlap and a development of flexibility in using different modes and languages, and the implications for interpreters.

SPA 3660 Introduction to Interpreting in Public Schools (3) AS CSD
PR: Admission to ISPI Program. CR: SPA 3660L. This course is designed for ISI majors but may be elected by non-majors. This course introduces the overview of the roles and responsibilities of interpreters for the deaf working in public school classes grades K - 12 and the overview of historical and current public school practices in educational interpreting in the U.S.

SPA 3660L Introduction to Interpreting in Public Schools Lab (1) AS CSD
PR: Admission to ISPI Program. CR: SPA 3660. The lab assists students in assessing and improving their interpreting and translating skills through videotapes of simulated interpreting assignments.

SPA 3673 Introduction to Auditory Functions (3) AS CSD
PR: Admission to ISPI Program. This course is restricted to majors. An overview of hearing science and speech science relating to the educational environment. This course orient the student to the variables extent in oral-aural communication among children who have hearing impairment. It addresses techniques and methods of hearing measurement and amplification of sound as well as the interpreter's role in audiological evaluation and speech language therapy.

SPA 4000 Communication Disorders in the Public Schools (3) AS CSD
PR: DPR. (Non-major course only). An examination of the speech, language and hearing problems affecting school-age children and the classroom teacher's role in the detection, prevention and remediation of communication disorders.

SPA 4050 Introduction to the Clinical Process MW (3) AS CSD
PR: SPA 3004 and SPA 3310. Observation and participation in speech-language pathology and audiology practicum in the University clinical laboratory. Ethical issues, multicultural concerns, and creativity are stressed through clinical and practical projects.

SPA 4201 Phonological Development and Disorders (3) AS CSD
PR: SPA 3004, SPA 3011. An examination of normal and deviant articulatory and phonological acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 4210 Vocal Disorders (3) AS CSD
PR: SPA 3011 and SPA 3310. A comprehensive study of the medical and physical aspects of voice disorders. Differential diagnosis, principles of therapeutic intervention, and procedures for children and adults will be stressed.

SPA 4222 Fluency Disorders (3) AS CSD
PR: SPA 4201. A comprehensive study of fluent speech behavior, differential diagnosis of principles of therapeutic intervention, and procedures for children and adults will be studied. Major theories and models of the development and origin of stuttering are also presented.

SPA 4331 Fundamentals of Fingerspelling (2) AS CSD
PR: DPR. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

SPA 4335 Sign Language Codes (3) AS CSD
PR: DPR. A review of the sign systems (SEE I, SEE II, L.O.V.E., and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

SPA 4555 Counseling of Communicatively Handicapped and Family (3) AS CSD
PR: SPA 3011 and SPA 3310. Discussion of role of counseling in the treatment of communication disorders. Based on exploration of theoretical constructs, this course demonstrates application of therapeutic methodologies to reduction of communication handicaps.
SPA 4613C Intermediate American Sign Language (4) AS CSD
PR: SPA 3612D. DPR. A continuation of the basic course which expands the student’s signing skills and introduces American Sign Language (ASL) idioms. Provides a greater opportunity for skill development, structure and idiomatic usage. One hour of laboratory course work is included.

SPA 4614C Advanced American Sign Language (4) AS CSD
PR: SPA 4613C. DPR. A continuation of the study of American Sign Language (ASL), at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. An hour of laboratory course work is included.

SPA 4615L American Sign Language Laboratory (1) AS CSD
A laboratory course designed to offer students added practice with the material presented in the ASL course work through video and audio tapes.

SPA 4617 Structure of Sign Language (3) AS CSD
PR: SPA 4383 and SPA 4615L. A comprehensive introduction to the linguistic structure of American Sign Language (ASL). Topics include phonetics and phonemes; phonological processes; the identification, structure and distribution of morphemes; principles of syntactic analysis; detailed examination of the major syntactic structures of ASL; and the place of phonology, morphology, and syntax in terms of the larger context of grammar.

SPA 4662 Interpreting in Public Schools I (3) AS CSD
PR: Admissions to SI Program. CR: SPA 4386. This course is restricted to majors only. This course provides practical application of interpreting the subjects taught in the public school classes. Discussion includes class goals, instructional style, interpreter roles and ethics, language or modality choice, and analysis of the preroom for the appropriateness for interpreting.

SPA 4663 Interpreting in Public Schools II (3) AS CSD
PR: SPA 4386, SPA 4386L. CR: SPA 4662L. This course is restricted to majors only. This course provides advanced techniques for interpreting instructional/instructional and activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods.

SPA 4663L Interpreting in Public Schools II Lab (1) AS CSD
CR: SPA 4662. This course is restricted to majors only. This course provides advanced assessment of interpreting skills and interpreting integration of targeted school classes and activities. Selection criteria for using a particular sign system in language will be assessed and discussed in individualized meetings.

SPA 4685 Practicum: Interpreting in Schools (1-8) AS CSD
This course is restricted to majors only. A course is restricted to major and service sessions in school settings under supervision of an experienced interpreter and course instructor. Each preceptor student will shadow an interpreter, and participate in discussion about the overall performance.

SPA 4930 Selected Topics (1-6) AS CSD
PR: DPR. Intensive study of topics in Speech-Language Pathology, Audiology, and/or Aural Rehabilitation conducted under the supervision of a faculty member.

SPA 5132 Audiology Instrumentation (2) AS CSD
PR: DPR. Calibration, usage, and specific applications of specialized instruments available for dealing with the identification and measurement of hearing disorders.

SPA 5150 Advanced Speech Science (3) AS CSD
PR: SPA 3011 or equiv., SPA 5150L, and DPR. Advanced study of the acoustics, production, and perception of normal and disordered speech.

SPA 5150L Speech Science Instrumentation (2) AS CSD
PR: DPR or SPA 3011 or equivalent. This course offers experience in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.

SPA 5303 Advanced Hearing Science (3) AS CSD
PR: DPR. The study of the physiological acoustics of the auditory periphery; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD
PR: DPR. The study of behavioral and electrophysiological clinical tests designed to assess the functions of the peripheral and the central auditory system. Tests that incorporate non-speech stimuli and those that utilize speech stimuli will be included.

SPA 5328 Aural Rehabilitation: Adults (3) AS CSD
PR: DPR. This course is designed to provide information about and strategies for aural rehabilitation intervention with hearing-impaired adults. Topics covered include: speech reading, auditory training, hearing and assistive listening devices.

SPA 5403 Communication Disorders: Language (3) AS CSD
PR: DPR. Examination of research and clinical literature presenting major theoretical orientations pertaining to the etiology, evaluations, and treatment of those factors that hinder or interrupt normal language acquisition or function.

SPA 5608 Language-Learning in the School-Age Years (3) AS CSD
PR: SPA 4201 and DPR. Metalinguistic and metacognitive development are linked to the instructional demands of classroom and clinical discourse; observational tools are applied to evaluation and intervention planning.

SPA 5506 Speech-Language Pathology and Audiology Practicum (1-8) AS CSD
PR: DPR. Participation in speech-language pathology and audiology practicum in the University Communication Disorders Center and selected field settings.

SPA 5552 Diagnostic Principles and Practices (2) AS CSD
PR: Admission to the graduate program or DPR. The administration, evaluation, and reporting of diagnostic tests and procedures used in assessment of speech and language disorders.

SPC 2541 Persuasion SS (3) AS SPE
Examines the role of persuasion in public and social life. Students will be introduced to key concepts and theories of persuasion from a variety of historical and contemporary perspectives. Students will use these concepts to create, analyze, and respond to persuasive messages.

SPC 2600 Public Speaking SS (3) AS SPE
The nature and basic principles of human communication; emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experiences in public discourse.

SPC 3212 Communication Theory (3) AS SPE
PR: Junior standing or CI. The study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.

SPC 3230 Rhetorical Theory HP (3) AS SPE
This course surveys the foundations and historical evolution of major concepts, issues, theorists, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

SPC 3301 Interpersonal Communication SS (3) AS SPE
A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication and language will be assessed and discussed in individualized meetings.

SPC 3425 Group Communication (3) AS SPE
PR: Junior standing or CI. A study of theory and research in group communication. Group discussions and communication exercises to increase awareness of the dynamics of human communication in small group settings.

SPC 3513 Argumentation and Debate (3) AS SPE
PR: Junior standing or CI. Study of principles of argumentation as applied in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

SPC 3602 Advanced Public Speaking (3) AS SPE
PR: SPC 2600 or CI. Study and application of communication strategies in speaking extemporaneously and from manuscript. The course includes study of selected public addresses as aids to increased understanding of speaking skills.

SPC 3651 Rhetoric of the Sixties HP (3) AS SPE
Survey of the rhetoric associated with the civil rights movement, the Great Society, the anti-Vietnam War movement, the counterculture, the black power movement, and the women’s movement.

SPC 3663 Popular Forms of Public Communication (3) AS SPE
PR: Junior standing or CI. Analysis of public communication with emphasis on various presentational forms.

SPC 3730 Rhetorical Analysis (3) AS SPE
This course introduces students to fundamentals of message analysis. Student examines persuasive strategies and language in oral and written discourse.

SPC 3740 Communication and Cultural Diversity SS (3) AS SPE
Examination of communication and cultural diversity within the United States. Cultural groups include racial and ethnic (e.g., African American, Latin American, Asian American), social class, age and generation, religious (e.g., Jewish) and gender.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 5567</td>
<td>Modern Spanish Civilization (3) AS MLL</td>
<td>Trends, Text and discussion in Spanish.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPN 3500 or equivalent or graduate standing. Four</td>
<td>readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and</td>
</tr>
<tr>
<td></td>
<td>readings and discussions in Spanish.</td>
<td>political trends and issues in Spain and Latin America. Topics related to race and ethnicity, values and ethics, social, economic, and</td>
</tr>
<tr>
<td>SPT 2524</td>
<td>Women Writers of Latin America AF (3) AS MLL</td>
<td>psychological issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPN 2210 or equivalent. Prose fiction, drama, poetry,</td>
<td>essay; literary criticism. Study of the origins through the 18th century.</td>
</tr>
<tr>
<td>SPW 3030</td>
<td>Introduction to Hispanic Literature (3) AS MLL</td>
<td>Emphasis on modern writers since Dario.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 2210 or equivalent. Prose fiction, drama, poetry,</td>
<td>essay; literary criticism. Study of the origins through the 18th century.</td>
</tr>
<tr>
<td></td>
<td>and essay; literary criticism. Study of the origins</td>
<td></td>
</tr>
<tr>
<td></td>
<td>through the 18th century.</td>
<td></td>
</tr>
<tr>
<td>SPW 4100</td>
<td>Survey of Spanish Literature I (3) AS MLL</td>
<td>The teaching profession, school settings, legal, and classroom management issues are also studied. Fieldwork in a high school is required.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 3030 or equivalent. A study of Spanish literature</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from its origins through the 18th century.</td>
<td></td>
</tr>
<tr>
<td>SPW 4131</td>
<td>Survey of Spanish-American Literature II (3) AS MLL</td>
<td>Study of an author, movement or theme.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 4131 Major writers of all genres. Emphasis on</td>
<td></td>
</tr>
<tr>
<td></td>
<td>modern writers.</td>
<td></td>
</tr>
<tr>
<td>SPW 5387</td>
<td>Spanish American Prose (3) AS MLL</td>
<td>The perspectives of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 4131 Emphasis on the gaucha theme and contemporary</td>
<td>to content to K-12 instructional programs.</td>
</tr>
<tr>
<td></td>
<td>prose fiction.</td>
<td></td>
</tr>
<tr>
<td>SPW 5388</td>
<td>Golden Age Poetry and Drama (3) AS MLL</td>
<td>STA 2022 Basic Statistics 6A QM (3) AS MTH</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 4110 Lope de Vega, Alarcon, Tirso, Calderon, and</td>
<td>No credit for Mathematics majors. Basic philosophy of statistical thinking. Acquisition of data. Techniques for organizing and</td>
</tr>
<tr>
<td></td>
<td>others.</td>
<td>presenting statistical data. Sample mean, variance and standard deviation. Statistical decisions—estimation and hypothesis testing.</td>
</tr>
<tr>
<td>SPW 5465</td>
<td>19th Century Literature (3) AS MLL</td>
<td>Design of experiments, linear association and prediction. Statistical software: MINITAB.</td>
</tr>
<tr>
<td>PR:</td>
<td>SPW 4101. An appreciation of the romantic and realist</td>
<td></td>
</tr>
<tr>
<td></td>
<td>periods in Spanish literature.</td>
<td></td>
</tr>
<tr>
<td>SPW 5605</td>
<td>Cervantes (3) AS MLL</td>
<td>STA 2023 Introductory Statistics I 6A QM (4) AS MTH</td>
</tr>
<tr>
<td>PR:</td>
<td>Cervantes' masterpiece Don Quijote de la Mancha.</td>
<td>No credit for Mathematics majors. Basic philosophy of statistical thinking. Acquisition of data. Techniques for organizing and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>presenting statistical data. Sample mean, variance and standard deviation. Statistical decisions—estimation and hypothesis testing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Design of experiments, linear association and prediction. Statistical software: MINITAB.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STA 2034 Introductory Statistics II 6A (3) AS MTH</td>
</tr>
<tr>
<td>PR:</td>
<td>STA 2023 or CC. Factorials, ANCOV, multiple</td>
<td>Basic ideas of probability and random variables, discrete probability functions, continuous probability densities, joint distributions,</td>
</tr>
<tr>
<td></td>
<td>curvilinear regression; response surfaces; Latin</td>
<td>transformatiions of random variables, moments and generating functions</td>
</tr>
<tr>
<td></td>
<td>squares, Split Plots, incomplete designs; distribution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>free methods.</td>
<td></td>
</tr>
<tr>
<td>PR:</td>
<td>STA 4421 Introduction to Statistics 6A (3) AS MTH</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>STA 4442. Basic statistical methods. Estimation,</td>
<td>Basic statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and</td>
</tr>
<tr>
<td></td>
<td>hypothesis testing, regression, ANOVA, and nonparametric</td>
<td>hypothesis from a wide range of disciplines.</td>
</tr>
<tr>
<td></td>
<td>methods.</td>
<td>STA 4442 Introduction to Probability 6A (3) AS MTH</td>
</tr>
<tr>
<td>PR:</td>
<td>MAC 2313 Introduction to probability theory using</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>calcul. Basic ideas of probability and random</td>
<td>STA 3212 Social Science Statistics 6A QM (3) AS ISS</td>
</tr>
<tr>
<td></td>
<td>variables, discrete probability functions, continuous</td>
<td>Descriptive and inferential statistics - through ANOVA, correlation-regression, chi-square and non-parametrics. The course presents</td>
</tr>
<tr>
<td></td>
<td>probability densities, joint distributions,</td>
<td>statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and</td>
</tr>
<tr>
<td></td>
<td>transformations of random variables, moments and</td>
<td>hypothesis from a wide range of disciplines.</td>
</tr>
<tr>
<td></td>
<td>generating functions.</td>
<td></td>
</tr>
<tr>
<td>PR:</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
<td>STA 4442 Introduction to Probability 6A (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>STA 4321 and CGS 3422. or CI Statistical analysis of</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>data by means of statistics package programs.</td>
<td>STA 3212 Social Science Statistics 6A QM (3) AS ISS</td>
</tr>
<tr>
<td></td>
<td>Regression, ANOVA, discrete analysis of categorical</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>data.</td>
<td>STA 3212 Social Science Statistics 6A QM (3) AS ISS</td>
</tr>
<tr>
<td>PR:</td>
<td>STA 4321 or CI. Sampling versus total enumeration.</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>Planning of a survey. Statistical sampling methods</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
<tr>
<td></td>
<td>and their analysis; simple,</td>
<td>STA 5165 Computational Statistics I (3) AS MTH</td>
</tr>
</tbody>
</table>

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG
stratified, systematic cluster, and double and multistage sampling. Use of audit information in sampling. Ratio and regression estimates. Case study.

STA 5326 Mathematical Statistics (3) AS MTH
PR: STA 5446 Sample distribution theory, point & interval estimation, hypothesis testing, decision theory, and statistical decision criteria. 2000 and hypothesis testing.

STA 5446 Probability Theory I (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 5526 Non-Parametric Statistics (3) AS MTH
PR: STA 5326 or CC. Theory and methods of non-parametric statistics, order statistics, tolerance limits, and their applications.

SUR 2101C Engineering Land Surveying (3) EN EGX
Principles of land surveying for engineering practice. Traverses, levels, boundary surveys, route surveys, coordinate geometry, and mapping.

SYA 3010 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 3015 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 3300 Research Methods (3) AS SOC
PR: SYG 2000 and STA 2122 or equivalent, or CI. 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 8A LW (3) AS SOC
PR: SYG 2000 or CI. Non-empirical, Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives.

SYA 3700 Sociology of Sexualities (3) AS SOC
This course explores how sexualities are socially constructed. How do we give meanings to sexualities? Who is involved in this process, and how? What institutions participate, and how? Finally, what role do we play, as individuals?

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. 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
PR: SYG 2000 or CI. Selected specialized topics in Sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, family violence, sexualities, sociology of content will vary by semester and by section. See class schedule for specific contents each semester.

SYA 4935 Senior Seminar MW (3) AS SOC
PR: Senior or graduate standing in Sociology plus CI. S/U only. Supervised placement in community organization or agency for a minimum of 10 hours of volunteer work per week, and a weekly seminar on applying sociological skills and methods in the placement setting.

SYA 4949 Sociological Internship (1-8) AS SOC
PR: Senior or graduate standing in Sociology plus CI. S/U only. Supervised placement in community organization or agency for a minimum of 10 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 other Social Sciences Gen. Ed. coursework or CI. Examines the applicability of sociological concept 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
PR: SYG 2000 or CI. Comparative analysis of social relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4020 Global Population (3) AS SOC
PR: SYG 2000 or CI. Upper level standing. Sociological determinants of fertility, mortality and migration; theories of population change.

SYD 4410 Urban Sociology (3) AS SOC
PR: SYG 2000 or CI. Upper-level standing. 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 surrounding gender in America. Emphasis on exploring the causes, meaning, and consequences of gender differences, interpersonal relationships, and institutional participation.

SYG 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.

SYG 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, displacement, and substance abuse.

SYG 2412 Marriage (3) AS SOC
Does not count for Sociology major credit. Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count for sociology major credit.

SYG 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.

SYO 3120 Sociology of Families (3) AS SOC
With a goal to understand American families in the present, this course will examine variations in family types by social class, race, ethnicity, and historical era. Exploration of current controversies about how families should be organized and about what they should do. How does family life change as people face social problems related to families.

SYO 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, use and impact of religious discourse in daily lives, social movements motivated by religious beliefs.

SYO 3500 Social Organization (3) 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.

SYO 3530 Social 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 fire/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 of disability as a means to a better understanding of the nature of social experience.

SYP 3000 Social Psychology SS (3) AS SOC
PR: PSY 2012 or SYG 2000 or CI. 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 3562 Family Violence (3) AS SOC
Focus on male norms, An exploration of the complexity of the causes and consequences of physical and emotional violence among family members. Topics include the meanings and behaviors of violence, the process of help-seeking, and social interventions for offenders and victims.

SYP 4420 Consumer Culture MW LW (3) AS SOC
PR: SYG 2000 or CI. The exploration of how Americans’ 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 deviancy is defined, the implications of deviance designations. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.
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: Jr. or Senior standing or THE 3110, 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 4442 The Comedy Of The Classic And Neo-Classical Styles 6A MW LW (3) FA TAR**
PR: THE 3110. Open to upper level non-majors with CI. A study of comedic function in scripts from Greek and Roman, Restoration and French Neoclassical of the late 17th century and other plays from the late 18th and early 19th centuries which reflect similar characteristics.

**THE 4480 Drama-Special Topics (3) FA TAR**
PR: THE 3110. Open to upper level non-majors with CI. A study of a significant playwright or group of playwrights, e.g. Molier, Brecht, recent American dramatists.

**THE 4552 Contemporary Performance Theory 6A MW LW (3) FA TAR**

**THE 4593 Honors Seminar (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 for Non-theatrical. Past topics have included New German Theatre, Popular Theatre, New American Theatre, Jacoben Theatre.

**THE 4594 Honors Practicum (3) FA TAR**
PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or productions 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 (1-3) FA TAR**
PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee.

**THE 4722 Theatre for Pre-Secondary Schools: The Production Process (3) FA EDD**
The play production process as it applies to theatre artist-in-schools programs, including development of related classroom workshops and preparation of study guides, and educational program materials as well as design, direction and rehearsal of play and touring methods.

**THE 4733 Theatre For Pre-Secondary Schools: The Performance Process (3) FA EDD**
The artistic process of performing for various school audiences and practice conducting classroom workshops following each performance.

**THE 4761 Methods of Teaching Theatre for Adolescents (3) FAEDD**
Methods of effective drama and theatre instruction in middle school, junior and senior high schools, recreation centers, community and professional theatres.

**THE 4905 Directed Studies (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 (1-8) FA TAR**
PR: CI. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion, studio format.

**THE 5909 Directed Studies (1-6) 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 6391 Selected Topics In Theatre (1-8) FA TAR**
PR: CI. The content of the course will be governed by the student demand and instructor interest. May be lecture or class discussion or studio format.

**TPA 2210 Introduction to Technical Theatre I (3) FA TAR**
CR: 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. Required for Theatre Technology majors.

**TPA 2211 Introduction to Technical Theatre II (3) FA TAR**
CR: 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.
TPA 2248 Workshop In Stage Makeup (1) FA TAR
Beginning theory and practice in make-up for the stage. Open to non-
majors. Theatre majors given preference. A studio course.

TPA 2290L Technical Theatre I (1) FA TAR
CR: TPA 2290 or CI. A practical laboratory involving the pre-
performance preparation of all technical aspects of a major produc-
tion such as: painting, sewing, lighting, and sound. Students are
assigned to two areas of study per semester. Required of all Theatre
majors. Open to non-majors.

TPA 2291L Technical Theatre Lab II (1) FA TAR
CR: TPA 2290 or CI. A practical laboratory involving the pre-
performance preparation of all technical aspects of a major produc-
tion such as: painting, sewing, lighting, and sound. Students are
assigned to two areas of study per semester. Required of all Theatre
majors. Open to non-majors.

TPA 2292 Theatre Production and Administration (1) FA TAR
PR: TPA 2290L and 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.

TPA 3007 Introduction to Design I (3) FA TAR
PR: TPA 2290, TPA 2210, TPA 2290L, and TPA 2291L. Open to non-
majors. 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 presen-
tation and communication skills, research, and project analysis/or-
ganization.

TPA 3008 Introduction to Design II (3) FA TAR
PR: TPA 2210. This course will include lectures, demonstrations,
field trip(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 presenta-
tion and visual communication skills, research, and project analysis/or-
ganization. Open to non-majors.

TPA 3208 Drafting and CAD I (3) FA TAR
PR: TPA 2200, TPA 2210, TPA 2290L and TPA 2291L. The course will
include lectures, demonstrations, field trip(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 drafts. Required of all
Design Track Theatre majors. Open to non-majors.

TPA 3221 Lighting: Theory And Practice (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 to complete lighting.

TPA 3231 Costume Construction (3) FA TAR
PR: TPA 3208 or CI. A practical course in the drafting of patterns for
creating garments. Materials, skills and techniques for creation of
costumes and costume accessories will be treated. Included are
topics such as millinery, footwear, jewelry, masks, armor, courtesy;
both period and modern.

TPA 3251 Drafting and CAD II (3) FA TAR
PR: TPA 3208. Continuation of TPA 3208. The course will include
lectures, demonstrations, field trip(s), individual student presenta-
tions, 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 drafts. Open to non-
majors.

TPA 3265 Sound For The Stage (3) FA TAR
PR: TPA 2223. 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 3290 Design Practicum (2) FA TAR
PR: TPA 3018. This is a studio/laboratory course in the practical
aspects of production. The course is intended to provide realized
production experience to the advanced theatre design student in
such areas as costume, lighting, and scenic design: stage proper-
ties design, technical direction; and theatrical production craft/skill
areas. The student will be individually mentored by a faculty member
through the process of developing and realizing a production
design/craft/skill.

TPA 3601 Stage Management (2) FA TAR
PR: TPA 2200, TPA 2223, or TPA 2232. Open to non-majors with CI.
A practical course in the working organizational function of the stage
manager in theatre, dance, opera, and other live performance
situations.

TPA 3840 Puppetry Performance And Production (4) FA TAR
PR: TPA 3810. Open to upper level non-majors with CI. The creative,
rehearsal, and performance of plays for puppet theatre.

TPA 4011 Design Studio I (3) FA TAR
PR: TPA 3208 plus two of TPA 3321, TPA 3322, TPA 3351, TPA 4024
will grade student 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 with the develop-
ment of a design from the first meeting to the final paper/model
design. Evaluation of the project will emphasize the process followed in
the development of the design including thumbnail/idea sketching, re-
search, and production concept. The course will include seminar
(production) discussions, lectures, demonstrations, individual and
group work, and individual student presentations.

TPA 4013 Design Studio III (3) FA TAR
PR: TPA 4012. This course will include studio design project
activities in an individual’s selected primary and secondary areas of
costume, lighting, and/or scenic design. The course work will stress
the nature of collaborative work and the various stages and processes
involved with the development of a design from the first meeting to
the final paper/model design.

TPA 4077 Scene Painting (2) FA TAR
PR: TPA 3004. 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 I (2) FA TAR
PR: TPA 3004. Open to upper level non-majors with CI. Demonstra-
tion 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 a PI request form,
available 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 realized
production experience to the advanced theatre design student in
such areas as costume, lighting, and scenic design: stage proper-
ties design; technical direction; and theatrical production craft/skill
areas. The student will be individually mentored by a faculty member
through the process of developing and realizing a production
design/craft/skill.

TPP 2110 Voice-Body-Improvisation (3) FA TAR
Experiential acting skills course, a passion course. Required of all theatre
majors. Open to non-majors.

TPP 2190 Studio Theatre Performance I (1) FA TAR
PR: TPP 2110, THE 2020. 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 crews. 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 motive powers, with focus on their
application in performance.

TPP 3121 Improvisation I (3) FA TAR
PR: TPP 2110. An intensive study in improvisation as an enhance-
ment of the actor’s skill. Exercises and theatre games as flexible form
which accommodates improvisation and physical invention are
examined and used to develop group creativity.

TPP 3155 Scene Study I (3) FA TAR
PR: Audition and all core 2000 level courses. Identify and investigate
specific 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 muscles used on the formation of speech sounds.

TPP 3920 Acting Studio I (8) FA TAR
PR: TPP 1045 and upper core level theatre courses and junior standing. An intensive and comprehensive ensemble workshop that explores the basic principles of acting and the skills necessary for play, scene and character analysis. An emphasis is placed on the integration of body, voice, mind and emotions. This course will be team taught by the Performance faculty.

TPP 3921 Acting Studio II (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 team taught by the Performance faculty.

TPP 4140 Styles Of Acting (3) FA TAR
PR: TPP 3150 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: Audition and TPP 3150 or TPP 3921. 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 crews. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors w/ CI.

TPP 4220 Audition Workshop for Actors (2) FA TAR
PR: TPP 3150 or TPP 3921. Preparation for professional audition; discussion of professional objectives.

TPP 4390 Advanced Design Practicum (3) FA TAR
PR: TPP 4230. A workshop in advanced design techniques.

TPP 4310 Directing I (3) FA TAR
PR: TPP 3155 or TPP 4230. 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 scenes and work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4311 Directing II (3) FA TAR
PR: TPP 3155 or TPP 4230. 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 scenes and work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4600 Writing For The Theatre (3) FA TAR
PR: TPP 2110 and THE 2305. 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. Normally the aim would be to complete several performance-worthy self-contained scenes.

TPP 4920 Senior Workshop For Actors (3) FA TAR
PR: TPP 2500, TPP 2700, and TPP 3150 or TPP 3921. A workshop in advanced vocal and movement techniques.

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 MLL
PR: Upper-level standing. Designed to introduce and prepare the enrollee 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 practical encounter with materials and techniques as well as study of student learning at the designated campus.

TSL 5321 ESOL Strategies for Content Area Teachers (3) AS MLL
Course designed for public school teachers working with limited English Proficiency (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 MLL
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5372 ESOL Curriculum and Instruction (3) AS MLL
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5471 Language Testing (3) AS MLL
PR: TSL 5371 Lecture course on testing English as a second/foreign language.

TSL 5525 Cross-Cultural Issues in ESL (3) AS MLL
PR: LIN 5700 Lecture course on cultural issues in Teaching English as a Second/Foreign language.

TTE 4008 Transportation and Measuring I (3) EN EGX
PR: EGN 3321. 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 4009 Transportation Engineering II (3) EN EGX
PR: TTE 4008. Introduction to surface transportation design laboratory experience involving function design, traffic and facility design, complete alignments, site surveying & layout plan and quantity preparation with computerized design applications.

TTE 5205 Traffic Systems Engineering (3) EN EGX
Traffic models, intersection analysis, capacity analysis, data sets, 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 of 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 and Regional Planning (4) AS GPY
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.

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 pictures, video tape, and graphics.

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 academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

WSL 3010 Introduction to Women's Studies SS AF (3) AS WST
Survey of major issues relevant to the female experience, the women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3011 Issues in Feminism SS (3) AS WST
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3210 Women in Western Civilization I 6A HP (3) AS WST
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages, Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender.

WST 3210 Women in Western Civilization II SS AF (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.

WST 3371 Women, Environment and Gender MW (3) AS WST
Course designed to: provide students with a basic understanding of relationships between women's physical, health and occupa-
national 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 3440 Women and Social Action SS (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 6A MW (3)
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 6A LW (3)
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 4263 Third World Women Writers 6A LW (3) AS WST
Will not be counted toward the English major. Introduces the
literature of women from various anglophone countries in Africa, the
Caribbean, and South Asia. Some U.S. writers will be included to
represent a third world diasporic consciousness.

WST 4310 Feminism in America 6A MW (3) AS WST
A study of feminist critiques of American women’s experiences and
status and the implications for women’s lives, by 19th- and 20th-
century theorists, and how adequately these various critiques
address the intersections of gender, class, ethnicity, 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 role
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
responses of feminist film theorists and filmmakers working in
documentary, experimental and narrative modes.

WST 4342 Classics in Feminist Theory MW (3) AS WST
A study of classic contributions to the elaboration of feminist thought
from the 18th century to the present in an attempt to discover the
roots of the contemporary feminist movement.

WST 4350 Women and Science MW (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.

WST 4900 Directed Readings (1-3) AS WST
PR: Registration requires instructor’s written consent and signed
contracts from instructor of choice. To provide advanced students
with interdisciplinary research experience in areas of specific interest.

WST 4910 Directed Research (1-3) AS WST
PR: Registration requires written contract signed by student and
instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest.

WST 4930 Selected Topics (1-4) AS WST
Study in special areas such as Women and Work, Reproductive Law, Women and Health.

WST 4935 Seminar in Women’s Studies (3) AS WST
PR: Women’s Studies Major and 24 credit hours in Women’s Studies.
Recognizing the interplay between personal connections and
intellectual experience, this capstone course is designed to focus
on topical areas related to women’s studies and facilitate linking
student learning experience to future plans.

WST 5308 Feminist Spirituality (3) AS WST
Open to non-majors. Focuses on the many voices of contemporary
feminist spirituality, emerging from women’s experiences in diverse
religious, ethnic and cultural traditions, and representing a range of
theoretical perspectives from biblical feminism to goddess worship
and wicca.

WST 5934 Selected Topics (1-4) AS WST
PR: DPR Study of current research methods and scholarship on
women from a multidisciplinary perspective.

YOR 1120 Yoruba (4) AS MLL
This course is designed to familiarize students with modern ortho-
graphy and to develop skills in reading, writing, speaking, and
understanding spoken Yoruba. Pronunciation in Yoruba and achiev-
ing basic communicative competence in the language are among the
skills to be attained in the course.

ZOO 2303 Vertebrate Zoology (3) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. The origin,
diversity, and adaptations of vertebrates. Phylogenetic systematics
(cladistics) will be used as the basis for determining evolutionary
relationships of organisms.

ZOO 3205C Advanced Invertebrate Zoology (4) AS BIO
to the major invertebrate groups, with emphasis on local forms. Field
work will be required. Lec.-Lab.

ZOO 3323C Anatomy of Chordates (4) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. Anatomy of
selected vertebrate types emphasizing evolutionary trends. Lec.-
Lab.

ZOO 3713C Comparative Vertebrate Anatomy (4) AS BIO
PR: BSC 2010, BSC 2011. Anatomy of selected vertebrate types
emphasizing evolutionary trends. Lec.-Lab.

ZOO 4512 Sociobiology MW (3) AS BIO
This course is restricted to seniors. An analysis of Animal and
human behavior such as sex, territoriality, and aggression in the
course of evolution.

ZOO 4513C Animal Behavior (3) AS BIO
PR: PCB 3043 or PCB 3063. An introduction to comparative animal
behavior (Ethology), with emphasis on communication, social use
of space, and behavioral evolution.

ZOO 4603 Animal Embryology (4) AS BIO
PR: PCB 3023. Structural and functional events involved in differ-
entiation and morphogenesis. Lec.-lab.

ZOO 4753C Histology (4) AS BIO
PR: PCB 3023 and PCB 3063. Comparative approach to the study of
tissues and the relation of their structure and function. Lec.-lab.

ZOO 5235 Parasitology (3) AS BIO
PR: PCB 3023, PCB 3043, PCB 3063 Fundamentals of animal
parasitology and parasitism; the biology of selected animal para-
sites, including those of major importance to man.

ZOO 5425C Herpetology (4) AS BIO
PR: CI. Major aspects of amphibian and reptilian biology emphasizing
fossil history, evolutionary morphology, sensory physiology, life
history and reproductive behavior. Lec.-lab. Field trip.

ZOO 5456C Ichthyology (4) AS BIO
PR: Senior or GS in Biology. ZOO 3323C. PCB 4674 is suggested.
Evolution, systematics, structure, behavior, physiology, and ecol-
yogy of fishes.

ZOO 5555C Marine Animal Ecology (4) AS BIO
PR: PCB 3043 and senior standing. Investigation of energy flow,
biogeochemical cycles, and community structure in marine environ-
ments. Lec.-lab.
Administration of State Universities

State Board of Education

JEB BUSH
Governor

BOB CRAWFORD
Commissioner of Agriculture

BILL NELSON
State Treasurer

KATHERINE HARRIS
Secretary of State

BOB MILLIGAN
Comptroller

BOB BUTTERWORTH
Attorney General

TOM GALLAGHER
Commissioner of Education

State Board of Regent

THOMAS F. PETWAY, III, Chairman
Jacksonville

JAMES D. CORBIN
Chattahoochee

ELIZABETH G. LINDSAY
Sarasota

CHARLTON B. DANIEL, JR.
Gainesville

GWENDOLYN F. McLIN
Okahumpka

TOM GALLAGHER
Commissioner of Education

J. COLLIER MERRILL
Pensacola

JAMES F. HEEKIN, JR. (1997)*
Orlando

JON C. MOYLE
West Palm Beach

ADOLFO HENRIQUES
Miami

ASHLEY B. MOODY
Student Regent

ADAM HERBERT
Chancellor

STEVEN J. UHLFELDER
Tallahassee

PHILIP D. LEWIS
Riviera Beach

WELCOM H. WATSON
Fort Lauderdale
OFFICE OF THE PRESIDENT

President JUDY L. GENSHAFT
Assistant to the President (Faculty) TBA
Special Assistant to the President PATRICK RIORDAN
Assistant to the President LORI RUSE
Director, Athletics PAUL GRIFFIN
Associate Vice President, Government Relations KATHLEEN A. BETANCOURT
General Counsel NOREEN SEGREST
Inspector General DONALD HOLDEGRAVER

ACADEMIC AFFAIRS

Provost and Executive Vice President THOMAS J. TIGHE
Vice Provost CATHERINE J. BATSCH
Vice Provost TENNYSON J. WRIGHT
Vice President for Research GEORGE R. NEWKOME
Associate Vice President BERNARD A. MACKLEY
Associate Vice President DENYS BLELL
Assistant Provost PHILIP L. SMITH
Assistant Vice President CAROL ROLF
Assistant Vice President KATHLEEN M. MOORE

Directors:

Academic Computing J. ANTHONY LLEWELLYN
Center for Teaching Enhancement JAMES A. EISON
Coalition for Science Literacy GERRY MEIGELS
Economic Development RICHARD STREETER
Florida Institute of Oceanography JOHN C. OGDEN
Florida Policy Exchange LARRY POLIVKA
Center on Aging JUEL H. SMITH
Institute on Black Life JAMES A. MORTIMER
Institute on Aging DERRIE PEREZ

HEALTH SCIENCES CENTER

Vice President for Health Sciences MARTIN L. SILBIGER
Executive Associate Vice President GREGORY R. NICOLOSI
Assistant Vice President, Faculty Affairs PAULA N. KNAUS
Assistant Vice President, Health Affairs JOHN P. LISTON
Assistant Vice President, Medical Affairs JOAN M. STROBBE

Directors:

Ambulatory Operations BARBARA C. CORDELL
Central Services WAYNE A. SPANTON
Comparative Biomedicine (Lab Animal Medicine) ROBERT W. ENGELMAN
Development RANKIN P. HARRIS
Human Resources KARLA CHARRON
Information Services WAYNE I. THOMPSON
Library/Medical Center BEVERLY A. SHATTUCK
Medical Health Administration DOLORES O. CRAIG
Public Affairs MICHAEL HOAD

College of Nursing

Dean PATRICIA A. BURNS
Associate Dean, Academic Affairs (Interim) MARY TITTLE
Assistant to the Dean ANNE PHILLIPS

Directors:

Admissions JACQUELINE NELSON
Development DAVID JOHNSON
Doctoral Studies MARY WALKER
Informatics KATHY MILHOLLAND
Nursing Learning Resource Center DEBRA DANFORTH
Research MARY EVANS

College of Public Health

Dean CHARLES S. MAHAN
Associate Dean PHILLIP J. MARTY
Assistant Dean ELIZABETH GULITZ
Assistant to the Dean SUSAN WEBB

Chairpersons:

Community and Family Health ROBERT J. McDERMOTT
Environmental and Occupational Health ANN DeBALDO
Epidemiology and Biostatistics (Interim) PHILLIP J. MARTY
Health Policy and Management (Interim) BARBARA ORBAN

College of Medicine

Dean MARTIN L. SILBIGER
Executive Associate Dean and Associate Dean for Academic Affairs JOHN S. CURRAN
Associate Dean for Administration JOAN M. STROBBE
Associate Dean for Clinical Education PAUL M. WALLACH
Associate Dean for Diversity Issues MARVIN T. WILLIAMS
Associate Dean for Faculty Affairs PAULA N. KNAUS
Associate Dean for Graduate Medical Education PETER J. FABRI
Associate Dean for Pre Clinical Education STEVEN C. SPECTOR
Associate Dean for Research and Graduate Affairs JOSEPH J. KRZANOWSKI
Associate Dean for Student Affairs RANDOLPH MANNING

Chairpersons:

Anatomy (Interim) CHRISTOPHER P. PHELPS
Anesthesiology JOHN B. DOWNS
Biochemistry LARRY P. SOLOMONSON
Family Medicine H. JAMES BROWNLEE
Internal Medicine ALLAN L. GOLDMAN
Medical Microbiology and Immunology HERMANN FRIEDMAN
Neurology (Interim) PETER B. DUNNE
Obstetrics and Gynecology WILLIAM N. SPELLACY
Ophthalmology TBA
Otolaryngology THOMAS V. MCCAFFREY
Pathology SANTO V. NICOSIA
Pediatrics JAIME L. FRIAS
Pharmacology and Therapeutics LYNN WECNER
Physiology BRUCE G. LINDSEY
Psychiatry and Behavioral Medicine ANTHONY J. READING
Radiology ROBERT A. CLARK
Surgery LARRY C. CAREY

Directors:

Compliance Services PATRICIA J. BICKEL
Continuing Professional Education DEBORAH SUTHERLAND
Diabetes Center JOHN I. MALONE
Student Admissions JAY S. LAYMAN
Student Affairs CAROLYN W. NICOLOSI
Suncoast Gerontology Center ERIC A. PFEIFFER
School of Physical Therapy MARTHA A. CLENDEEN

Dean MARY TITTLE
Assistant to the Dean ANNE PHILLIPS

Directors:

Admissions JACQUELINE NELSON
Development DAVID JOHNSON
Doctoral Studies MARY WALKER
Informatics KATHY MILHOLLAND
Nursing Learning Resource Center DEBRA DANFORTH
Research MARY EVANS

College of Public Health

Dean CHARLES S. MAHAN
Associate Dean PHILLIP J. MARTY
Assistant Dean ELIZABETH GULITZ
Assistant to the Dean SUSAN WEBB

Chairpersons:

Community and Family Health ROBERT J. McDERMOTT
Environmental and Occupational Health ANN DeBALDO
Epidemiology and Biostatistics (Interim) PHILLIP J. MARTY
Health Policy and Management (Interim) BARBARA ORBAN
College of Arts and Sciences

Dean                      S. DAVID STAMPS  
Associate Dean            MARK AMEN  
Associate Dean            MARILYN MYERSON  
Associate Dean            DIANE TESRAKE  
Assistant to the Dean     TBA  
Coordinator, Academic Support Services BEATRICE SMITH  

Chairpersons:
  Africana Studies         NAVITA JAMES  
  Anthropology            LINDA WHITEFORD  
  Biology                 SIDNEY PIERCE  
  Chemistry               MIKE ZAWOROTKO  
  Communication           ERIC M. EISENBERG  
  Communication Sciences  & Disorders ARTHUR M. GUILFORD  
  Criminology             WILLIAM R. BLOUNT  
  Economics               JOSEPH S. DeSALVO  
  English                 S. J. RUBIN  
  Geography               GRAHAM TOBIN  
  Geology                 MARK STEWART  
  Gerontology             WILLIAM E. HALEY  
  Government & International Affairs MOHSEN M. MILANI  
  History                 JOHN M. BELOHLAVEK  
  Humanities & American Studies PRISCILLA BREWER  
  Marine Science          PETER R. BETZER  
  Mathematics             M. M. McWATERS  
  Philosophy              PETER A. FRENCH  
  Physics                 R. S. F. CHANG  
  Psychology              EDWARD L. LEVINE  
  Rehabilitation and Mental Health Counseling WILLIAM G. EMENER  
  Religious Studies       DANNY JORGENSEN  
  Sociology               DONILEEN LOSEKE  
  Women's Studies         OFELIA SCHUTTE  

Directors:
  Bachelor of Independent Studies BRUCE COCHRANE  
  Botanical Gardens         FREDERICK E. ESSIG  
  Herbarium                 RICHARD P. WUNDERLIN  
  Languages and Linguistics, Division of (Interim) C. EUGENE SCRUGGS  
  Library and Information Science, School of VICKI GREGORY  
  Mass Communications, School of J. FRIEDLANDER  
  Medical Technology        S. H. GROSSMAN  
  Social Work, School of    JEAN AMUSO  

Program Directors:
  Environmental Science & Policy RENU KHATOR  
  Interdisciplinary Social Sciences SPENCER CAHILL  
  International Studies       DARRELL SLIDER  
  Political Science          LAWRENCE W. MOREHOUSE  
  Public Administration      J. E. PYNES  

College of Business Administration

Dean                      ROBERT L. ANDERSON  
Associate Dean            RICHARD L. MEYER  
Associate Dean for Public Affairs RICHARD T. BOWERS  

Chairpersons:
  Economics                JOSEPH S. DeSALVO  
  Finance                  SCOTT BESLEY  
  Information Systems/Decision Sciences STANLEY J. BIRKIN  
  Management               G. ALAN BALFOUR  
  Marketing                WILLIAM LOCANDER  

Directors:
  School of Accountancy    ROBERT M. KEITH  
  Center for Economic Development  
  Research                 KENNETH F. WIEAND, JR.  
  Center for International Business  
  Center for Economic Education  
  Institute for Information Systems Management STANLEY J. BIRKIN  
  MBA Programs             STEVEN A. BAUMGARTEN  
  Office of Corporate Development  
  Small Business Development  
  Undergraduate Advising and Programs  

College of Education

 Dean                      JANE H. APPLEGATE  
 Associate Dean, Academic Affairs CONSTANCE HINES  
 Asst. Dean, Community Relations DICK J. PUGLISI  
 Asst. Dean, Undergraduate Programs HILDA ROSSELLI  

Chairpersons:
  Childhood/Language Arts/Reading Education (Interim) JANE YOUNG  
  Leadership Development (Interim) ARTHUR SHAPIRO  
  Educational Measurement and Research BRUCE HALL  
  Psychological and Social Foundations MICHAEL CURTIS  
  Secondary Education        CARINE FEYTN  
  Special Education           BETTY EPANCHIN  

Directors:
  David C. Anchin Center for the Advancement of Teaching WILLIAM KATZENMEYER  
  Caribbean Education Initiative ISABEL SIMON  
  Centers of Emphasis         JACK GRISHAM  
  Center for the Study of Migrant Education ANN CRANSTON-GINGRAS  
  Center for the Study of Technology in Physical Activity LOUIS BOWERS  
  Children's Center           JAMES W. BARNARD  
  College Reach-Out Development JOE TOMAINO  
  Florida Center of Instructional Technology ROY WINKLEMAN  
  Graduate Programs           CONSTANCE HINES  
  Greater Tampa Bay Special Education Consortium KASS CLAGGETT  
  Institute for Instructional Research and Practice CAROLYN LAVELY  
  Institute for At-Risk Infants, Children and Youth and their Families CAROLYN LAVELY  
  Institute for School Reform, Integrated Services, Child Mental Health and Educational Policy HOWARD M. KNOFF  
  National Resource Center for Middle Grades/High School Education SANDRA SCHURR  
  Program Review              JUDY WILKERSON  
  School Management Institute  
  School of Physical Education, Wellness, & Sports Studies LOUIS BOWERS  
  South Florida Educational Planning Council DICK J. PUGLISI
Stavros Center for Free Enterprise and Economic Education  DICK J. PUGLISI
Student Academic Services DIANE BRISCOE
SunCoast Area Teacher Training Program (SCATT) JEAN LINDER
SunCoast Area Center for Educational Enhancement MARTHA RICHARDSON
Technology Services & Resources CRAIG WOOLLEY
Upward Bound ROBERT DAVIS
USF Preschool for Creative Learning MARK CASERTANO

College of Engineering
Dean  MICHAEL G. KOVAC
Associate Dean for Academics MELVIN W. ANDERSON
Associate Dean for Research ROBERT P. CARNAHAN
Chairpersons:
Chemical Engineering LUIS GARCIA-RUBIO
Civil and Environmental Engineering WILLIAM C. CARPENTER
Computer Science and Engineering ABRAHAM KANDEL
Electrical Engineering ELIAS K. STEFANAKOS
Industrial and Management Systems Engineering PAUL E. GIVENS
Mechanical Engineering RAJIV DUBEY
Directors:
Coordinator of Advising GEORGE R. CARD
Center for Microelectronics Research ROBERT P. CARNAHAN
Center for Urban Transportation Research GARY BROSCH
College of Engineering Facilities Development STANLEY KRANC
Engineering Computing JOANN ALESSANDRINI
Florida Engineering Education Delivery System PAUL E. GIVENS
Lakeland FRANK YOUNG
Minority Engineering Programs JOY O'SHIELDS
Southern Technology Applications Center WILLIAM LES CAHOON

College of Fine Arts
Dean  RON L. JONES, JR.
Associate Dean, Academic Affairs JANET L.S. MOORE
Associate Dean, Administrative Affairs JOHN W. COKER
Chairpersons:
Art WALLACE WILSON
Dance TIMOTHY WILSON
Theatre DENIS CALANDRA
USF Contemporary Art Museum MARGARET MILLER
Directors:
Development SANDRA TABOR
Institute for Research in Art/Graphisoft CHARLES H. HINE, III
School of Music CHRISTOPHER DOANE
SYCOM PAUL RELLER
Coordinator:
Advising WILLIAM HAYDEN
Fine Arts Events CARL MUSSON
Production BEN KENNEY

Florida Mental Health Institute
Dean  DAVID L. SHERN
Associate Dean BARBARA MORRISON-RODRIGUEZ
Assistant Dean CYNTHIA J. STARK
Director, Administration FRANCIS M. PARIS
Chairpersons:
Aging & Mental Health (Interim) LARRY DUPREE
Child & Family Studies ROBERT M. FRIEDMAN
Community Mental Health GREGORY B. TEAGUE
Mental Health Law & Policy JOHN PETRILA
Directors:
State Liaison PATRICIA ROBINSON
Center for Autism and Related Disabilities GLEN DUNLAP
Research & Training Center for Children's Mental Health ROBERT FRIEDMAN
The USF Center for HIV Education & Research MICHAEL KNOX
Professional Development Center JOHN MULLINS
Research & Training Center on Positive Behavioral Support GLEN DUNLAP

School of Architecture and Community Design
Dean  ALEXANDER RATENSKY

Educational Outreach
Dean  BARBARA EMIL
Director, Research and Development LYNNE REJNIK
Director, Program Development LARRY McGAUGHLIN
Department/Unit Administrators:
Administrative Coordinators LIZ KARL
W. LYNN ROBERTS
Classroom Support JACQUELINE FECHTER
Community Music JACQUES LINDER
Conferences and Institutes LAURA ELLENBURG
Distance Learning Course/Faculty Support MICHAEL CHURTON
Distance Learning Student Support CAROL HARNEIT
Lifelong Learning, Graduate Certificates LAGRETTA LEMBER
Marketing and Customer Service ELISSA HENDLEREN
Mediation Institute GREGORY FIRESTONE
Office of Resources for Business and Industry Training (ORBIT) MARY PRESCHOTT
Pre-college and Community Outreach JEAN CALANDRA
Senior Programs LEE LEAVENGOOD

Graduate Studies
Dean  DALE E. JOHNSON
Associate Dean CARNOT NELSON
Director, Graduate Admissions PATRICIA PEKOVSKY
Coordinator, Administrative Services HENRIETTA GLOW
Coordinator, Academic Support Services CAROL D. HINES-COBB
Multicultural Graduate Programs Advisor RODERIC A. HALE

International Affairs
Dean  JOAN MC CARTHY
Director, International Student and Scholar Services DAVID AUSTELL
Director, Latin American and Caribbean Studies MICHAEL CONNIF
Director, English Language Institute JEFFRA FLAITE
Director, Center for Africa and the Diaspora O. GEOFFREY OKOGBAA
Director, Study Abroad  C. EUGENE SCRUGGS
Director, Exchanges  STUART SILVERMAN
Directors, Florida Linkages
( France, Japan, China)  C. EUGENE SCRUGGS
                             MARK T. ORR
                             MIRIAM STAMPS

Undergraduate Studies
Dean  W. ROBERT SULLINS
Associate Dean  CURTIS W. WIENKER
Assistant Dean for Special Programs  STUART SILVERMAN
Director, Evaluation and Testing  TERESA FLATLEY
Air Force ROTC  LT COL ROBERT I. CONNELLI
Army ROTC  LTC GLORIA A. ATKINSON

USF at Sarasota-Manatee/New College
Dean and Warden  MICHAEL S. BASSIS
Associate Dean, University Program  TBA
Associate Dean and Warden, New College  MAGDALENA E. CARRASCO
Chairpersons, New College:
Humanities  GLENN R. CUOMO
Natural Sciences  SUZANNE E. SHERMAN
Social Sciences  GORDON B. BAUER
Director, Administrative Affairs  RICHARD KENDRICK
Director, Admissions, New College  KATHLEEN M. KILLION
Director, Advancement/Development  TBA
Director, Campus Computing  R. DUFF COOPER
Director, Counseling & Wellness Center  ANNE E. FISHER
Director, Jane Bancroft Cook Library  JOAN M. PELLAND
Director, Physical Plant  RICHARD E. OLNEY
Director, Police Services  J. D. WITHEROW
Director, Records & Registration  TBA
Director, Special Project Development  TBA
Director, Student Affairs  MARK BLAWEISS

USF at St. Petersburg
Executive Officer and Dean  H. WILLIAM HELLER
Associate Dean, Academic Affairs  WINSTON T. BRIDGES, JR.
Chairperson, Marine Science  PETER BETZER
Director, Administration & Finance  HERMAN J. BRAMES
Director, Advancement  CAROL RUSSELL
Director, Poynter Library (Interim)  KATHLEEN ARSENAULT
Director, Student Affairs  STEPHEN RITCH
Coordinator, Public Relations  DEBORAH KURELIK

USF at Lakeland
Campus Dean
and Executive Officer  L. PRESTON MERCER
Director, Academic Programs  KANDI DEITEMEYER
Director, Business, Finance, and Auxiliary Services  JOSH BRESLER
Coordinator, Admissions/Registration  WILLETTE ROACH

ADMINISTRATIVE SERVICES
Vice President  ALBERT C. HARTLEY
Associate Vice President  RICKARD C. FENDER
Director, Auxiliary Services  JEFFREY A. MACK
Director, Environmental Health & Safety  TERRY DOWDY
Director, Facilities Planning & Construction  STEVEN W. GIFT
Director, Physical Plant  ADRIAN CUARTA
Director, University Police  PAUL A. URAVICH
Director, Purchasing & Financial Services  ERIC L. WALDEN
President, Sun Dome, Inc.  MICHAEL LAPAN

BUDGETS, HUMAN RESOURCES AND INFORMATION TECHNOLOGY
Vice President  LAUREY T. STRYKER
Assistant Vice President  CLAIRE S. ROBINSON
Associate Vice President, Budget and Policy Analysis  PAULA VARNES FUSSELL
Associate Vice President, Human Resources  TRUDIE E. FRECKER
Associate Vice President, Information Technologies  GEORGE W. ELLIS
Assistant Vice President  EDOUARD L. PIOU
Director, Employment Services  MARY ALICE ALBRITTON
Director, Institutional Effectiveness  JACK WALTERS
Director, Central Florida Regional Data Center  JOHN JACKSON
Director, HSC Human Resources/Personnel  KARLA CHARRON
Director, Institutional Research  JON W. BLADES
Director, Organization Development and Training  SANDRA M. COOPER
Coordinator, Victims' Advocacy Program  MARY SAMUEL REID

RESEARCH
Vice President  GEORGE R. NEWKOME
Associate Vice President  KENNETH G. PRESTON
Executive Assistant, Administration  RHONDA HENDRIX
Executive Assistant, Finance  LINDA P. HAYES
Director, Comparative Biomedicine  ROBERT ENGELMAN
Director, Patents & Licensing  KENNETH G. PRESTON
Director, Research Compliance  TBA
Director, Sponsored Research  PRISCILLA POPE

STUDENT AFFAIRS
Vice President  HAROLD L. NIXON
Executive Assistant, Administration  ALICE MURRAY
Executive Assistant, Finance  LUZ ARCILA
Associate Vice President for Student Life & Wellness  WILMA J. HENRY
Associate Vice President for Enrollment Planning & Management  BRUCE A. BURSACK
Assistant Vice President for Academic Support & Achievement  THELMA D. BENTON
University Registrar  ANGELA DeBOSE
Associate Dean, Judicial Services (Interim)  ANTHONY JOINER
Associate Dean, Student Relations  JEN DAY SHAW
Director, Academic Advising  SYLVIA SALTER
Director, Admissions  CECILIA LESLIE
Director, Adult & Transfer Student Services  MARSHA LOGAN
Director, Campus Recreation  ANDREW HONKER
Director, Career Center  DREMA K. HOWARD
Director, Counseling Center  WILLIAM ANTON
Director, Financial Aid  LEONARD GUIDE
Director, Marshall Center  GUY CONWAY
Director, McNair Scholars Program  JOAN HOLMES
Director, New Student Orientation  JUDY LUEDTKE
Director, Project Thrust/PEP  MACK DAVIS
### UNIVERSITY ADVANCEMENT

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director, Residence Services</td>
<td>THOMAS KANE</td>
</tr>
<tr>
<td>Director, Student Academic Support System</td>
<td>JANE REED</td>
</tr>
<tr>
<td>Director, Student Disability Services</td>
<td>TBA</td>
</tr>
<tr>
<td>Director, Student Health Services Medical</td>
<td>EGILDA TERENZI</td>
</tr>
<tr>
<td>Director, Student Publications</td>
<td>JAY LAWRENCE</td>
</tr>
<tr>
<td>Director, Student Support Services</td>
<td>REBA GARTH</td>
</tr>
<tr>
<td>Coordinator, Veteran Affairs</td>
<td>MEREDITH NICKLES</td>
</tr>
<tr>
<td>Business Manager, Student Government</td>
<td>JOE SYNOVEC</td>
</tr>
</tbody>
</table>

### WUSF Public Broadcasting

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Manager</td>
<td>JAMES B. HECK</td>
</tr>
<tr>
<td>Station Manager, WUSF-FM</td>
<td>JOANN UROFSKY</td>
</tr>
<tr>
<td>Station Manager, WUSF-TV</td>
<td>WILLIAM BUXTON</td>
</tr>
<tr>
<td>Business Manager</td>
<td>KATHY CARSON</td>
</tr>
<tr>
<td>Development Director</td>
<td>VIRGINIA MIKULA</td>
</tr>
</tbody>
</table>
ZBAR, FLORA J., Assistant Professor (English), 1965
  B.A., M.A., Florida State University, 1962
ZEIDLER, DANA L., Associate Professor (Secondary Education), 1996
  A.A., B.A., M.A., Ph.D. Syracuse, 1982
ZEKTZER, ANDREW S., Faculty Administrator (Chemistry), 1995
  B.S., Ph.D. University of South Florida, 1987
ZELSKI, ROBERT F., Visiting Instructor (Communication Sciences & Disorders), 1999
  B.S., M.S., Ph.D., University of Georgia, 1974
ZERLA, FREDRIC J., Associate Professor (Mathematics), 1963
  B.A., M.S., Ph.D. Florida State University, 1967
ZERVIGON-HAKES, ANITA M., Associate Professor (Public Health), 1997
  B.A., M.Ed., Ph.D. Florida State University, 1990
ZESIEWICZ, THERESA A., Assistant Professor (Neurology), 1995
  B.S., M.D. University of Medicine and Dentistry of New Jersey, 1988
ZHANG, JINRONG P., Faculty Administrator (Florida Institute Phosphate Research), 1994
  B.S., M.S., Ph.D. University of Nevada, 1991
ZHANG, XIAOHONG, Visiting Postdoctoral Fellow (Biochemistry & Biology), 1996
  B.S., M.S., Ph.D., University of Texas at Houston, 1996
ZHOU, JUN, Research Associate (Internal Medicine), 1999
ZHU, WEI, Assistant Professor (Division of Languages), 1998
  B.A., M.A., Ph.D. Northern Arizona University, 1994
ZHU, YILANG, Associate Professor (Epidemiology and Biostatistics), 1993
  B.S., M.S., Ph.D. University of Toronto, 1992
ZHUUKOV, TATYANA A., Research Associate (Internal Medicine), 1999
  M.S., Ph.D. Kiev State Medical Institute, 1981
ZUBROD, ALEXIS R., Visiting Instructor (Academic I&R Support), 1999
  B.A., M.A., M.S., Ph.D., Pennsylvania State University, 1992
ZUCKERMAN, KENNETH S., Professor (Internal Medicine), 1993
  B.S., M.D. Ohio State University, 1972
ZUSMAN, JACK, Professor (Child & Family Studies), 1982
  A.B., M.A., M.D., Columbia University School of Public, Health and Administrative Medicine, 1960
ZYLSTRA, SAPE A., Professor (Humanities & American Studies and Graduate Architecture Program), 1969
  B.A., B.D., Ph.D., Emory University, 1969
INDEX

A
About USF 9
Academic Advising for Undergraduate Students 36
Academic Computing 65
Academic Dishonesty And Disruption Of
Academic Process 44
Academic Load 36
Academic Major 52
Academic Minor 53
Academic Probation and Academic Dismissal 42
Academic Progress 43
Academic Record 42
Academic Regulations and Information 36
Academic Regulations Committee 44
Academic Renewal (Amnesty) 42
Academic Residence 52
Academic Scholarships 23
Academic Services and Support 61
Academic Support and Achievement 25
Accelerated Progress Toward Undergraduate
Degrees 17
Accounting 13
Add/ Drop 37
Administrative Holds 43
Admission to a College 43
Admission to the College of Nursing 190
Admissions 27
Adult and Transfer Student Services 27
Advanced Placement Credit Program 57
Advising for Limited Access Programs 37
Advising for Non-Limited Access Programs 37
Africana Studies 75
Air Force ROTC 196
Anthropology 77
"Anytime, Anyplace" Learning 62
Application for Graduation 55
Applying for Admission 12
Architecture and Community Design 198
Army & Air Force R.O.T.C. For Engineering
Students 168
Army ROTC 196
Art 173
Art Education 175
Arts and Sciences, College of 67
Arts and Sciences Courses 117
Arts and Sciences Faculty 115
Auditing Privileges and Fees 38
Availability of a Baccalaureate Degree 54
Availability of Courses 36
B
B.A. Degree for Medical and Dental Students 55
B.A. Degree for Students Accepted for Early
Admission 74
B.A. Degree Program for Secondary School
Teachers 75
Baccalaureate Degree University Requirements 51
Bachelor of Independent Studies 59, 78
Biology 79
Business Administration, College of 128
Business Administration Courses 134
Business Administration Faculty 134
Business and Office Education 138
C
Campus Dining Services 35
Campus Recreation 34
Cancellation Before First Class Day 38
Center for Academic Advising 25
Center for Africa and the Diaspora 61
Certificate in Asian Studies 69
Certificate in Biomedical Engineering 166
Certificate in Corrections 70
Certificate in International Business 133
Certificate in Latin American and Caribbean
Studies 70
Certificate in Modern Western European Studies 70
Certificate in Russian Studies 71
Certificate in Urban Studies 72
Certificate of Enhancement 167
Certification Requirements Associate of Arts 56
Change of Major 43
Cheating 44
Chemical Engineering 154
Chemistry 80
Childhood-Language Arts/Reading Education 139
Civil and Environmental Engineering 156
Class Standing 43
Classics 99
Clubs and Other Organizations 32
College Level Academic Skills Test (CLAST) 38
College Level Examination Program (CLEP) 57
College Reach-Out Program 58
Commencement 55
Communication 83
Communication Sciences and Disorders 84
Community Experiential Learning Program 58, 69
Computer Science and Engineering 158
Computer Service (SC) Courses 167
Continuously Enrolled Degree-Seeking Student 36
Cooperative Education Program 167
Counseling Center for Human Development 28
Course Attendance at First Class Meeting 37
Courses and Programs Outside Undergraduate
Colleges 198
Credit by Examination 51
Criminology 86
### INDEX

#### D
- Dance 175
- Dean's List 44
- Declaration of Major 37
- Degree Requirements 130
- Disruption of Academic Process 45
- Division of Conferences and Institutes 63
- Division of Lifelong Learning 63
- Double Undergraduate Major 54
- Drops 37
- Dual Enrollment (Public/Private High/Home School) 18

#### E
- Early Childhood Education 140
- Economics 86, 130
- Education, College of 136
- Education Advising 137
- Education Courses 148
- Education Faculty 148
- Educational Outreach 61
- Educational Measurement and Research 144
- Elective Physical Education 144
- Electrical Engineering 161
- Elementary Education 140
- Engineering, College of 151
- Engineering Advising 152
- Engineering Courses 168
- Engineering Faculty 168
- English 87
- English Education 141
- Enrollment Planning and Management 26
- Environmental Science and Policy 89
- Equal Opportunity Policy 10
- Evaluation and Testing 197
- Evening Courses 17

#### F
- Facilities and Atmosphere 10
- Fees 20
- Final Examinations 43
- Finance 131
- Financial Aid 22, 27
- Fine Arts, College of 171
- Fine Arts Advising 171
- Fine Arts Courses 185
- Fine Arts Faculty 184
- Florida College Exchange Program 59
- Florida Residency For Tuition Purposes 20
- Foreign Language Education 141
- Foreign Language Graduation Requirement 52
- Foreign Language Placement 52
- Former Student Returning 36
- Freshman English Requirement 51

#### G
- General Admission Policies 12
- General Business 129
- Geography 90
- Geology 91
- George Jenkins Scholars 26
- German 100
- Gerontology 92
- Gordon Rule 39
- Government and International Affairs 93
- Grade Forgiveness Policy 41
- Grade Point Average 41
- Grading System 40
- Graduation Requirements 51
- Guide to Resources for Students with Disabilities 10

#### H
- Health Professions 73
- History 95
- Honors at Graduation 55
- Honors Convocation 43
- Honors Program 17
- Humanities and American Studies 96

#### I
- "I" Grade Policy 41
- Independent Study 58
- Industrial and Management Systems Engineering 163
- Industrial-Technical Education 139
- Information Systems and Decision Sciences 131
- Information Technologies/CFRDC 65
- Institute on Black Life 61
- Intercollegiate Athletics 35
- Interdisciplinary Natural Sciences 97
- Interdisciplinary Social Sciences 98
- International Affairs 59
- International Programs 133
- International Student and Scholar Services (ISSS) 60
- International Student Exchange Program (ISEP) 198
- International Studies 93
- Italian 100
<table>
<thead>
<tr>
<th>Index Entry</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judicial Procedures</td>
<td>35</td>
</tr>
<tr>
<td>Languages and Linguistics</td>
<td>99</td>
</tr>
<tr>
<td>Leadership Development</td>
<td>138</td>
</tr>
<tr>
<td>Learning Communities</td>
<td>17</td>
</tr>
<tr>
<td>Liberal Arts Requirements</td>
<td>46</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>100</td>
</tr>
<tr>
<td>Library and Information Science</td>
<td>101</td>
</tr>
<tr>
<td>Linguistics</td>
<td>100</td>
</tr>
<tr>
<td>Louis de la Parte Florida Mental Health Institute</td>
<td>66</td>
</tr>
<tr>
<td>&quot;M&quot; Grade Policy</td>
<td>41</td>
</tr>
<tr>
<td>Management</td>
<td>132</td>
</tr>
<tr>
<td>Mandatory Medical Requirements for Registration</td>
<td>30</td>
</tr>
<tr>
<td>Marine Science</td>
<td>101</td>
</tr>
<tr>
<td>Marketing</td>
<td>132</td>
</tr>
<tr>
<td>Mass Communications</td>
<td>101</td>
</tr>
<tr>
<td>Mathematics</td>
<td>103</td>
</tr>
<tr>
<td>Mathematics Education</td>
<td>142</td>
</tr>
<tr>
<td>McNair Scholars Program</td>
<td>25</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>164</td>
</tr>
<tr>
<td>Mediation Institute</td>
<td>63</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>105</td>
</tr>
<tr>
<td>Medicine</td>
<td>198</td>
</tr>
<tr>
<td>Minimum Requirements for Admission</td>
<td>13</td>
</tr>
<tr>
<td>Minor in International Business</td>
<td>134</td>
</tr>
<tr>
<td>Modern Greek</td>
<td>100</td>
</tr>
<tr>
<td>Music</td>
<td>178</td>
</tr>
<tr>
<td>Music Education</td>
<td>180</td>
</tr>
<tr>
<td>New College</td>
<td>189</td>
</tr>
<tr>
<td>Non-credit Training and Professional Development</td>
<td>63</td>
</tr>
<tr>
<td>Non-Degree Seeking Student</td>
<td>18</td>
</tr>
<tr>
<td>Nursing, College of</td>
<td>190</td>
</tr>
<tr>
<td>Nursing Advising</td>
<td>190</td>
</tr>
<tr>
<td>Nursing Courses</td>
<td>193</td>
</tr>
<tr>
<td>Nursing Faculty</td>
<td>193</td>
</tr>
<tr>
<td>Nursing Program</td>
<td>192</td>
</tr>
<tr>
<td>Off-Campus Housing</td>
<td>31</td>
</tr>
<tr>
<td>Off-Campus Opportunities</td>
<td>62</td>
</tr>
<tr>
<td>Office of Research</td>
<td>66</td>
</tr>
<tr>
<td>Office of the Registrar</td>
<td>28</td>
</tr>
<tr>
<td>ORBIT (Office of Resources for Business &amp; Industry Training)</td>
<td>63</td>
</tr>
<tr>
<td>Orientation</td>
<td>28</td>
</tr>
<tr>
<td>Orientation and Initial Advising</td>
<td>37</td>
</tr>
<tr>
<td>Parents Association</td>
<td>26</td>
</tr>
<tr>
<td>Parking and Transportation</td>
<td>23</td>
</tr>
<tr>
<td>Payment of Accounts Due the University</td>
<td>22</td>
</tr>
<tr>
<td>Personal Excellence Program</td>
<td>26</td>
</tr>
<tr>
<td>Philosophy</td>
<td>105</td>
</tr>
<tr>
<td>Phyllis P. Marshall Center</td>
<td>31</td>
</tr>
<tr>
<td>Physical Education</td>
<td>144</td>
</tr>
<tr>
<td>Physics</td>
<td>106</td>
</tr>
<tr>
<td>Political Science</td>
<td>94</td>
</tr>
<tr>
<td>Posthumous Degrees or Degrees in Memoriam</td>
<td>55</td>
</tr>
<tr>
<td>Pre-college and Community Outreach</td>
<td>63</td>
</tr>
<tr>
<td>Pre-dental/Pre-medical/Pre-podiatry Program</td>
<td>73</td>
</tr>
<tr>
<td>Pre-optometry Program</td>
<td>74</td>
</tr>
<tr>
<td>Pre-veterinary Medicine Program</td>
<td>74</td>
</tr>
<tr>
<td>Preparation for Engineering</td>
<td>151</td>
</tr>
<tr>
<td>Professional Engineering</td>
<td>151</td>
</tr>
<tr>
<td>Project Thrust</td>
<td>26</td>
</tr>
<tr>
<td>Psychological and Social Foundations of Education</td>
<td>146</td>
</tr>
<tr>
<td>Psychology</td>
<td>107</td>
</tr>
<tr>
<td>Public Broadcasting</td>
<td>65</td>
</tr>
<tr>
<td>Public and Community Health Education Courses</td>
<td>195</td>
</tr>
<tr>
<td>Public Health, College of</td>
<td>195</td>
</tr>
<tr>
<td>Public Health Advising</td>
<td>195</td>
</tr>
<tr>
<td>Qualifications for Internship Experience</td>
<td>137</td>
</tr>
<tr>
<td>Readmission (Former Students Returning)</td>
<td>18</td>
</tr>
<tr>
<td>Refund of Tuition/Fees Payment</td>
<td>22</td>
</tr>
<tr>
<td>Regents and College of Nursing Examinations</td>
<td>193</td>
</tr>
<tr>
<td>Registration for Admitted Degree-Seeking Students</td>
<td>36</td>
</tr>
<tr>
<td>Rehabilitation and Mental Health Counseling</td>
<td>108</td>
</tr>
<tr>
<td>Release of Student Information</td>
<td>56</td>
</tr>
<tr>
<td>Release of Tuition/Fees Liability</td>
<td>22</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>108</td>
</tr>
<tr>
<td>Repeat Course Surcharges</td>
<td>38</td>
</tr>
<tr>
<td>Repeat Course Work</td>
<td>54</td>
</tr>
<tr>
<td>Residence Services</td>
<td>30</td>
</tr>
<tr>
<td>Russian</td>
<td>100</td>
</tr>
<tr>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>S/U Grade System</td>
<td>Tampa Library 64</td>
</tr>
<tr>
<td>S/U Grading in the College</td>
<td>Teacher Education Programs 75, 136</td>
</tr>
<tr>
<td>Science Education</td>
<td>The Career Center 27</td>
</tr>
<tr>
<td>Second Baccalaureate Degree (Transfer Students)</td>
<td>The English Language Institute 61</td>
</tr>
<tr>
<td>Second Undergraduate Major</td>
<td>Theatre 182</td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Transcript Information 38</td>
</tr>
<tr>
<td>Semester System</td>
<td>Transfer of Credit To USF 36</td>
</tr>
<tr>
<td>Senior Citizen Tuition Waiver</td>
<td>Transient Students 57</td>
</tr>
<tr>
<td>Senior Programs</td>
<td>Two Degrees (USF Students) 54</td>
</tr>
<tr>
<td>Social Science Education</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>Undergraduate Admission to the College of Arts and Sciences 67</td>
</tr>
<tr>
<td>Sociology</td>
<td>Undergraduate Admission to the College of Business 129</td>
</tr>
<tr>
<td>Southern Technology Applications Center (STAC)</td>
<td>Undergraduate Admission to the College of Engineering 151</td>
</tr>
<tr>
<td>Spanish</td>
<td>Undergraduate Admission to the College of Fine Arts 171</td>
</tr>
<tr>
<td>Special Academic Programs</td>
<td>Undergraduate Advising Information 67</td>
</tr>
<tr>
<td>Special Education</td>
<td>Undergraduate Nursing Program 190</td>
</tr>
<tr>
<td>Special Events Center</td>
<td>Undergraduate Studies 196</td>
</tr>
<tr>
<td>Standards and Student Judicial Procedures</td>
<td>University Bookstores 35</td>
</tr>
<tr>
<td>Standards of Conduct</td>
<td>University Honors Program 197</td>
</tr>
<tr>
<td>State University System Correspondence Courses</td>
<td>University Organization 204</td>
</tr>
<tr>
<td>Student Academic Grievance Procedures</td>
<td>University Police 11</td>
</tr>
<tr>
<td>Student Academic Support System (SASS)</td>
<td>Upward Bound 58</td>
</tr>
<tr>
<td>Student Activities</td>
<td>USF at Pasco-Hernando Community College 62</td>
</tr>
<tr>
<td>Student Advising and Records</td>
<td>USF Downtown Center 62</td>
</tr>
<tr>
<td>Student Affairs</td>
<td>USF I.D. Card 35</td>
</tr>
<tr>
<td>Student Disability Services</td>
<td>USF Library System 64</td>
</tr>
<tr>
<td>Student Government</td>
<td>USF North Pinellas 62</td>
</tr>
<tr>
<td>Student Health Services</td>
<td>USF/Florida Public Community College Cross Enrollment 57</td>
</tr>
<tr>
<td>Student Information Changes</td>
<td>V</td>
</tr>
<tr>
<td>Student Life and Wellness</td>
<td>Veterans Affairs (VA) Benefits 23</td>
</tr>
<tr>
<td>Student Organizations</td>
<td>Victims’ Advocacy Program 11</td>
</tr>
<tr>
<td>Student Organizations and Activities</td>
<td>W</td>
</tr>
<tr>
<td>Student Organizations in the College of Arts and Sciences</td>
<td>Washington, D.C. Internship Program 59</td>
</tr>
<tr>
<td>Student Organizations within the College of Business Administration</td>
<td>Withdrawal 38</td>
</tr>
<tr>
<td>Student Publications</td>
<td>Women's Studies 112</td>
</tr>
<tr>
<td>Student Records Policy</td>
<td></td>
</tr>
</tbody>
</table>