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

Undergraduate students enrolled in the University are entitled to one copy of the current issue of the USF Undergraduate Catalog. Students wanting additional copies may purchase them at the University Bookstore. Prospective students may obtain general University information concerning admissions, fees and degree programs by requesting either the Undergraduate Viewbook 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.-5:00 p.m., Monday through Friday. Prospective freshmen are encouraged to attend USF PREVIEW. This program, held on the Tampa Campus, is designed to acquaint participants with USF admission, financial aid, housing, annual costs, academics and student life. USF PREVIEW information is available from the Office of Admissions in Tampa.

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

Communicating With The University

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

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

Academic Advising (for upperclassmen)
Arts & Sciences, BEH 201 http://www.cas.usf.edu/
Business Admin., BSN 1406 http://www.coba.usf.edu/
Education, EDU 106 974-4290
Engineering, ENC 100 http://www2.eng.usf.edu/main.asp
Nursing, MDN 1036
http://hscc.usf.edu/nursing/
Pre-Medical, CHE 306 http://www.cas.usf.edu/ac/
Visual and Performing Arts, FAH 120 http://www.arts.usf.edu/

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

Adult and Transfer Student Services
Office of the Director, SVC 1001
http://www.rmit.usf.edu/enroll/atss/

Applications and Admissions
Office of Admissions, SVC 1036
http://www.rmit.usf.edu/enroll/admiss/admiss.htm
askrocky@admin.usf.edu

Athletics (Intercollegiate)
Director of Athletics, PED 214 http://www.gousfbulls.com

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

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

College Level Examination Program (CLEP tests)
Office of Evaluation and Testing Services, SVC 2011 974-2741
http://www.rmit.usf.edu/enroll/evaltest.htm

Community College and Transfer Students
Adult and Transfer Student Services, SVC 1001
http://www.rmit.usf.edu/enroll/atss/

Continuing Education Courses and Conferences
Continuing Education, MGZ 144 974-2403
Division of Conferences and Institutes, MHH 116 974-5731
English Language Institute, CPR 107 974-3433
http://www.conted.usf.edu/

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

Educational Outreach
Office of the Dean, SVC 5010 974-8057
http://www.outreach.usf.edu/

Financial Assistance (scholarships, loans, employment)
Office of Financial Aid, SVC 1102 http://www.rmit.usf.edu/finaid/

Graduate Studies
Office of the Dean, FAO 126 http://www.rmit.usf.edu/grad/

Health Services (Student)
Health Center, SHS 100 974-2331
http://www.shs.usf.edu/

Honors Program
Office of the Dean, FAO 274 974-3087
http://web.usf.edu/honors/

Housing: Campus Residence Halls
Office of Residence Life, RAR 229 974-2171
http://www.reserv.usf.edu/

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

International Student and Scholar Services
Office of the Advisor, CTR 259 974-5102
http://web.usf.edu/aoc/default.htm

Library Resources
Tampa Campus: Office of the Director of Libraries, LIB 207 (813) 974-2721
http://www.lib.usf.edu/
St. Petersburg Campus: Office of the University Librarian (813) 553-3401
http://www.library.usf.edu/
Sarasota Campus: Office of the Librarian (941) 359-4300
http://lib.sar.usf.edu/

Lakeland Campus: PCC/USF Library

Minority Student Advising
Center for Academic Advising, SVC 2111 974-2645
http://www.sa.usf.edu/advising/

Orientation
Office of the Director, SVC 1138 974-3060
http://www.rmit.usf.edu/enroll/orient/orient.htm

Parking and Traffic Services
Parking Services, PSB 101 974-3990
http://www.rmit.usf.edu/parking_services/

Pre-Admission Advising for Prospective Freshman,
International, Mature, Minority, and Transfer Students
Office of Admissions, SVC 1036 974-3350
http://www.rmit.usf.edu/enroll/admiss/admiss.htm
askrocky@admin.usf.edu

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

Records, Registration
Office of the Registrar, SVC 1034 974-2000
http://www.rmit.usf.edu/enroll regist/regist.htm
regquest@admin.usf.edu

Speakers Bureau
Media Relations and Publications, ADM 264 974-4014

Student Affairs
Office of the Vice President, ADM 151 974-5553
Transcripts USF
Office of the Registrar, SVC 1034 974-2000
http://www.rmit.usf.edu/enroll regist/regist.htm

Tuition Waiver For Senior Citizens
Division of Lifelong Learning, MHH 116 974-2403
http://www.rmit.usf.edu/life/lll.htm

Transfer (Undergraduate) Student Problems
Adult and Transfer Student Services, SVC 1001 974-6444
http://www.rmit.usf.edu/enroll/atss/

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

University Experience Program
Office of the Coordinator, SVC 310 974-4183
http://www.sa.usf.edu/ue/

University Police
Emergencies 911
Upn 002 974-2628

Veterans Services
Office of Veterans Services, SVC 2127
http://www.rmit.usf.edu/vetserv/
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## List of Degree Programs and Common Prerequisites

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<td>Accounting [BA] - B.A./B.S.</td>
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<td>Africana Studies [AS] - B.A.</td>
<td>82</td>
<td>No Common Prerequisites</td>
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<tr>
<td>American Studies [AS] - B.A.</td>
<td>105</td>
<td>No Common Prerequisites</td>
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<tr>
<td>Anthropology/Applied Anthropology [AS] - B.A.</td>
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<td>Common Prerequisites</td>
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<tr>
<td>Art History [VP] - B.A.</td>
<td>180</td>
<td>Common Prerequisites</td>
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<tr>
<td>Art Studio [VP] - B.A./B.F.A.</td>
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<tr>
<td>Behavior Disorders [ED] - B.A./B.S.</td>
<td>146</td>
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<td>Biology [AS] - B.S.</td>
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<tr>
<td>Business and Office Education [ED] - B.A./B.S.</td>
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<td>Chemical Engineering [EN] - B.S.</td>
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<tr>
<td>Chemistry [AS] - B.A./B.S.</td>
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<td>Civil Engineering [EN] - B.S.</td>
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<tr>
<td>Civil Engineering [EN] - B.S. (Environmental Engineering)</td>
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<tr>
<td>Classics [AS] - B.A.</td>
<td>120</td>
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<tr>
<td>Communication (Speech) [AS] - B.A.</td>
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<td>Communication Sciences and Disorders [AS] - B.A.</td>
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<td>Speech, Language, Hearing Science (LSH), Deaf Studies (DST), Educational Interpreter Training (ITT), No Common Prerequisites</td>
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<td>Computer Engineering [EN] - B.S.</td>
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<tr>
<td>Computer Science [EN] - B.S.</td>
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<tr>
<td>Criminology [AS] - B.A.</td>
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<td>Dance Performance [VP] - B.F.A. (Ballet and Modern)</td>
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<tr>
<td>Dance Studies [VP] - B.A.</td>
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<tr>
<td>Dance Education [VP] - B.S. - Program Inactive</td>
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<tr>
<td>Early Childhood Education [ED] - B.A./B.S.</td>
<td>139</td>
<td>Common Prerequisites</td>
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<tr>
<td>Economics [AS] - B.A.</td>
<td>94</td>
<td>Common Prerequisites</td>
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<tr>
<td>English [AS] - B.A.</td>
<td>95</td>
<td>(Option 1: English and American Literature, Option 2: Creative Writing: Fiction, Poetry, Option 3: Professional and Technical Writing) Common Prerequisites</td>
</tr>
<tr>
<td>Economics [BA] - B.A./B.S. - Limited Access</td>
<td>130</td>
<td>Common Prerequisites</td>
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<tr>
<td>Electrical Engineering [EN] - B.S.</td>
<td>158</td>
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<tr>
<td>Elementary Education [ED] - B.A./B.S.</td>
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<tr>
<td>English Education [ED] - B.A./B.S.</td>
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<tr>
<td>Environmental Science and Policy [AS] - B.S.</td>
<td>97</td>
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<tr>
<td>Finance [BA] - B.A./B.S. - Limited Access</td>
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<tr>
<td>Foreign Language Education [ED] - B.A./B.S. (French, German, Italian, Spanish, Russian)</td>
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<td>Common Prerequisites</td>
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<tr>
<td>French [AS] - B.A.</td>
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<tr>
<td>General Business Administration [BA] - B.A./B.S. - Limited Access</td>
<td>129</td>
<td>Common Prerequisites</td>
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<tr>
<td>Geography [AS] - B.A. (Option 1: Environmental Studies, Option 2: Urban Studies, Option 3: General Geography)</td>
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<td>Common Prerequisites</td>
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<td>Geology [AS] - B.A./B.S.</td>
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<td>German [AS] - B.A.</td>
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<tr>
<td>Gerontology [AS] - B.A./B.S.</td>
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<td>Common Prerequisites</td>
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<tr>
<td>Graphic Design [VP] - B.F.A. - Limited Access</td>
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<td>(Offered at the St. Petersburg Campus only) Common Prerequisites</td>
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<tr>
<td>History [AS] - B.A.</td>
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<td>Common Prerequisites</td>
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<tr>
<td>Humanities [AS] - B.A.</td>
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<tr>
<td>Industrial Engineering [EN] - B.S.</td>
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<tr>
<td>Industrial-Technical Education [ED] - B.A./B.S. (Technology Education)</td>
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<tr>
<td>Information Systems [EN] - B.S.</td>
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<tr>
<td>Information Technology [US] - B.S.I.T.</td>
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<tr>
<td>Interdisciplinary Natural Science [AS] - B.S.</td>
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<td>No Common Prerequisites</td>
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<tr>
<td>Interdisciplinary Social Sciences [AS] - B.A.</td>
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<td>Interdisciplinary Studies [AS] - B.I.S.</td>
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<tr>
<td>International Business [BA] - B.A. - Limited Access</td>
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<tr>
<td>International Studies [AS] - B.A.</td>
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<tr>
<td>Italian [AS] - B.A.</td>
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<tr>
<td>Liberal Studies [AS] - B.A. - Limited Access</td>
<td>107</td>
<td>No Common Prerequisites</td>
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<tr>
<td>Marine Biology [AS] - B.S.</td>
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<tr>
<td>Marketing [BA] - B.A./B.S. - Limited Access</td>
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<tr>
<td>Mathematics [AS] - B.A.</td>
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<td>Mathematics Education [ED] - B.A./B.S.</td>
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<td>Mechanical Engineering [EN] - B.S. - Limited Access</td>
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<td>Medical Technology [AS] - B.S.</td>
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<td>Mental Retardation [ED] - B.A./B.S.</td>
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<td>Microbiology [AS] - B.S.</td>
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<td>Music [VP] - B.M. - Limited Access</td>
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<td>Music Education [VP] - B.A./B.S.</td>
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[AS] = College of Arts and Sciences
[BA] = College of Business Administration
[ED] = College of Education
[EN] = College of Engineering
[NU] = College of Nursing
[VP] = College of Visual and Performing Arts
[US] = Undergraduate Studies
## 2002

### MAY

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### ACADEMIC CALENDAR

**FOR UNDERGRADUATE STUDENTS**

#### FALL SEMESTER, 2002

- **March 1** Friday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
- **June 1** Saturday  Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
- **June 1** Saturday  Priority processing date for undergraduate transfers and former students returning to apply for admission (except international applicants)
- **August 26** Monday  Classes begin
- **August 30** Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
- **August 30** Friday  Last day to add courses - Deadline: 5:00 p.m.
- **August 30** Friday  Last day to pay fees
- **September 2** Monday  Labor Day Holiday
- **September 6** Friday  CLAST Registration Deadline
- **September 7** Saturday  Rosh Hashanah Begins
- **September 16** Monday  Yom Kippur
- **October 5** Saturday  CLAST Administration Day
- **November 1** Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
- **November 11** Monday  Veteran’s Day Holiday celebrated
- **November 28-29** Thursday-Friday  Thanksgiving Holidays
- **December 6** Friday  Classes End
- **December 10** Saturday  Final Examinations
- **December 15** Sunday  Commencement (St. Petersburg)
- **December 17** Tuesday  Commencement (Sarasota)

#### SPRING SEMESTER, 2003

- **August 1** Thursday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
- **October 1** Tuesday  Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
- **October 1** Tuesday  Priority processing date for undergraduate transfers and former students returning to apply for admission (except international applicants)
- **January 6** Monday  Classes begin
- **January 10** Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
- **January 10** Friday  Last day to add courses - Deadline: 5:00 p.m.
- **January 10** Friday  Last day for late registration - Deadline: 5:00 p.m.
- **January 10** Friday  Last day to pay fees
- **January 20** Monday  Martin Luther King Holiday
- **January 31** Friday  Graduation Application Deadline
- **February 15** Saturday  CLAST Administration Day
- **March 10-15** Monday-Saturday  Spring Semester Break
- **March 21** Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
- **April 25** Friday  Classes End
- **April 26-May 2** Saturday-Friday  Final Examinations
- **May 3** Saturday  Commencement (Tampa)
- **May 4** Sunday  Commencement (St. Petersburg)
- **May 5** Monday  Commencement (Lakeland)
- **May 9** Friday  Commencement (Sarasota)

#### SUMMER TERM, 2003

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SESSION A
(First Six-week Session)

January 2 Thursday Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2 Wednesday Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
April 2 Wednesday Priority processing date for undergraduate transfers and former students returning to apply for admission (except for international applicants)
May 2 Friday CLAST Registration Deadline
May 12 Monday Classes begin
May 16 Friday Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
May 16 Friday Last day to add courses
May 16 Friday Last day for late registration
May 16 Friday Last day to pay fees
May 26 Monday Memorial Day Holiday
June 6 Friday Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
June 6 Friday Graduation Application Deadline
June 7 Saturday CLAST Administration Day
June 20 Friday Last day of classes
June 23-27 Monday-Friday Summer Break between Session A and Session B
August 9 Saturday Summer Commencement (Tampa)

SESSION B
(Second Six-week Session)

January 2 Thursday Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2 Wednesday Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
April 2 Wednesday Priority processing date for undergraduate transfers and former students returning to apply for admission (except for international applicants)
June 6 Friday Graduation Application Deadline
June 30 Monday Classes begin
July 4 Monday Independence Day Holiday
July 7 Monday Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
July 7 Monday Last day to add courses
July 7 Monday Last day for late registration
July 7 Monday Last day to pay fees
July 7 Monday Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
August 8 Friday Last day of classes
August 9 Saturday Summer Commencement (Tampa)

SESSION C
(Ten-week Session)

January 2 Thursday Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
April 2 Wednesday Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
April 2 Wednesday Priority processing date for undergraduate transfers and former students returning to apply for admission (except for international applicants)
May 2 Friday CLAST Registration Deadline
May 12 Monday Classes begin
May 16 Friday Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
May 16 Friday Last day to add courses
May 16 Friday Last day to pay fees
May 16 Friday Last day for late registration
May 26 Monday Memorial Day Holiday
June 6 Friday Graduation Application Deadline
June 7 Saturday CLAST Administration Day
June 27 Friday Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
July 4 Friday Independence Day Holiday
July 18 Friday Last day of classes
August 9 Saturday Summer Commencement (Tampa)
ACCRREDITATION

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

DEGREES* OFFERED
AT THE UNIVERSITY

**Undergraduate Degrees**
- Bachelor of Arts B.A.
- 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 Information Technology B.S.I.T.
- 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 M.S.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 Science in Public Health M.S.P.H.
- Master of Social Work M.S.W.

**Advanced Graduate Degrees**
- Master of 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*
UNIVERSITY OF SOUTH FLORIDA
Statement of Institutional Purpose

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

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

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

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

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

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

Within the mission of the total university, the Tampa campus plays the central role. It incorporates a comprehensive range of teaching, research and service functions and provides essential academic leadership and administrative services for the University’s multiple campuses. The missions of the regional campuses at St. Petersburg, Sarasota/Manatee and Lakeland emphasize programs that respond to demonstrated regional need for undergraduate upper level and master’s level education. On a selective basis, regional campuses also undertake program initiatives involving special community interests and resources.

ABOUT USF

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

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

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

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

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

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

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

The University has graduated more than 186,000 students since its founding. These graduates contribute to society in numerous professional and civic activities. Those who live in the Tampa Bay area alone would nearly fill Tampa’s professional football stadium (Raymond James Stadium, which is also home field for the University’s NCAA Division I football team and the 2001 Super Bowl).

USF is big in size as well as stature. Its annual operating budget is three quarters of a billion dollars. One of the largest
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 program is one of the best in the country. The University’s most popular major is business, outpacing education, engineering, social sciences and psychology. Special programs affiliated with the College of Business Administration include the Cooperative Education Program, the Center for Economic Development Research, and the Small Business Development Center. An International Study Program with an emphasis on Latin America prepares students for the growing global economy.

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

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

USF’s College of Medicine is among the best in the nation, educating physicians for its home state. More than 60 percent of its residents remain in Florida. The college is also renowned for research in brain repair, cardiology, ophthalmology and immunology. Through affiliations with Tampa General Hospital, the USF-based Moffitt Cancer Center & Research Institute (Florida’s only National Cancer Institute-designated center), All Children’s Hospital, James A. Haley Veterans Hospital, Shriners’ Hospital for Children, Bay Pines Veterans Medical Center, and Morton Plant Mease, medical students train on the cutting edge of trauma, pediatrics and cancer treatment. The College places an increasing focus on primary care. Admission is highly selective. Each year, the college receives more than 6,000 applications to fill 96 available slots.

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 10-county service area, offering students a wide range of clinical experience in both in patient 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 has the only College of Public Health in Florida. The College is one of only 27 fully accredited public health colleges in the United States. Within the college, the Legislature created the Florida Public Health Information Center (FPHIC) as a statewide center for policy-oriented, health services research. USF’s master’s of public health program takes a multidisciplinary approach to public health—exploring the social, behavioral, legal, medical and economic factors affecting public health. Areas of concentration include community and family health, epidemiology and biostatistics, environmental and occupational health and health policy and management.

The cultural hub of the University, the College of Visual and Performing Arts is home to the schools of Art and Art History, Music, and Theatre and Dance, in addition to the Contemporary Art Museum and the nationally-renowned Institute for Research in Art/Graphicstudio. The College offers courses and internships in New York, Paris, and London, and has an annual jazz residency program.

Recognizing the school’s location in one of the state’s largest metropolitan areas, the School of Architecture and Community Design prepares students to find creative solutions to problems faced by aging and emerging cities. Design projects have included innovative portable classrooms, water retention projects and urban renovation that addresses traffic, parking, environmental and community needs.

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

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

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

Located along the waterfront of Baybor Harbor, USF St. Petersburg is one of the loveliest and most inviting campuses in the nation and is the home of USF’s varsity women’s sailing team. The campus also borders the downtown area’s museums, galleries, performing arts venues and theaters. Its cultural programming is outstanding, with frequent public lectures and exhibits. Additional events often are sponsored through the Florida Humanities Council, which is headquartered on campus. USF St. Petersburg also is part of a medical and scientific research hub that includes marine science and pediatrics.

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

The Sarasota/Manatee campus is adjacent to the state-
owned Ringling Museum. USF at Sarasota/Manatee has sig-
nificant responsibility for historic and environmental preserva-
tion of the beautiful Ringling and Caples estates.

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

EQUAL OPPORTUNITY POLICY

It is the goal of the University to create and maintain a work
and study environment free 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 discrimi-
nate or take retaliatory action against any individual who, in
good faith, has opposed an alleged unlawful practice or has
made a charge, testified, assisted, or participated in any
manner in an investigation, proceeding, or hearing under the
provisions of applicable law.

GUIDE TO RESOURCES FOR STUDENTS
WITH DISABILITIES

All University programs, events, and services are open and
available to persons with disabilities. The University of South
Florida is committed to the principles of Equal Educational and
Employment Opportunities without regard to disability.

Academic Assistance for Students with Disabilities: Stu-
dent Disability Services exists to ensure that students with
disabilities have the technical, academic, and emotional sup-
port 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,
notetakers, 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 require-
ments 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

Sarasota Campus
Coordinator for Advising for Special Needs Students
PMD 223 941-359-4330

Lakeland Campus
Office of the Director for Academic Services
Building C, USF Offices 813-713-7000

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-
tectural design and all are completely air conditioned. The
Tampa campus has a variety of recreational facilities, includ-
ing: a gymnasium that features a weight room and natatorium;
a 400-meter track; two outdoor swimming pools; 22 tennis
courts; six handball/racquetball courts; an 18-hole golf course;
two parcourses, one for running and one for walking; one
baseball and four softball fields; four outdoor basketball and
volleyball courts; and a new multi-million dollar recreation
center.

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

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

UNIVERSITY POLICE

The University of South Florida Police Department provides
a full range of public safety services to the community 24 hours
a day, 7 days a week on the Tampa, Sarasota, and St. Peters-
burg Campuses. All University Police officers are certified by
the State of Florida after completing minimum standards
training at the local Regional Police Training Academy. The
University of South Florida Police Department is accredited
through the Commission for Florida Law Enforcement accredi-
tation, 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 profession-
alism.

General services provided by the University Police include
car patrol, foot patrol, bicycle patrol, criminal investigation of all
misdemeanors and felonies, traffic law enforcement, traffic
and prescribed standards, and has long been recognized as
a means of maintaining the highest standards of profession-
alism.

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

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

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

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

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

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
Admirion 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 in the bases of these factors against persons with disability. 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.”

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/junior colleges may obtain the SUS Application Form in school guidance offices. The USF 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. The online undergraduate admissions application may be found at https://apply.embarq.com/ugrad/southflorida/43/. The University strongly encourages all applicants to apply online.

When to Apply
Applications for admission are accepted as early as 12 months before the requested entry term. Applications for admission and the 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 programs in this catalog), whichever is earlier. The priority date is normally about 12 months from the originally requested entry term. The priority date is normally about 4 months before the originally requested entry term. The priority date is normally about 4 months before the originally requested entry term. The priority date is normally about 4 months before the originally requested entry term. 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 admission requirements in effect for the new term requested. Entry for some programs is limited to specified terms.

General Admission Policies

Transcripts and other admission documents
All official transcripts, test scores, and any other required credentials must be received directly from the issuing agencies. It is the applicant's responsibility to initiate the request for credentials to the issuing agencies and to assure their receipt by the USF Office of Admissions in Tampa. (See “Minimum Requirements for Admission” below for information concerning required documentation.)

All credentials and documents submitted become the property of USF. The original 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, that substantiate eligibility for admission before a second registration will be permitted.

Applicants who do not meet standard Department of Education 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 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 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 that 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 that 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 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 Orientation 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, meet with an academic advisor, choose courses, and register for classes. New students receive Orientation information after admission.

**Required Proof of Immunity**

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

**Quota/Limited Access Programs**

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

USF, with approval of the Board of Education 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 Education; all degree programs in the College of Engineering; all degree programs in the College of Nursing. The admission requirements for these degree programs may be found with other program information in appropriate sections of this catalog.

**Minimum Requirements for Admission**

**Freshman Applicants**

To be considered for admission, freshman applicants must submit an SUS or USF Application for Admission, a non-refundable application fee, 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 Assessment 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 who have at least a 3.50 (B+) average as recalculated by USF using all attempted academic
4. Applicants submitting a GED diploma must have 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 of students in an approved home schooling program).

5. In the absence of the above, the University will also consider appropriate alternative evidence of academic achievement, ability, motivation and responsibility that indicates potential for successful academic work at USF.

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

7. 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.

8. If a student has not earned the following scores on the SAT I or the EACT, college preparatory work will be required during the first term of enrollment at USF:
   - SATI - 440 verbal, 440 mathematics
   - 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 should 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 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 ACT with no less than or a score of 17 on ACT English and ACT 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 Honors College Director or Academic Advisor.

Home schooled students must submit an official copy of their Letter of Intent with the student’s home school district; Private school students must submit proof that their school is a Southern Association of Colleges and Schools (SACS) accredited school.

Undergraduate Transfer Applicants

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

USF accepts transfer credits only from institutions that are accredited by one of the regional accrediting agencies/commissions recognized by USF at the time the credits are earned (See Evaluation of Transfer Credit). Courses approved for transfer by the Statewide Course Numbering System (SCNS) from non-regionally accredited institutions may be considered for 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, 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. Department of Education rules and
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, an official transcript from each previous college attended, and a TOEFL score if applicable.

Any transfer student with 90 or more semester hours who designates a desire for admission to a limited access undergraduate program must meet the overall admission GPA criteria of that program in order to be admitted to the University. Applicants with Associate of Arts (A.A.) degrees from Florida public institutions will be admitted as juniors into the University within curricular, space and fiscal limitations. A.A. degree holders seeking admission to a 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 an A.A. degree from a Florida public institution or who have attended another college after receipt of the A.A. must meet the minimum requirements listed below to be admitted in good standing:

1. Be in good standing and eligible to return to the last regionally accredited institution attended as a degree-seeking student;
2. Have an overall “C” average as calculated by USF (2.0 on a 4.0 scale) in all college-level courses acceptable for transfer credit to USF. (In calculation of the GPA, incomplete grades are computed as failures and course “repeats” are not forgiven when the courses are repeated at different institutions.);
3. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at a previous college or university (as required by Florida Statute 240.233). Students who entered a Florida public community/junior college prior to August 1, 1989 and maintain continuous enrollment until the time of their USF entry as degree-seeking students may be admitted without the required foreign language study;
4. Meet the minimum grade point average required by the program if entering a quota/limited access program and transferring 90 or more semester hours;
5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 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.

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

High school graduates planning to start their college education at a Florida community college should confer with the community college counselor and ask that their academic program be planned with the assistance of the USF Undergraduate Catalog (USF’s Community College Counseling Manual has been incorporated into this catalog) that 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 articulation rights. Among these guarantees, the following are central to the transfer process:

1. A.A. graduates will be granted admission to a university within the SUS, but not necessarily to the university or program of choice.
2. A.A. graduates will have the same opportunity to enroll in a university limited access program as the native university student.
3. Upon transferring to a state university, A.A. graduates will be awarded at least 60 credit hours towards the baccalaureate degree, exclusive of occupational courses and basic required physical education courses.
4. Credits that are part of the A.A. degree earned through articulated acceleration mechanisms, such as dual enrollment, International Baccalaureate, early admission, advanced placement and credit by exam, will be transferable to the state university.
5. As participants in the Statewide Course Numbering System, receiving institutions must accept all courses taken at USF.
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 credits transferred to the University. The college of the student’s major will assign equivalent courses in determining which courses are applicable toward a specific degree at the University. In some instances, exact course equivalents will also be determined by other colleges which offer the same or similar courses as part of their programs of study. Transfer students should be prepared with personal copies of their transcripts of all past course work to discuss advisement and placement with the appropriate academic advisor and should contact the college of their major soon after registration so that an official evaluation may be completed.

2. USF will accept credits only from those institutions accredited by one of the regional accrediting agencies/commissions* at the time the credits are earned. (See * below for agencies recognized by USF.) Credits earned at an institution that is currently in `candidate` status will not be considered for transfer credit until such time as the accrediting agency has approved the institution. Courses approved for transfer by the Statewide Course Numbering System (SCNS) from non-regionally accredited institutions may be considered for transfer credit.

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

4. USF does not award transfer credit from institutions that it determines to be occupational or vocational in nature.

5. Associate of Arts (A.A.) degree holders from Florida public institutions 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 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.

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

* Accrediting Agencies/Commissions: New England Association of Schools and Colleges, Commission on Institutions of Higher Learning; Middle States Association of Colleges and Schools; Commission on Higher Education; North Central Association of Colleges and Schools; Northwest Association of Schools and Colleges; Southern Association of Colleges and Schools; Commission on Colleges; Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Accrediting Commission for Junior Colleges.

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 payable in U.S. dollars, a TOEFL score if applicable, a Statement of Financial Responsibility, undergraduate or graduate admissions test scores as specified for appropriate applicant category, transcripts showing subjects and grades from the first year of secondary work to the time of application, and a Visa Clearance Form (if currently in the U.S.). Transcripts in a language other than English must be accompanied by a certified English translation.

International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student. Information about recommended and approved independent evaluators is available from the Office of Admissions. An international applicant (non-resident alien) must meet all admission requirements for the appropriate applicant category (freshman, undergraduate transfer, graduate). Other minimum requirements are as follows:

1. An international applicant whose native language is not English must present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 173 and 210 (computer-based test) or 500 and 547 (paper-based test) may be considered for admission with the condition that they must take a specified sequence of English courses.

2. International applicants must be in good standing at the last institution attended.
3. International applicants seeking admission to limited access undergraduate degree programs must also meet all requirements specified by the program.

**Transient Applicants**

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

**Honors College**

**Tampa and St. Petersburg Campuses**

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

Potential Honors College Four Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request admission. Students typically have 3.7 high school GPAs and 1270 SAT I or 29 EACT scores. Many scholarships are available for Honors students.

Potential Two Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request admission. Students typically have 3.50 college GPAs and 1200 SAT I or 27 EACT scores. Many scholarships are available for Honors students.

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

Admission to the Honors College is determined by the University Honors Committee and the Dean 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 College 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 Dean of Honors.

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

**Learning Communities**

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

Several distinct Learning Communities are available each year, focusing on different themes, with one community reserved for students who wish to live on campus in the same residence hall. Selection of students for the Learning Communities is based on space availability at the time of application, but generally the program is open to all first-year students who are qualified to begin ENC 1101 (minimum SAT Verbal 440 or EACT English 17). Students who wish to apply for the Learning Communities should be flexible and open to non-traditional instructional methods. Interested students may phone Kimberly Williams (813) 974-6968 or email williams@chuma1.cas.usf.edu, or visit our Web site at http://www.usf.edu/~lc/.

**Other General Information**

**Evening Courses**

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

**Opportunities for Accelerated Progress Toward Undergraduate Degrees**

USF provides several options by which students may accelerate their progress toward completing the baccalaureate degree. These options recognize knowledge which has been acquired prior to or during attendance at USF and provide the opportunity to earn University credit. Options which may be used include the following:

1. Recognition of satisfactory performance on tests offered through the College Level Examination Program (see CLEP).
2. Recognition of satisfactory performance on tests offered through Advanced Placement Programs of the College 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. Educational Outreach courses by television. Credit 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.
Non-Degree Seeking Student

Non-degree seeking student enrollment is on a space-available basis and has been established for those individuals who, while not desirous of earning a degree, would like to enroll in all levels of university courses. Teachers needing to take courses for certification purposes, high school students (with the permission of their respective guidance counselor), individuals desirous 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 and Achievement/Center for Academic Advising to return. Potential non-degree seeking students should also refer to the section of the catalog of the college(s) offering the course(s) of interest to them to determine whether any special college requirements exist which must be met prior to enrolling.

NOTE: Prior to registration for classes which meet on campus, all students less than 40 years of age must submit acceptable proof of immunity to rubella 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.

NOTE:

- 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 (FAO 274, 4202 E. Fowler Avenue, Tampa, FL 33620) for complete information and student qualifications.

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

Readmission (Former Students Returning)

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

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

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

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

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

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

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

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

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

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

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

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

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

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 stamped, on or before the fifth day of the term. Checks are payable to USF.

To avoid a $100.00 late payment fee, all tuition fees must be paid or postmarked by the U.S. Post Office, not office metered, by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal mail. A student whose registration has been cancelled may request registration reinstatement through the fourth week of class for the academic term. Upon approval for reinstatement, all fees and other debts owed to the University must be paid in full by cash, money order, or cashier’s check before reinstatement will be affected.

a. Fall 2002 Tuition Fee Structure

Tuition Fees are estimated only/subject to change. Tuition Fees are assessed by course level, not student classification.

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<th>Campus/Course Level</th>
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<th>Non-Resident*</th>
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</table>

*See “Resident Status,” above

FINANCIAL INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG
Cancellation for Non-Payment of Fees

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

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

6. Intern Certificate of Participation
Individuals who have supervised interns may register for courses during a term by presenting their intern Certificate of Participation. Prior to July 1, 1997, the Intern Participation Certificate stated that all fees were waived with the exception of the Bond and Trust Fee which was $4.76 per credit hour. Certificates were valid for five years from the date of issuance.

The new Intern Participation Certificate effective July 1, 1997 states that certificate holders are entitled to a waiver of only matriculation fees for a maximum of six (6) credit hours instruction during a single term. Certificates are valid for three years from the date of issuance. Fees must be paid or postmarked by the U.S. Post Office (not office meter marked) by the fifth day of the term. The University cannot be responsible for lost or misdirected U.S. Postal mail.

7. Staff Employee Waivers
The University has developed a new program to provide a successor to the former tuition waiver benefit. Please check with Human Resources regarding this benefit.

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

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

- 1091.25 Seminar
- 4,419.15 Independent Study

10. Mailed Payments
To avoid cancellation of registration or a $100.00 Late Payment Fee, all fee payments must be postmarked, by the post office not office metered, 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 $100.00 Late Payment Fee and a $25.00 administrative charge will be assessed on any registration check returned unpaid to the University.

12. 2002/2003 Room Rent for Double & Single Occupancy*
Room rent is paid in accordance with information in the Student Housing Contract.

- Double Occupancy: Fall/Spring
  - Kosove: $3,214
  - Andros and Castor: $2,684
  - Beta: $2,576
  - Village: $2,914

- Single Occupancy: Fall/Spring
  - Kosove: $4,248
  - Andros and Castor: $3,880
  - Beta: $3,728
  - Village: $4,265
  - Holly: $4,248

- Magnolia Apartments
  - Single: 9 month contract $560/mo.
  - 12 month contract $550/mo.
  - Family: 9 month contract $810/mo.
  - 12 month contract $800/mo.

13. Meal Plans 2002-2003*
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.)
Refund of Tuition/Fees Payment
Release of Tuition/Fees Liability

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

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/finaid/ and via OASIS: http://usfweb.admin.usf.edu/

Complete and submit the FAFSA online at http://www.fafsa.ed.gov. Be sure to list the University of South Florida, school code #001537, as a school to receive your information. Since many programs are funded on a limited basis, it is to your advantage to apply early. Priority application dates and deadlines for 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.

The Office of Financial Aid communicates important information regarding your aid via e-mail throughout the year. Therefore, it is extremely important that you ensure that your current e-mail address is in OASIS.

A tuition deferment prevents cancellation of registration for non-payment of fees, and temporarily prevents assessment of the late payment fee. The housing deferment temporarily prevents cancellation of your housing contract. Since financial aid is disbursed after drop/add, check OASIS to see if you have a tuition and housing deferments prior to the start of each term (http://usfonline.admin.usf.edu). If you have a tuition deferment, avoid paying a late payment fee by paying your tuition as soon as financial aid is available, or by the deferred payment deadline, whichever comes first. Most financial aid is disbursed through your student account and is applied to tuition and other charges posted to the account before a check is issued for any remaining balance. Since tuition deferment prevents cancellation for non-payment, you must officially withdraw from all classes by the refund deadline to be relieved of liability to pay and to ensure that tuition is not later paid by disbursed financial aid. For further information regarding deferments go to http://usfweb.usf.edu/finaid/ at the bottom of the page, or click on “Deferments & Bookstore Advance.”

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. Because we are required by federal regulations to verify the last date of attendance in classes, at the end of each semester, the Office of Financial Aid mails letters to financial aid recipients who appear to have unofficially withdrawn. (Your semester grades are all F, U, or I.) Your last date of attendance may be considered the last date you submitted an assignment or took an exam, or your last date of actual attendance in classes. This letter expires a responsive within 14 days. If you are determined you did not attend beyond the 50% point of the term. This may require you to repay a portion of federal financial aid received.
Each campus has a financial representative. Tampa (813) 974-4700, Lakeland (863) 667-7026, Sarasota (941) 359-4330; 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 date published each year in the Financial Aid Handbook.
4. The individual colleges of the University (the College of Business, the College of Education, etc.) administer some scholarships directly through the Dean’s Office in each college. New students and transfer students are advised to contact the USF Admissions Office or the Office of Adult and Transfer Student Services first, and then the individual colleges regarding scholarship opportunities.
5. For non-Florida residents, a limited number of out-of-state tuition waivers are available based on academic performance. New students and continuing students are eligible to apply for these awards. New students will be considered for the waiver based on their performance in high school or transfer institution. Continuing USF students will be considered for the waiver based on cumulative academic performance at USF. For information contact the Scholarship Coordinator in the Office of Admissions.
First-time-in-college students with general inquiries regarding scholarships should contact the Scholarship Coordinator in the Office of Admissions.
Transfer students with general inquiries regarding scholarships should contact the Office of Adult and Transfer Student Services.
Currently enrolled students should contact the individual college in which they are registered or access information through the Office of Financial Aid Web page.

Parking and Transportation

Do you have to have a parking permit?

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

Do Visitors need a parking permit?

Yes. Effective August 1, 1999 a daily parking fee of $2.00 for a daily permit was implemented. The fee is applicable to visitors and event attendees that park in the following visitor lots: Crescent Hill Garage, lots 3C, 3D, 6, 18, 19, 23, 35, 38C, 38T, or, visitors can choose metered parking during their visit. Visitors and event attendees may continue to park free (with a courtesy permit for Park-N-Ride lots issued by Parking and Transportation Services) in lots 43, 16A, and 16B and take advantage of the Shuttle System to travel to their destination on campus (Faculty, staff, students and vendors will not be eligible for these permits). Free courtesy permits for Park –N-Ride lots are available up to 3 times a month.

How do you obtain a permit?

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

Is there a bus on campus?

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

How can I get help when I have a problem with a vehicle?

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 the local USF Veterans Services office) or log on to USF Veterans Services web site: http://usfweb.usf.edu/vetserv 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 number of registered hours, change of...
majors, or adding a double major and/or minor 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, co-curricular, and extracurricular programs of the University are designed to achieve this end and are presented to offer USF students a wide variety of beliefs, opinions and ideas in an atmosphere of openness where all views may be aired. The programs and activities developed and implemented by the Student Affairs staff at USF are intended to improve the quality of life at the University and to meet the University’s goal of total student development.

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

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs is composed of the areas of Enrollment Planning and Management, Academic Support and Achievement, and Student Life and Wellness. Student Affairs staff provide prospective and new students assistance in obtaining information about the University before they arrive on campus. The staff also offers services to the students to help them cope more effectively with the many facets of college life that can affect students’ academic work: financial aid, health services, individual and/or group counseling, alcohol/drug education, career planning, placement, procedures for redressing grievances, standards for students’ conduct, due process in the event of disciplinary action, and advice and/or assistance in time of difficulty. A variety of programs and services are offered by the Student Affairs staff to provide students opportunities to become involved in college life outside the classroom: orientation for new students, advisors in 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 staff of the Division of Student Affairs at the University is committed to creating a student-focused learning community distinguished by shared purpose, collaboration, open and timely communication, mutual respect, trust and inclusiveness.

The Division will provide leadership for a diverse University community, inspired by the pursuit of academic excellence through collaborative learning, and foster a caring environment that encourages the personal and professional development of students and of those who serve them. In partnership with University faculty and staff and the community, we will reach beyond our 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.

Student Affairs Diversity Statement

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

Academic Support and Achievement

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

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

Center for Academic Advising

Location/phone: SVC 2011, (813) 974-2645
Web address: http://www.sa.usf.edu/advising/ (813) 974-5651

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

The following services are provided to these undergraduate students: advisement regarding academic policies and programs, assistance in the selection of a major, administration of special programs for at risk or underprepared student populations, and special advisement for under-represented students.

The staff prepares students for entrance into all limited access majors (e.g., Education, Engineering, Business, Nursing, and Mass Communications), bases evaluations and certifies all students seeking Associate of Arts certificates.

Student Disability Services

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

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

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

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

If the documentation is adequate, the student will be approved for accommodations. The student will be given guidelines for accessing services and a memorandum for each professor for that semester. A memorandum of accommodation will be prepared for each professor at the beginning of each semester thereafter with or without adjustments as determined when the student meets with a coordinator in SDS. The student is responsible for presenting these memoranda to the faculty each semester in a timely manner. No accommodation is intended to alter essential elements of any academic course and faculty are encouraged to consult with SDS about accommodations.

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

McNair Scholars Program
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/McNair

The Ronald E. McNair Post-Baccalaureate Scholars Program is designed to prepare economically disadvantaged and traditionally underrepresented seniors and juniors for doctoral programs. Special emphasis is placed on the recruitment of students with majors in math, engineering, science, public health, communications, humanities, medical sciences and English. However, other disciplines such as education, social sciences and fine arts are considered. This program encourages graduate studies by providing opportunities for academically talented junior and senior level undergraduate students to define their career goals, engage in research, develop their personal and professional skills and participate in student/faculty mentor relationships, critical to their success at the doctoral level. Graduate school application assistance is also provided, as well as GRE, GMAT, and MCAT preparation. McNair Scholars are awarded scholarship stipends when they participate in the Summer Research Institute and during their research internship in their senior year. The Program also provides students opportunities to attend and present academic papers at national and regional conferences. The criteria for this very competitive scholars program are as follows: 3.0 minimum cumulative GPA, declared major, a minimum of 45 earned credit hours, current enrollment at USF at the junior or senior level, United States citizenship/resident alien status and a completed Ronald McNair application with faculty recommendations.

George Jenkins Scholars
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/jenkins/

The Jenkins Scholars Program is one of the highest funded academic scholarships at USF. The George Jenkins Scholarships are funded through the George Jenkins Foundation, which was founded by the late George Jenkins, the initial founder and owner of Publix Supermarkets. A select group of Jenkins Scholars are elected annually from a statewide competition of high school seniors who are admitted to USF as freshmen. All of these scholars are economically disadvantaged, but are usually in the top five percent of their high school senior class.

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

Parents Association
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/parents/

The Parents Association is designed to provide opportunities for 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, Admissions, Orientation and the University Development Office. The Association also sponsors the Gold Council. The Gold Council is a student organization that consist of campus student leaders who plan and coordinate special projects each year to benefit USF students and/or campus life.

Project Thrust
Location/phone: SVC 2043, (813) 974-4227
Web address: http://www.sa.usf.edu/McNair

Project Thrust is a university-wide retention program designed to assist USF underrepresented undergraduates achieve their baccalaureate education. Assigned to four of the undergraduate colleges, Project Thrust advisors 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
Web address: http://www.sa.usf.edu/Pep/

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

Student Academic Support System (SASS)
Location/phone: SVC 2008, (813) 974-4505
Web address: http://www.sa.usf.edu/sass/

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

Student Support Services Program
Location/phone: SVC 2042, (813) 974-4301
Web address: http://www.sa.usf.edu/sss/

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

Students who participate receive personal, academic, career, financial, and tutorial assistance. Special instruction is provided in the areas of English composition, reading, and study skills.

SSS provides a summer program to ease the transition from high school to college, establish a strong academic foundation during the summer semester, and expose students to university
resources and facilities. Students receive a comprehensive summer orientation, individualized academic advising, course credit toward graduation and college survival skills.

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

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

Admissions
Locations/Phones:
Tampa Campus: SVC 1036, (813) 974-3350
St. Petersburg Campus: BAY 102, (727) 553-1142
Sarasota Campus: PMC 101, (941) 359-4330
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.
Web address: http://www.atss.usf.edu

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 toward their educational goals through a scholarship program, organization for transfers and adult learning, and activities to help transfer students and adult learners make a successful transition and feel a part of USF. Staff members develop 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, 8-5, Mon-Fri.
Web address: http://www.career.usf.edu

The Career Center assists students in making the transition from academic life to professional employment. A staff of experienced career professionals is available to help students plan, refine and implement their career goals and plan their job search. The Career Center also provides information on employment opportunities and creates venues for students to network and interview with local, state and national 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
Cooperative Education
Cooperative Education ("Co-op") is a paid training program which integrates practical work experience with the student's academic curriculum. Students may choose an Alternating or Parallel work plan. The Alternating plan permits students to alternate a full-time semester of study with a full-time semester of work. The Parallel Plan permits students to take classes and work during the same semester. Participation requires a minimum GPA of 2.5 and completion of 45 credit hours prior to the first co-op training.

Internships
The Career Center serves as a clearinghouse for internships from employers and USF academic departments. Internships typically require a one-semester commitment, and may continue until graduation if acceptable to both employer and student. Internships may be paid or unpaid and have the option for credit. Paid, non-credit internships may begin anytime during the semester, while academic internships for credit are linked to the academic calendar. The criteria for academic internships is determined by the academic department.

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 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 hidden job market.

On-call Career Advising
Questions about careers, job search or Career Center services can be answered in these 15-minute, walk-in sessions. On-call Advising is available Monday-Thursday (8:30-4:30) during fall and spring semester.

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 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 signing a resume release form, entering pertinent data and uploading a resume into the Career Center's Electronic Resume Database.

Candidate Resume Referral
Throughout the year, employers contact the Career Center to request resumes of students in the Center's Electronic Resume database. Approximately 13,000 candidate resumes are electronically transferred to employers each year.

Career Networking Fairs
Each semester, employers participate in various Career Fairs on campus. These events provide a common ground for the student and employer to network and discuss employment opportunities.
Web-based Job Listings
Each year thousands of Part-time jobs, Internships, Cooperative Education and Full-time Professional vacancies are advertised on the Career Center’s web site: www.career.usf.edu.

Career & Employer Reference Library
The Career & Employer Reference Library contains occupational information; resume-writing, interview and job search books; employer directories and salary information resources.

Career/Job Search Computer Lab
Computers with Internet access for conducting a cyberspace job search, scheduling on-campus interviews and researching employers are available in the Career Center reference library.

Financial Aid

Location/phone:
Toll Free: 1-877-USF-BULL
Tampa Campus: SVC 1102, (813) 974-4700
St. Petersburg Campus: Davis Bldg., Room 114, (727) 553-1128
Sarasota Campus: PMC 1-1, (941) 359-4330
Lakeland Campus: LLC 2101, (863) 667-7028

Web Addresses:
Financial Aid Web: http://usfweb.usf.edu/finalid/OASIS Web: http://usfonline.admin.usf.edu
FAFSA Web: http://www.fafsa.ed.gov

Email: http://www.usf.edu/askrocky/

USF makes every effort to ensure that all qualified students have access to an education. Many student financial aid programs are administered or coordinated through the USF Office of Financial Aid.

USF’s Financial Aid Web site provides step-by-step guidance through the financial aid application process. USF’s Online Access Student Information System (OASIS Web) allows students to monitor the status of their financial aid from application to disbursement of funds.

All students wishing to receive financial aid are encouraged to start the financial aid process as early as possible. The first step, each year, is to complete and submit the Free Application for Student Financial Aid (FAFSA) online. For more detailed guidance and information, log onto the Financial Aid Web site, stop by the Financial Aid office and/or call and request a 2002-2003 Financial Aid @ USF Handbook.

Orientation

Location/phone: SVC 1138, (813) 974-3060

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

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

Office of the Registrar

Locations/phones:
Tampa Campus: SVC 1034, (813) 974-2000
St. Petersburg Campus: (727) 553-1142
Sarasota Campus: (941) 359-4641
Lakeland Campus: (863) 667-7026

Web address: http://usfweb.usf.edu/enroll regist/regist.htm

The Registrar’s Office provides a wealth of student, academic, and administrative services. The Registrar’s Office is responsible for maintaining each student’s academic record from the time of admission to degree. Therefore, virtually every USF student is a consumer of services provided by the Registrar’s Office.

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

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

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

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

Student Life and Wellness

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

Student Relations

Location/phone: Argos 234, (813) 974-9089

Student Relations is a student-oriented office that serves the USF community in an ombudsman’s role for student services. Student Relations assists with university related issues in which resolution is needed, peer mediation, the restate-ment process for non-payment of fees, advocacy for students experiencing crisis, etc. This office strives to maintain a high level of respect, trustworthiness, and responsiveness to students.

Counseling Center for Human Development

Location/phone: SVC 2124, (813) 974-2831
Web address: http://usfweb.usf.edu/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 resources necessary for academic success. The program offers three credit-bearing courses—Advanced Reading (3 credits), Learning Strategies within Academic Disciplines (2 credits), and Academic Strategies (1 credit). Workshops are offered each semester for study skills and for the individual sections of the CLAST. The learning lab offers software and print materials for general reeding, and academic improvement preparation materials for graduate school exams such as the GRE, MCAT, LSAT and GMAT. Additionally, diagnostic services and individual instruction are available to assist individuals in reading comprehension and study skills.

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

The Outreach Program aims at understanding the needs of the University community and developing programs to meet those needs. Structured 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 Addiction and Substance Abuse (CASA) and Vocational Rehabilitation Services. CASA focuses on research, prevention, and treatment with regard to alcohol and other drug use/abuse. Vocational Rehabilitation services are available for qualifying students and include vocational evaluation, educational and personal counseling and guidance, coordination 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 serve as information and referral resources. Veterans Services was established to act as a liaison, whenever possible, between the VA students and the VA or various USF offices in order to help resolve problems. Veterans Services (the point when students enter the university) with the assistance of the Insurance Committee has contracted with 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

2127, call 974-2291, or visit our web page (http://usfweb.usf.edu/vetserv/).

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) 974-8391.
Address: 4202 East Fowler Avenue, SHS 100 Tampa FL 33620-6750
Internet: www.shsweb.shs.usf.edu
Office Hours: Monday through Friday 8:30 a.m. to 5:00 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 (north of campus) and the Doctor's walk-in Clinic (977-2777) on Bruce B. Downs Boulevard (west of campus).

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

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

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

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

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

Health Insurance: For Student Health Services to provide optimal service to students, it is important that they have adequate health insurance. The Student Insurance Office (SIO) with the assistance of the Insurance Committee has contracted with 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
A combined measles-mumps-rubella (MMR) vaccine is recommended that both doses of measles vaccine be given as the second dose no less than twenty-eight (28) days later. It is important to note that vaccine should be given at the time of entry and the valid medical contraindications, or for religious reasons. Immunization was given at least 13 months after the month of birth. Exceptions to this policy may be granted in the event of immunization being given at least 13 months after the month of birth. Exceptions to this policy may be granted in the event of medical contraindications or for religious reasons.

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
   Immunization Fax: (813) 974-5888
   Telephone: (813) 974-4056

2) SUS Immunization Policy

   As a prerequisite to matriculation or registration, the State University System of Florida requires all students born after 1956 to present documented proof of immunity to RUBEOLA (measles) and RUBELLA (German measles). The 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 1968 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 or her stationery, that specifies the date seen, and states that the person has had an illness characterized by a generalized rash lasting three (3) or more days, a fever of 101 degrees Fahrenheit or greater, a cough, and conjunctivitis, and, in the physician’s opinion, is 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 twenty-eight (28) days later. It is recommended that both doses of measles vaccine be given as a combined measles-mumps-rubella (MMR) vaccine. Vaccinations and blood titers are available at student health services.

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

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

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

SUS Health Insurance Requirement for International Students

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

Residence Services

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

The Residence Hall program is an integral part of the total educational experience offered to SUS students and is staffed by caring, informed professionals, graduate students, and resident assistants. The Office of Residence Services strives to provide students with intellectual and social experiences in a conveniently-located residence hall community and to promote a safe, secure, and healthy living-learning environment where individual differences are appreciated and respected. Whether considering the convenient location, the availability of resources and amenities, or the student-oriented personnel associated with the residence hall program at USF, campus living has a lot to offer. Every enrolled degree-seeking student is eligible to live on-campus. Housing information, including a student housing contract, is sent to all accepted students. Students are encouraged to submit their student housing contract immediately upon receipt to insure that housing preferences may be accommodated. Florida Prepaid College Program participants with a Prepaid Dormitory Contract should note the Prepaid Dormitory Contract number in the space allotted on the Student Housing Contract.

On-Campus Housing Facilities

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

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

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

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

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

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

Magnolia Apartments houses single undergraduate students over the age of 23 or graduate or professional students in 3 or 4 bedroom apartments. Each bedroom is equipped with a bed, desk, chair, dresser and closet. The shared living/dining room and kitchen contains a couch, one chair and two barstools. Students who are married or have dependent children living with them are eligible for the family units, which have 2 bedroom and 2 bathrooms. Each fully carpeted apartment has its own private entry and is furnished with a bed, desk, wardrobe, and bookcase for each resident. The shared living/dining room and kitchen contain a couch, one chair and two barstools. Food service facilities are conveniently located in the Argos and Andros Complexes. Nearby swimming pools as well as basketball, tennis and racquetball courts await students seeking leisure-time recreation. In addition, students have access to Residence Services Computer Labs and the opportunity to become involved in planning activities for their hall by joining Residence Hall organizations such as RHA.

Off-Campus Housing
Location/phone: RAR 234, (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.

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

The Phylis 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 identity for the USF student. It is the place to meet 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 Activities, Homecoming Committee, Greek Life and the Student Organization Advisory Board.

The Marshall Center houses a diversity of programs and services: food services, organizational offices, meeting rooms, Game Room, study lounges, a travel service, and much more. The 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, food court, Centre Gallery, a student directed art exhibition space, and the 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 Express, Pizza Hut Express, Good Stuff, Etc., and Good-to-Go 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 WBUL Student Radio Station, SG Computer Services, the games and arcade area, Sonic Boom CD store, vending machines, SAFE Team/SoberRide Offices and Cybor City. The Game Room area has 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.

The weekly Bull Market is coordinated every Wednesday by the Marshall Center. The Market offers vendors, food and a social atmosphere for students and is physically located on Sessum’s Mall, near Cooper Hall.

Other Marshall Center services include a stamp machine, library bookdrop.
There are currently 19 national fraternities and 11 national sororities on the Tampa campus. These organizations provide a variety of social, educational, service, and recreational programs for their members. Support for these programs is coor-

The many service/resource organizations at USF provide volunteer services and functions for the University of South Florida and the community about international students. The service/resource organizations offer aid and support to further enhance students’ needs and special interests. Service and resource organizations include Ambassadors, Athletes Demanding it Better (ADB), Brothers in Destiny, Circle K Club, Coalition of Leaders Organized to Recruit Students (COLORS), Color Guard, Greek Week Committee, Interfraternity Council, and National Pan-Hellenic Council with the advice of faculty and staff members. Membership is open to any student through a program called Rush. Rush serves as an introduction to Greek life, allowing students to meet members of fraternities and sororities in formal and informal settings. Interfraternity Council Rush is held the first week of school in both the Fall and Spring semesters. Black Pan-Hellenic rush varies among each chapter. Panhellenic holds formal Rush the week prior to Fall Semester. The Greek recognition society is the National Order of Omega.

USF current fraternities and sororities are Alpha Delta Pi Sorority, Alpha Epsilon Pi Fraternity, Alpha Kappa Alpha Sorority, Alpha Omicron Pi Sorority, Alpha Phi Alpha Fraternity, Beta Theta Pi Fraternity, Chi Omega Sorority, Chi Phi Fraternity, Delta Chi Fraternity, Delta Delta Delta, Delta Gamma, Delta Sigma Theta Sorority, Inc., Interfraternity Council (ICF), Kappa Alpha Psi Fraternity, Kappa Delta Sorority, Kappa Sigma Fraternity, Lambda Chi Alpha Fraternity, Lambda Psi Delta Sorority, Lambda Theta Alpha, Latina Sorority, Inc., Lambda Theta Phi, Latin Fraternity, Inc., Panhellenic Council, Phi Beta Sigma Fraternity, Phi Delta Theta, Pi Kappa Alpha fraternity, Sigma Alpha Epsilon Fraternity, Sigma Chi Fraternity, Sigma Delta Tau Sorority, Sigma Gamma Rho Sorority, Sigma Lambda Beta Fraternity, Sigma Lambda Gamma Sorority, Sigma Nu Fraternity, Sigma Phi Epsilon Fraternity

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, Arts and Sciences Honor Society, Beta Alpha Psi, Beta Gamma Sigma (Honor), Chi Epsilon, Council of Honor Societies, Dobro Sivo (Honor), Eta Kappa Nu, Eta Sigma Phi, Gamma Theta Upsilon, Golden Key International Honour Society, Honors Program Student Council, Kappa Delta Pi (Honor), Kappa Tau Alpha (Honor), Mortar Board Honor Society, National Residence Hall Honorary, National Society of Collegiate Scholars (NSCS), Omega Chi Epsilon, Phi Kappa Phi (Honor), Phi Sigma Theta, Phi Theta Kappa, Pi Gamma Mu, Pi Mu Epsilon, Pi Sigma Alpha, Pi Tau Sigma, Psi Chi, Sigma Pi Sigma, Silver Key Honor Society, Tau Beta Pi.

International

International student organizations help meet the needs of international students and to increase the awareness of the University and Pan-Hellenic Council among the student body. International organizations include Asian Students in America (ASIA), Association of Filipino Students, Belizian Association of Friends United (BAFU), Black Student Union (BSU), Caribbean Cultural Exchange (CCE), Club Creole, Cuba Vive, Falun Dafa, Freethinkers, Friends of Internationals, Friends of Sri Lanka Club, Friendship Association of Chinese Students and Scholars (FACSS), Hellenic Society, InterCultural Organization (ICO), Italian Cultural Club (Circolo Culturale Italiano), JPOP, Lambda Zeta Nu, Latin American Student Association (LASA), Pakistan Students Association, Persian and American Cultural Club, Polish-American Students Association, Spanish Club, Students of India Association, Turkish Student Association.

Political

Organizations for political and social change include Campus Greens, Coalition of Progressive Student Organizations, College Democrats, College Republicans, Free the Planet!, NAACP-USF College Chapter, National Organization for the Reform of Marijuana Laws (NORML), Students for the Ethical Treatment of Animals, Young Republicans.

Professional

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

Religious

Currently some of the religious groups are members of the Campus Ministry Association (CMA). The members of CMA include Baptist Campus Ministry, Crosswinds-The USF Wesley Foundation, Episcopal Student Center, and Hilliel Foundation Navigators. In addition to the Campus Ministries, there are diverse student religious organizations on campus. The religious organizations are Bahai’s Club, Baptist Collegiate Ministries, Campus Advent, Campus Ministry of Bible-Based (CMOBB), Catholic Student Union, Chi Alpha Christian Fellowship, Christian Medical Association, Christians in Action (CIA), Christians on Campus, Friends of Israel Gospel Ministry, Impact Christian Fellowship, International Fellowship, Intervarsity Christian Fellowship, Koinonia Covenant Campus Ministry, Latter-day Saint Student Association, Lotus Buddhist Society, Lutheran Student Fellowship, Muslim Students Association (MSA), Navigators, Organization of Hindu Minds, Students for Krishna Consciousness, Unfolding Students Faith, United Pan-African Allied Network, Warriors for Christ, Young Israel Jewish Student Center, Young Life College 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 Ambassadors, Athletes Demanding it Better (ADB), Brothers in Destiny, Circle K Club, Coalition of Leaders Organized to Recruit Students (COLORS), Color Guard, Greek Week Committee, Interfraternity Council, Leadership House Conference Committee, Mexican American Student Association, Project World Health, Random Acts, SISTUHS, Inc., Student Admissions Representatives (STARS), Student Athlete Advisory Committee (SAAC), Student National Medical Association, VOX: Voices for Planned Parenthood: Students for Choice, Yoga for Recovery.

Special Interest

Special-interest organizations cover a wide range of diverse activities. Those of the Tampa campus include American Sign Language Club, Arts Emissaries, Ballroom Dance Club, Bull Charge, Club Infinity, Delta Phi Llama, Drill Team, Ebony Ice Dance Troupe, Engineering Expo, Eternal Legendary Kings (ELK), F-Troop Student Association, Geography Club, Gospel Choir, Indian Classical Music Society (ICMS), Life Science Club, Lil’ Muddy’s Fun Bunch (LMFB), Model United Nations (MUN), National Organization for Women, One Accord Dance Troupe, Pep Club, Photo Club, Physicians for Human Rights, PRIDE Alliance, Ranger Club, Responsible Education and Action for Campus Health (REACH), Scabbard and Blade, Sigma Beta Rho (Interest Fraternity), Sister’s United Muslim Association, Student Dance Production Board, Student Writers’ Ink, Students Organized Against Rape (SOAR), SWEETIE, Tau Kappa Epsilon (Interest Fraternity), University Psychology Association, What’s Your Problem?
Sports and Recreation
Sports and recreational organizations offer students the opportunity to enhance their physical well-being as well as their social lives. The Tampa campus has many organizations dedicated to leisure activities. Sports and recreational organizations include Aikido Club, Badminton Club, Bicycle Club, Campus Crusade for Christ, Capoeira Volta Ao Mundo, Chapel Center, Chito Ryu Karate Club, Christian Student Association, Crew Team, Crosswinds, Floorball Club, Hillel Jewish Student Union, Improvisational Acting Society, Karate Club, Kyokushin Karate Club, Lacrosse Men’s Club, Lacrosse Women’s Club, Pool and Billiards Club, Racquetball Club, Rollerhockey, Rugby Football Club, Sailing and Windsurfing Club, Scuba Club, Surf Club, Swing Dance Society at USF, Table Tennis Club, Taekwondo Do Club, Ultimate Frisbee Club, Wakeboard Club, Water Polo Club, Wushu/Kung-Fu Club.

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, intramurals, fitness/noncredit instruction, and sports clubs. The informal recreation division administers all recreational facilities. The division assists groups in reservations and ensures availability of recreational facilities for informal, drop-in use. Facilities include indoor and outdoor pools, gymnasiums, weight room/activity rooms, tennis courts, racquetball courts, intramural fields, and jogging trail.

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

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

Judicial Procedures
Student judicial procedures are followed when a student fails to exercise his/her responsibility in an acceptable manner or commits an offense as outlined in the student handbook. The University disciplinary procedures afford students the opportunity to participate in discussions of the matter and to present information in one’s own behalf, to seek counsel in one’s own best interest, and the right of appeal. Students are entitled to participation 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 Office of Student Relations, as soon as possible.

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

OTHER STUDENT SERVICES

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

The school became a charter member of 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) 974-5413, Toll-Free: (800) 873-6114
Usual Hours: Monday through Thursday from 8:00 a.m. - 7:00 p.m., Friday from 8:00 a.m. - 5:00 p.m. and Saturday from 10:00 a.m. - 4:00 p.m. Extended hours and additional registers open at the beginning of each term.
Web address: http://www.bookstore.usf.edu

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

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

Health Sciences Bookstore
Location/Phone: Medical Center (MDC 1021), (813) 974-4984
Usual Hours: Monday through Friday from 8:00 a.m. to 5:00 p.m.
Features medical textbooks as well as supplies, greeting cards, clothing, candy and other items.

St. Petersburg Bookstore
Location/Phone: Coquina Hall (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 Café. Campus-wide: (800) 775-MEAL (6325). In Tampa call 974-4385
Web address: http://www.auxsvc.usf.edu/

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

We offer 15 plans for resident students. New freshmen resident students and other students living on campus for the first time have eight plans to choose from. Returning residents can choose from this list of eight or select from an additional five plans.

Freshmen and Other New Resident Meal Plans: New freshman planning to live on campus or a transfer or returning resident students 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 additional meal plan choices: 8 Meal Plan with $350 flex bucks, 8 Meal Plan with $250 flex bucks, 8 Meal Plan with $100 flex bucks, 100 Block Plan with $100 flex bucks, and $915, $795 and $550 Full Declining Balance Program.

Resident Dining
Crossroads Café (located in the Argos Center) - Crossroads offers breakfast, lunch and dinner seven days a week on an "all-you-can-eat" basis.
Café Good Eats (Andros Center) - This restaurant serves dinner and late dining Monday - Thursday.
The Corner Grocery (Andros Center) - Serving the resident student's needs Monday - Thursday.

Other Campus Dining Locations
Tampa Room (Marshall Center) - An exciting food court featuring Pizza Hut, International Cuisine, Chick-Fil-A, and Sub-Connection.
Good Stuff, etc. (Marshall Center) - USF's own gourmet coffee shop. Featuring espresso based coffee drinks, Freshen's frozen yogurt and smoothies, Manhattan bagels, French pastries and much, much more.
The Campus View (Marshall Center) - Located on the fourth floor of the Phyllis P. Marshall Center, offers buffet style dining with a spectacular view.
Cooper Café (Cooper Hall) - Featuring the Bay area's largest Subway sandwich shop.
Firehouse Grill (College of Business) - Located conveniently in the College of Business Administration, serving great burgers, chicken sandwiches, fries and a whole lot more.
The Gourmet Bean (USF Library) - Fresh brewed gourmet coffee, sandwiches, salads, bagels, snacks and more.
Fast Break I (College of Engineering) - Pizza Hut pizza, sandwiches, salads, soup, bagels, snacks and more.
Fast Break II (College of Health Sciences) - Same as Fast Break I but located in the Health Sciences Complex.
Smoothie King (USF Recreation Center) - Looking for a healthy snack or beverage? Stop by before or after your workout.

USF I.D. Card
The USFCard is the official I.D. card of the University of South Florida. University policies require that all student, faculty and staff members carry the USFCard while on campus. Students may be denied services if they do not have one. The USFCard may also be used to make purchases from on-campus copiers, snack and vending machines equipped with card readers. Value can be added to the vent stripe at Cash-to-card machines located around campus and at most coin/card copiers in the Library. This eliminates the need to carry coins and even saves money. If a student has an account with the USF Federal Credit Union, the USFCard can be used as an ATM card. The USFCard can also serve as a campus-MCI calling card. For additional information: http://www.auxsvc.usf.edu/
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 Africa and the Diaspora, the Center for Latin American and Caribbean Studies, the Office of International Student and Scholar Services, the Office of Study Abroad and Exchanges, and the USF Linkage Institutes. It is also closely allied with the English Language Institute. The Center leads the development of academic program offerings (area studies) and services, international exchanges, partnerships with business, industry, and government both in the U.S. and overseas, and to establish the venues for international activities, and enhance faculty, student, and staff training and development.

Center for Africa and the Diaspora
Location/Phone: SVC 1087, (813) 974-4727
Email: ibl@ibl.usf.edu
Web Site: http://www.usf.edu/ibl

The Center for Africa and the Diaspora is a joint venture between the Institute on Black Life and the International Affairs Center. The Center works with IBL and IAC to provide leadership and advocacy for research, program development and community service initiatives that examine and illuminate the contributions of Africans and other peoples of the African Diaspora as well as problems and issues that affect their lives. Through educational, cultural and economic exchanges, symposia, and other programs, USF students, faculty, and scholars and the local community are linked in tangible and productive ways to the world African community on issues of global relevance. The Center fosters interdisciplinary partnerships and collaborative arrangements with a wide range of institutions and organizations related to Africa and the African Diaspora in Tampa Bay and around the world.

Center for Latin American and Caribbean Studies
Location/Phone: CPR 474, (813)974-3547
Email: lacs@iac.usf.edu
Web Site: http://web.usf.edu/~lacs

The mission of the Latin American & Caribbean Studies (LACS) program, as part of the University of South Florida’s strategic plan for internationalization, is to enhance, coordinate and promote teaching, research, and service activities related to Latin American, Caribbean, and U.S. Latino Studies. With the College of Arts and Sciences, the office offers a Certificate in Latin American and Caribbean Studies for undergraduate students who want to enhance their major degree program, and a Master of Arts (M.A.) Degree in Latin American, Caribbean and Latino Studies.

The program offers research grants to USF faculty and graduate students to encourage and support research, conferences, and/or course development in all fields related to Latin American, Caribbean, and Latino studies.

The office develops overseas study programs and grants Passport Scholarships to students for study abroad in the region. The program fosters greater knowledge of Latin America, Caribbean, and Latino issues through several partnerships with community organizations and university departments to sponsor lectures and cultural programs open to the public throughout the year. The Office coordinates the Latin American and Caribbean Scholar Program to recruit international students from Latin America and the Caribbean to USF. Students who receive scholarships from state or federal sources may be coded as in-state residents for tuition purposes. Academic exchanges with Latin American and Caribbean educational institutions are coordinated by the Director of LACS. These exchanges foster the recruitment of international students and visiting scholars as well as develop joint research projects of global interest. The office works with several departments with more than 40 teaching faculty who are experts in Latin American, Caribbean and Latino studies.

The University of South Florida welcomes qualified students from all over the world to our campus community. The resulting international educational exchange leads to the enrichment of our common life, the intellectual development of our students, the research endeavors of the University, and mutual understanding between the peoples of the world represented at USF. The ensuing exchange of life stories exposes all USF students, faculty, and staff to the likenesses and differences which exist between cultures, world views, experiences, and ideas.

ISSS is the main administrative and advising office for approximately 2,500 foreign students and 200 visiting faculty members and researchers at USF. ISSS has many administrative duties, including the issuance and maintenance of all visa documentation for foreign nationals at the University. ISSS staff persons are experienced in cross-cultural counseling and crisis management in a cross-cultural setting. Advisement is available related to immigration matters, adjustment to life in the United States, culture shock, and other personal and academic matters. To further assist internationals in adjusting to life at USF, ISSS provides letters of enrollment and expenses, orientation, non-resident tax seminars, and immigration workshops. International students and scholars may also contact ISSS to get information regarding Tampa area activities, transportation, housing, tourist attractions, and Florida drivers’ licenses. ISSS also offers opportunities to be involved in outreach programs of community service groups such as the American Mentors Program, the Conversational English Program, and Friends of Internationals. Other programs include parties, cultural events, and the annual International Festival.

The USF Study Abroad and Exchanges Office develops and coordinates academic programs abroad that allow students to incorporate an invaluable international component in their education. Through a variety of cost-effective study abroad opportunities, students may participate and meet general distribution requirements, including foreign language and USF summer enrollment graduation requirements. Many students find that they are able to fulfill individual degree requirements while studying abroad through USF. Students can select from among different models of overseas study programs:

1. Semester or academic year reciprocal exchange, by agreement between USF and a foreign partner institution.
2. USF faculty-led group study abroad programs, ranging in duration from a 10-day short-term study tour to a 4-6 week "in-residence" program.
3. Semester-long study abroad, whether for language study or in many disciplines, for USF credit.
4. Internships or special programs arranged by USF College or Department in cooperation with an institution overseas, or service learning programs.

Office of International Student and Scholar Services
Location/Phone: CPR 469, (813) 974-5102
Email: daustell@iac.usf.edu
Web Site: http://web.usf.edu/iac/default.htm

Office of Study Abroad and Exchanges
Location/Phone: CPR 468, (813) 974-4314
Email: studyabroad@iac.usf.edu
Web Site: http://web.usf.edu/iac/studyabroad/

The USF Study Abroad and Exchanges Office develops and coordinates academic programs abroad that allow students to incorporate an invaluable international component in their education. Through a variety of cost-effective study abroad opportunities, students may participate and meet general distribution requirements, including foreign language and USF summer enrollment graduation requirements. Many students find that they are able to fulfill individual degree requirements while studying abroad through USF. Students can select from among different models of overseas study programs:

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4. Internships or special programs arranged by USF College or Department in cooperation with an institution overseas, or service learning programs.
While some programs such as reciprocal exchanges require a minimum grade point average, others require only that students be degree-seeking and currently in good academic status. Depending upon the study abroad option chosen, students may earn USF credit across academic disciplines including courses in Arts and Sciences, Fine Arts, Education, Business Administration, Engineering and more. Programs are available to students in every major field, and most programs do not require foreign language proficiency.

Increasingly, USF students are able to apply the same financial aid available to them for classes on campus to courses taken abroad. The USF Office of Study Abroad and Exchanges coordinates closely with other units on campus on the student’s behalf, including the Financial Aid Office, the Cashier’s Office and Office of the Registrar.

USF degree-seeking students who meet eligibility requirements may apply for study abroad scholarships offered each term through the Study Abroad and Exchanges Office. The Office also maintains an Overseas Information Library. Here, students may research study abroad options, alternative funding sources and overseas employment possibilities in connection with their planned study abroad. Country-specific information and general travel publications further assist students with their planning.

Although new overseas programs are constantly being developed, a sampling of countries in which USF offers different study abroad opportunities includes:

Australia, Brazil, Costa Rica, Cuba, France, Germany, Ghana, Ireland, Israel, Italy, Japan, Mexico, Russia, Spain, Sweden, and the United Kingdom (various locations).

The English Language Institute
Location/Phone: CPR 443, (813) 974-3433
E-mail: elimain@luna.cas.usf.edu
Website: http://www.cas.usf.edu/eli/

The English Language Institute in the College of Arts and Sciences offers intensive academic English as a Second Language (ESL) courses 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 per week. The integrated-skill, content-based curriculum includes training in listening comprehension, spoken English, grammar, reading, writing, culture, learning strategies, and a host of test prep elective courses (TOEFL, GRE, SAT, SPEAK) for upper-level students.

The English Language Institute is authorized to issue 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 $3,150.00 per semester, including health fee, activities fee, and a non-refundable application fee.
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 approved for a reduced load by the Student Academic Advising Office 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**

<table>
<thead>
<tr>
<th>Sessions</th>
<th>For: Academic purposes</th>
<th>For: Financial aid purposes</th>
</tr>
</thead>
<tbody>
<tr>
<td>“A” &amp; “B” (6 weeks)</td>
<td>6 hours or more each session</td>
<td>must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B,” and “C.”</td>
</tr>
<tr>
<td>“C” (10 weeks)</td>
<td>9 hours or more</td>
<td>must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B,” and “C.”</td>
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Students receiving Veterans’ Administration benefits should confirm their Summer Term enrollment with the Office of Veterans’ Services or Veterans’ Coordinator.

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

### Availability of Courses

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

### Transfer of Credit To USF

USF will accept credits only from those institutions accredited by one of the accrediting agencies/commissions recognized by USF. However, USF reserves the right to deny credit for specific courses. The receipt and evaluation of total transfer credits is the responsibility of the Office of Admissions.

The college of the student’s major will determine which courses are applicable toward a specific degree and will assign equivalent courses (see Evaluation of Transfer of Credit under Admissions and Related Matters).

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

### Former Student Returning

The Office of Admissions will evaluate the acceptability of transfer of credits taken at regionally-accredited institutions since last enrolled at USF. The college of the student’s major will determine which courses are applicable for his/her major. In some instances, exact course equivalents will also be determined by other colleges which offer the same or similar course(s) as a part of their programs of study.

### Continuously Enrolled Degree-Seeking Student

The Office of Admissions will determine 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 Schedule of Classes for dates.) To avoid cancellation of registration, fees are due and payable for all registered courses of record on the fifth day of classes (end of drop/add period). (See Academic Calendar for dates.)

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

### Immunization Proof Required

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

### Academic Advising for Undergraduate Students

USF seeks to guide all students in selecting programs and courses best suited to their personal abilities, educational interests, and career objectives. Students who have been admitted to the university and their major area of study must 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.
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. Names 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 after the ninth week deadline (see Academic Calendar for date) reflects a "W" grade for the dropped course(s).

Courses dropped on the first day of classes will result in an automatic "F" grade.

Students who do not attend the first day of class. 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.

Adding 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. Audit status must be obtained only during the first five days of the term by filing an
Audit Form and a date-stamped permit from the college department on the campus where the course is being offered, to the Registrar’s Office. IN-STATE fees are assessed for all audit courses.

Cancellation Before First Class Day

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

Withdrawal

A student may withdraw from the University without academic penalty during the first ten weeks of any term (except for Summer Sessions). He/she must submit a completed Withdrawal Form to the Office of the Registrar. No entry is made on the academic record for withdrawals submitted during the first week of the term. All subsequent withdrawals (through the tenth week of classes in the Fall and Spring Semesters) are posted to the academic record with “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 extenuating circumstances. See “Refund of Fees” under Financial Information for complete details.

Repeat Course Surcharges

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

Effective Fall 2000, the University, under the authority of Board of Regents Rule 6C070014(4)(c) and Statute 240.124, F.S., may grant exceptions to this rule based on extenuating circumstances and financial hardship. However, the University may only approve one appeal per course. The exceptions included in the Statute are extenuating circumstances and financial hardship and are defined as follows:

- Extenuating circumstances are those circumstances determined by the University to be exceptional and beyond the control of the student and may include but not be limited to serious illness, documented medical condition preventing completion; death of an immediate family member, involuntary call to active duty; university error, other emergency circumstances or extraordinary situations.

- The criteria used by the universities for determining financial hardship should include, but not be limited to, qualification for federal need-based financial aid. Students with other documented financial hardships may also be considered.

The student must fill out a Fee Adjustment Request Form and indicate the request is for a waiver of the repeat course surcharge. The student must also submit a statement that explains their request and provide all documentation relating to it. The completed form with documentation should be submitted to the Office of the Registrar for consideration. If a student's request is denied, they may appeal the decision to the Office of the Dean of Undergraduate Studies.

Transcript Information

Transcripts of a student’s University of South Florida 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 four to six weeks after the graduation ceremony. Current term grades are posted approximately one week after the final exam period. 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, Florida 33620-6950

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

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

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

College Level Academic Skills Test

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

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.

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

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

CLAST may be taken by undergraduate, degree-seeking students who have earned 18 semester hours or the equivalent and who apply to take the test 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 able 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.

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enrolled as degree-seeking students if they have already exceeded the number of 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. Appropriate preparation will be determined in consultation with the College CLAST advisor. 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 2022 or higher. Any combination of these courses is permissible, providing only one statistics course is used to calculate the six-hour mathematics GPA.

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

### Courses to Satisfy Rule 6A-10.030 ("Gordon Rule")

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

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

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

In order to follow the specific 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.

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<tr>
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<td>EVT 4651</td>
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<tr>
<td>FIL 2001</td>
<td>Film: The Language Of Vision</td>
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<tr>
<td>FRT 3140</td>
<td>French Literary Masterpieces in English Translation</td>
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<td>GEA 3405</td>
<td>Geography of Latin America</td>
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<tr>
<td>GEA 3500</td>
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<tr>
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<td>LAE 4416</td>
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**Communication (12 semester hours)**

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<td>AFA 4150</td>
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<td>AFA 4335</td>
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<td>AFS 2250</td>
<td>Culture and Society in Africa</td>
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<td>AFS 3153</td>
<td>African Literature Survey</td>
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<td>AMH 3510</td>
<td>U.S. Diplomatic History to 1898</td>
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<td>AML 3604</td>
<td>African American Literature</td>
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<td>AML 4303</td>
<td>Zora Neale Hurston: Major Works</td>
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<td>AMS 3001</td>
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<td>AMS 3260</td>
<td>American Culture, 1830-1860</td>
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<td>AMS 3370</td>
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<td>ANT 4231</td>
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<td>ANT 4241</td>
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<td>ANT 4340</td>
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<td>ANT 4432</td>
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<td>ANT 4750</td>
<td>Language and Social Interaction</td>
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<td>ANT 4935</td>
<td>Rethinking Anthropology</td>
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<td>ARC 4784</td>
<td>The City</td>
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<td>ARH 4710</td>
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<td>CES 4000</td>
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<td>CHM 4070</td>
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<td>CIS 4250</td>
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<td>DAN 4134</td>
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<td>REL 3561</td>
<td>Roman Catholicism</td>
</tr>
<tr>
<td>REL 3600</td>
<td>Introduction to Judaism</td>
</tr>
<tr>
<td>REL 3622</td>
<td>Classics of Judaism</td>
</tr>
<tr>
<td>REL 3613</td>
<td>Modern Judaism</td>
</tr>
<tr>
<td>REL 4041</td>
<td>The Hero and Religion</td>
</tr>
<tr>
<td>REL 4171</td>
<td>Contemporary Christian Ethics</td>
</tr>
<tr>
<td>REL 4177</td>
<td>Comparative Religious Ethics</td>
</tr>
<tr>
<td>REL 4215</td>
<td>Ancient Israel and the Development of the Hebrew Bible</td>
</tr>
<tr>
<td>REL 4221</td>
<td>Who Wrote the Bible (Genesis-Kings)</td>
</tr>
<tr>
<td>REL 4670</td>
<td>Judaism and Christianity After the Holocaust</td>
</tr>
<tr>
<td>RUS 3500</td>
<td>Russian Civilization</td>
</tr>
<tr>
<td>RUT 3110</td>
<td>Russian Classics in English</td>
</tr>
<tr>
<td>RUT 3111</td>
<td>Twentieth-Century Russian Literature in English</td>
</tr>
<tr>
<td>SCE 4236</td>
<td>Science, Technology, Society Interaction</td>
</tr>
<tr>
<td>SPC 3426</td>
<td>Group Communication</td>
</tr>
<tr>
<td>SPC 4305</td>
<td>Communicating Emotions</td>
</tr>
</tbody>
</table>

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

**Computation (6 semester hours)**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2060</td>
<td>Introduction to Computers and Programming in Basic</td>
<td>(3)</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Formal Logics</td>
<td>(3)</td>
</tr>
<tr>
<td>QMB 2100</td>
<td>Business and Economics Statistics I</td>
<td>(3)</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introduction to Statistics</td>
<td>(4)</td>
</tr>
<tr>
<td>STA 2122</td>
<td>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 System**

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 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:
**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 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 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.

"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 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 the appropriate office 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." "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 forgiveness may only be applied to a specific course that a student chooses to repeat. No course taken on the S/U grade basis may have the grade forgiveness applied. Under unusual circumstances, a different but similar course may be used if the substitute course has been previously approved by the college dean and is on file in the Office of the Registrar.

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

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

This policy is applicable to undergraduate and non-degree-seeking students only, and applies to 1000-to-5000-level courses. Once students have been awarded a bachelor’s degree 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 Academic Probation (AP) his/her first term with the appropriate probationary status. If the student has previously been placed on Conditional Readmission by the Academic Regulations Committee will be Academically Dismissed.

The determination and notification of probationary status or academic dismissal will be made by the Registrar’s Office on the student’s semester grade report and academic record. A student who attains a cumulative GPA of 2.00 or higher and subsequently has been placed on Conditional Readmission or who has been placed on Final Academic Probation or who has been placed on Conditional Readmission by the Academic Regulations Committee will be Academically Dismissed.

If a student who has accumulated fewer than 60 semester hours is academically dismissed from USF or falls below a 2.0 GPA and subsequently achieves an A.A. degree or an articulated A.S. degree from a Florida public community/junior college (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 Regulations Committee to clear the academic record.

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

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

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

Academic Renewal

USF recognizes that not every student’s academic record is flawless and that many times students get off to such a poor start that their future academic opportunities are limited. USF can offer many of those students a second chance. The University’s Academic Renewal policy allows students, who provide evidence that they might now achieve academic success, to renew their pursuit of baccalaureate degrees without the burden of having to overcome all of the burden of low grades and low grade-point-averages that reflect academic work attempted in the past. 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 for those with fewer than 60 credits: Students who were academically dismissed or on formal academic probationary status (institutional cumulative GPA of less than 2.00) but who otherwise were eligible to return to USF or other institutions of higher education prior to their successful completion of 60 transferable credits, maybe admitted to the University with Academic Renewal after completing all requirements for the Associate in Arts degree or equivalent
(including general education, Gordon Rule and CLAST requirements), at a two- or four-year college. Academic Renewal I students will enter USF as juniors and their USF grade point average will be calculated from that point forward. Such students will be required to earn 60 credits from USF, with a grade point average of at least 2.00 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 up to three academic semesters (or equivalent) prior to their academic dismissal dropped from consideration in grade-point-average calculations at the University. How many (up to three) and which semesters are the decision of the USF Academic Renewal II Committee. Students utilizing the Academic Renewal II policy must earn a cumulative gpa of 2.00 in USF coursework attempted subsequent to Academic Renewal II, in order to graduate. Students who elect to exercise the Academic Renewal I 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 choose 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.

<table>
<thead>
<tr>
<th>Class Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0C</td>
<td>Unclassified Non-degree-seeking students</td>
</tr>
<tr>
<td>1F</td>
<td>Freshman 0 through 29 semester hours passed</td>
</tr>
<tr>
<td>2S</td>
<td>Sophomore 30 through 59 semester hours passed</td>
</tr>
<tr>
<td>3J</td>
<td>Junior 60 through 89 semester hours passed</td>
</tr>
<tr>
<td>4R</td>
<td>Senior 90 or more semester hours passed; however, no baccalaureate degree earned here or elsewhere</td>
</tr>
<tr>
<td>5B</td>
<td>Baccalaureate degree holder working on a second undergraduate program or degree</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6M</td>
<td>Graduate student admitted to Master’s Degree Program</td>
</tr>
<tr>
<td>6A</td>
<td>Graduate student admitted to Specialist Degree Program</td>
</tr>
<tr>
<td>6C</td>
<td>Admitted to Candidacy</td>
</tr>
<tr>
<td>6D</td>
<td>Graduate student admitted to a Doctoral Degree Program</td>
</tr>
</tbody>
</table>

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 grade. USF requires certain standardized examination processes 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 respects 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 examinations or has three or more examinations scheduled on the same day, the student may petition...
the appropriate instructor to reschedule one of the student’s examinations. The final examination schedule shall be published in the same manner and place as the Schedule of Classes.

**Provost’s List of Scholars**

The Provost’s List of Scholars is designed to recognize degree-seeking undergraduate students for high academic performance during the previous academic year.

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

**Dean’s List**

Full-time undergraduate students who demonstrate superior academic achievement during one semester will be honored on a “Dean’s List.” To be eligible for the Dean’s List, a student must be in a “pool” (defined hereafter) and must complete 12 hours of graded (A-F) USF courses with no incomplete grades during the semester. The “pool” consists of all students who have registered for at least 12 hours of USF courses in a given semester. The Dean’s List shall consist of the fewest of: (1) the upper 10% of the enrollment of the college or (2) students in the college or (3) USF 3.5 GPA or above (ties at the 90th percentile will be included in the honors group).

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

**Academic Regulations Committee**

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

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

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

**Student Academic Grievance Procedures**

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

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

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

**Academic Dishonesty And Disruption Of Academic Process**

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

**Plagiarism**

Plagiarism is defined as “literary theft” and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. On written papers for which the student employs information obtained 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 need 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 of 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.]
   - c. Plagiarism.org suggests that a searchable database of papers might assuage what Shaw called a “kidnapping” of intellectual content. [Paraphrasing of a Web site; the complete information on the Web site will appear in the works cited section.]

3. The following are examples of plagiarism because sources not cited and appropriate quotation marks are not used:

   - a. Plagiarism, from a Latin word meaning “kidnapping,” ranges from inept paraphrasing to outright theft.
c. For the use of another student, a stand-in, to take an exam.
d. Visibility online makes plagiarism much more difficult for the would-be thief.

Punishment Guidelines for Plagiarism:
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 assign the student a grade of “F” or “FF” (the latter indicating dishonesty) 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, other graded assignments, 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 assignment of an “F” or a numerical value of zero on the subject paper, lab report, etc., an “F” or an “FF” grade (the latter indicating academic dishonesty) in the course, suspension or expulsion from the University. A student who receives an “FF” grade may not use the university’s Grade Forgiveness Policy if the course is subsequently repeated. An “FF” grade assigned to indicated academic dishonesty is reflected only on internal records and prevents the student from repeating the course using the Grade Forgiveness Policy. If a student who has been accused of academic dishonesty drops the course, the student’s registration in the course will be reinstated until the issue is resolved. Notice that a student has been dismissed for reasons of academic dishonesty may be reflected on the student’s transcript with the formal notation: Dismissed for Academic Dishonesty.

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 unauthorized 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 other graded assignments, 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:
Disciplinary actions 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. Particularly serious instances of disruption or the academic process may result in suspension or permanent expulsion from the University.

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 instructor must attempt to schedule a meeting with the student to discuss the alleged dishonesty or disruptions.

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

Academic Committee Pre-Hearing Procedure. Within a reasonable time following the failure of the student/instructor/dean meetings to bring about a solution, and in no event later than three (3) months after such failure, the dean shall cause formal charges to be filed with the appointed academic 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
General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>Quantitative Methods</td>
<td>6</td>
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<tr>
<td>Natural Sciences</td>
<td>6</td>
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<tr>
<td>Social Sciences</td>
<td>6</td>
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<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>
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Exit Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Major Works and Major Issues</td>
<td>3</td>
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<tr>
<td>Literature and Writing</td>
<td>9</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 or by receiving AP or IB English credit. Students with satisfactory CLEP performance will satisfy this requirement. To satisfy the Gordon Rule, students must earn a letter grade of “C” or better in each of 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 an historical component—providing students with an understanding of the application of the material to other disciplines. To satisfy the Gordon Rule, students must earn a letter grade of “C” or better in each of these courses.

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. To satisfy the Gordon Rule, students must earn a letter grade of “C” or better in these courses.

While CGS 2060 is applicable to the Gordon Rule Computational 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. Students may choose from a variety of courses to fulfill this requirement. 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. Students may choose from a variety of courses to fulfill this requirement. They will include demonstrations and 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, 2002. 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 Code</th>
<th>Course Title</th>
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<tr>
<td>ENC 1101</td>
<td>Composition I-6A</td>
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</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II-6A</td>
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<tr>
<td>ENC 1121</td>
<td>Composition I: Honors -6A</td>
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<tr>
<td>ENC 1122</td>
<td>Composition II: Honors -6A</td>
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QUANTITATIVE METHODS (6 hours minimum)

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<th>Course Code</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra -6A</td>
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<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra -6A</td>
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<tr>
<td>MAC 1147</td>
<td>Precalculus Algebra and Trigonometry -6A</td>
<td>(4)</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Business Calculus -6A</td>
<td>(4)</td>
</tr>
<tr>
<td>MAC 2241</td>
<td>Life Sciences Calculus I -6A</td>
<td>(4)</td>
</tr>
<tr>
<td>MAC 2242</td>
<td>Life Sciences Calculus II -6A</td>
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<tr>
<td>MAC 2281</td>
<td>Engineering Calculus I -6A</td>
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<tr>
<td>MAC 2282</td>
<td>Engineering Calculus II -6A</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus I -6A</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus II -6A</td>
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<td>MGF 1106</td>
<td>Finite Mathematics -6A</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts -6A</td>
<td>(3)</td>
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<td>MGF 1131</td>
<td>Chaos and Fractals -6A</td>
<td>(3)</td>
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<td>MGF 3301</td>
<td>Bridge to Abstract Mathematics -6A</td>
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<td>PHI 2101</td>
<td>Introduction to Formal Logic -6A</td>
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<td>QMB 2100</td>
<td>Business And Economic Statistics I -6A</td>
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<td>STA 1022</td>
<td>Basic Statistics -6A</td>
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<td>STA 2023</td>
<td>Introductory Statistics I -6A</td>
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<tr>
<td>STA 2122</td>
<td>Social Science Statistics -6A</td>
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NATURAL SCIENCES (6 hours minimum)

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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<tr>
<td>ANT 4586</td>
<td>Prehistoric Human Evolution</td>
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<tr>
<td>AST 2005</td>
<td>Astronomy of the Solar System</td>
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<td>AST 2006</td>
<td>Stellar Astronomy and Cosmology</td>
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<tr>
<td>AST 3033</td>
<td>Contemporary Thinking in Astronomy</td>
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<tr>
<td>BMS 4402</td>
<td>Principles Of Human Pharmacology</td>
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<td>BSC 1005</td>
<td>Principles of Biology For Non-Majors</td>
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<td>BSC 2010</td>
<td>Biology I - Cellular Processes</td>
<td>(3)</td>
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<td>BSC 2011</td>
<td>Biology II - Diversity</td>
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<td>BSC 2022</td>
<td>Biology of Aging</td>
<td>(3)</td>
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<td>BSC 2025</td>
<td>Food: Personal and Global Perspectives</td>
<td>(3)</td>
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<td>BSC 2030</td>
<td>Save The Planet: Environmental Sciences</td>
<td>(3)</td>
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<tr>
<td>BSC 2035</td>
<td>Sex and Today’s World</td>
<td>(3)</td>
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<td>BSC 2050</td>
<td>Environment</td>
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<td>CHM 2021</td>
<td>Chemistry For Today</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
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<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
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<tr>
<td>GEO 2371</td>
<td>Introduction to Earth Systems Science</td>
<td>(3)</td>
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<tr>
<td>GEO 3013</td>
<td>Introduction to Physical Geography</td>
<td>(3)</td>
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<td>GLY 2010</td>
<td>Dynamic Earth: Introduction to Physical Geology</td>
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<td>GLY 2030</td>
<td>Hazards of the Earth’s Surface: Environmental Geology</td>
<td>(3)</td>
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<td>GLY 2038</td>
<td>Earth and Environmental Geology</td>
<td>(3)</td>
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<tr>
<td>GLY 2040</td>
<td>Origins: From the Big Bang to the Ice Age</td>
<td>(3)</td>
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<td>GLY 2050</td>
<td>Science, Earth and Life</td>
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<tr>
<td>GLY 2100</td>
<td>History of the Earth and Life</td>
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<td>ISC 1004</td>
<td>Integrated Natural Sciences I: Science that Matters</td>
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<td>ISC 1005</td>
<td>Integrated Natural Sciences II: Science that Matters</td>
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<td>MET 4532C</td>
<td>Tropical Meteorology</td>
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<td>OCE 2001</td>
<td>Introduction to Oceanography</td>
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<td>PHY 2020</td>
<td>Conceptual Physics</td>
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<td>PHY 2038</td>
<td>Energy and Humanity</td>
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<td>PHY 2048</td>
<td>General Physics I</td>
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<td>PHY 2054</td>
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SOCIAL SCIENCES (6 hours minimum)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AFA 4150</td>
<td>Africa and the United States -6A</td>
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<tr>
<td>AFS 3251</td>
<td>Environmental - Cultural Study in Africa</td>
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<tr>
<td>AMS 2030</td>
<td>Introduction to American Studies</td>
<td>(3)</td>
</tr>
<tr>
<td>AMS 3601</td>
<td>Material Culture and American Society</td>
<td>(3)</td>
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<tr>
<td>AMS 3700</td>
<td>Racism in American Society</td>
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<tr>
<td>ANT 2030</td>
<td>Introduction to Anthropology</td>
<td>(3)</td>
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<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
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<td>ANT 3101</td>
<td>Archaeology</td>
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<td>ANT 3610</td>
<td>Anthropological Linguistics</td>
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<tr>
<td>ASN 3012</td>
<td>Japan Today</td>
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<tr>
<td>ASN 3105</td>
<td>The Pacific Century</td>
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<td>CCR 3003</td>
<td>Crime and Justice in America</td>
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<td>CCJ 3024</td>
<td>Survey of the Criminal Justice System</td>
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<tr>
<td>COM 2000</td>
<td>Introduction to Communication</td>
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<tr>
<td>CPO 2002</td>
<td>Introduction to Comparative Politics</td>
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<td>CPO 4034</td>
<td>Politics of the Developing Are</td>
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<td>CPO 4204</td>
<td>Government and Politics of Africa</td>
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<td>SEP 305</td>
<td>Child Psychology</td>
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<td>ECO 1000</td>
<td>Basic Economics</td>
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<td>Economic Principles (Macroconomics)</td>
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<td>Economic Principles (Microeconomics)</td>
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<td>EUS 3000</td>
<td>Europe</td>
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<td>EUS 3022</td>
<td>Russia</td>
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<td>FRE 4392</td>
<td>African Images in Francophone Film</td>
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<td>GEA 2000</td>
<td>World Regional Geography</td>
<td>(3)</td>
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<td>GEB 2350</td>
<td>Doing Business Around the World</td>
<td>(3)</td>
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<td>GEO 1930</td>
<td>Geography of Current Events</td>
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<td>GY 3200</td>
<td>Introduction to Gerontology</td>
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<td>GY 3226</td>
<td>Aging in the 21st Century</td>
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<td>GY 3255</td>
<td>Sociocultural Aspects of Aging -6A</td>
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<td>GY 4512</td>
<td>Psychology of Aging</td>
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<td>GY 4526</td>
<td>Minority Aging</td>
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<tr>
<td>GY 4541</td>
<td>Death and Dying</td>
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</table>
ACADEMIC POLICIES AND PROCEDURES

UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG

GEY 4647 Ethical and Legal Issues of Aging (3)
HSC 2100 Contemporary Health Science (3)
IDS 2664 Social Science Perspectives I (3)
IDS 2665 Social Science Perspectives II (3)
IDS 2933 Selected Topics III (3)
IDS 2934 Selected Topics IV (3)
INR 1015 World Perspective (3)
INR 3038 International Wealth and Power (3)
INR 3084 International Terrorism (3)
INR 4250 Political Economy of the Southern Nations (3)
INR 4403 International Law (3)
INR 4502 International Organizations (3)
ISS 1101 Knowledge and Society (3)
ISS 1102 Self and Society (3)
ISS 1103 Nature and Culture (3)
MMC 3602 Mass Communications and Society (3)
PAD 3003 Introduction to Public Administration (3)
PHC 2581 Sex, Health, and Decision Making (3)
PHI 1103 Critical Thinking (3)
PHI 2631 Ethics and Business (3)
PHI 2632 Contemporary Moral Issues (3)
PHI 3640 Environmental Ethics (3)
PHI 3700 Philosophy of Religion -6A (3)
PHM 3100 Social Philosophy -6A (3)
POS 2080 The American Political Tradition (3)
PSY 2012 Psychological Science I (3)
PSY 3540 Psychological Science II (3)
REL 3110 Religion and Popular Culture (3)
REL 3111 The Religious Quest in Contemporary Films -6A (4)
REL 3170 Religion, Ethics and Society Through Film -6A (4)
REL 3330 The Religions of India (3)
REL 3600 Introduction to Judaism -6A (3)
SOP 3742 Psychology of Women (3)
SOW 3203 The American Social Welfare System (3)
SPA 3002 Introduction to Disorders of Speech and Language (3)
SPC 2541 Persuasion (3)
SPC 2600 Public Speaking (3)
SPC 3301 Interpersonal Communication (3)
SPC 3710 Communication and Cultural Diversity (3)
SYD 3700 Racial and Ethnic Relations (3)
SYG 2000 Introduction to Sociology (3)
SYG 2010 Contemporary Social Problems (3)
SYP 2029 Social Psychology (3)
WST 2600 Human Sexual Behavior (3)
WST 3015 Introduction to Women's Studies (3)
WST 3311 Issues in Feminism (3)
WST 3440 Women and Social Action (3)

HISTORICAL PERSPECTIVES (6 hours minimum)
AFA 4150 Africa and the United States -6A (3)
AFA 4400 Middle Passage (3)
AFH 3100 African History to 1850 (3)
AFH 3200 African History since 1850 (3)
AMH 2010 American History I (3)
AMH 2020 American History II (3)
AMH 3571 African American History to 1865 (3)
AMH 3572 African American History since 1865 (3)
AML 3453 Historical Perspectives in Early American Literature (3)
AMS 2030 Introduction to American Studies (3)
AMS 2201 Colonial American Culture (3)
AMS 2212 Nineteenth-century American Culture (3)
AMS 2270 Twentieth-century American Culture (3)
AMS 3001 American Culture 1880-1915 -6A (4)
AMS 3210 Regions of America (4)
AMS 3260 American Culture, 1830-1860 -6A (4)
AMS 3370 Southern Women: Myth and Reality -6A (3)
AMS 3401 Material Culture and American Society (3)
AMS 3700 Racism in American Society (3)
ARC 2001 Introduction to Architecture (3)
ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ARH 3475C Contemporary Issues in Art (4)
ASN 3105 The Pacific Century (3)
CLA 3103 Greek Civilization (3)
CLA 3123 Roman Civilization (3)
CLT 3370 Classical Mythology (3)
EGN 2031 History of Technology (3)
EGN 2082 History of Electrotechnology (3)
ENL 3323 Shakespeare from an Historical Perspective (3)
EUH 2011 Ancient History I (3)
EUH 2012 Ancient History II (3)
EUH 2021 Medieval History I (3)
EUH 2022 Medieval History II (3)
EUH 2030 Modern European History I (3)
EUH 2031 Modern European History II (3)
EUS 3022 Russia (3)
FRE 4392 African Images in Francophone Film (3)
GEA 2000 World Regional Geography (4)
HUM 2211 Studies in Culture: The Classical Through Medieval Periods (3)
HUM 2243 Studies in Culture: The Renaissance Through the Twentieth Century (3)
HUM 3251 Studies in Culture: The Twentieth Century (3)
IDS 2666 Historical Perspectives I (3)
IDS 2667 Historical Perspectives II (3)
IDS 2931 Selected Topics (2-5)
IDS 2932 Selected Topics (3)
LAH 2020 Latin American Civilization (3)
LAH 2734 Latin American History in Film (3)
LIT 2000 Introduction to Literature -6A (3)
LIT 2010 Introduction to Fiction -6A (3)
LIT 2030 Introduction to Poetry -6A (3)
LIT 2040 Introduction to Drama -6A (3)
LIT 3022 Modern Short Novel (3)
LIT 3144 Modern European Novel -6A (3)
LIT 3155 Modern Literature -6A (3)
MMC 3602 Mass Communications and Society (3)
MUL 2111 Introduction To Music Literature -6A (3)
PHH 2000 Introduction to Philosophy -6A (3)
PHM 3100 Social Philosophy -6A (3)
PHP 3786 Existentialism -6A (3)
POS 2080 The American Political Tradition (3)
REL 2411 Introduction to World Religions -6A (3)
REL 2306 Contemporary World Religions (4)
REL 3110 Religion and Popular Culture (3)
REL 3111 The Religious Quest in Contemporary Films -6A (4)
REL 3170 Religion, Ethics and Society Through Film -6A (4)
REL 3362 Introduction to Islam -6A (3)
REL 3367 Islam in the Modern World -6A (3)
REL 3501 History of Christianity -6A (4)
REL 3600 Introduction to Judaism -6A (3)
REL 4215 Ancient Israel and the Development of the Hebrew Bible -6A (3)
SOP 3230 Rhetorical Theory (3)
SOP 3631 Rhetoric of the Sixties (3)
SYD 3700 Racial and Ethnic Relations (3)
WST 2250 Female Experience in America (3)
WST 3210 European Feminist History: Pre-18th Century -6A (3)
WST 3220 Women in Western Civilization II (3)

FINE ARTS (3 hours minimum)
AFS 3251 Environmental - Cultural Study in Africa (3)
ARC 2001 Introduction to Architecture (3)
ARC 2131 Introduction to Architectural Design (3)
ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ALAMEA PERSPECTIVES (3 hours minimum)

AF A 2000 Introduction to the Black Experience
AF A 4150 Africa and the United States -6A
AF A 4400 Middle Passage
AF H 3100 African History to 1850
AF H 3200 African History since 1850
AF H 2260 Culture and Society in Africa -6A
AF S 3251 Environmental - Cultural Study in Africa
ANT 2000 Introduction to Anthropology
ANT 2410 Cultural Anthropology
ANT 3005 The Anthropological Perspective
ASN 3014 China Today
ASN 3030 The Middle East
ASN 3105 The Pacific Century
CPO 4034 Politics of the Developing Are
CPO 4204 Government and Politics of Africa
EUS 3022 Russia
FRE 4392 African Images in Francophone Film
GEA 2000 World Regional Geography
GEY 3625 Sociocultural Aspects of Aging -6A
HUM 3271 Eastern and Western Culture from Antiquity to 1400
HUM 3273 Eastern and Western Culture Since 1400
INR 1015 World Perspective
INR 3084 International Terrorism
INR 4502 Political Economy of the Southern Nations
INR 4502 International Organizations
LAH 2020 Latin American Civilization
LAH 2734 Latin American History in Film
LAH 3116 Latin America Through Film
MUH 2051 Folk And Traditional Music Of World Cultures
MUL 3001 Issues In Music
REL 3330 The Religions of India
REL 3362 Introduction to Islam -6A
REL 3367 Islam in the Modern World -6A
REL 3600 Introduction to Judaism -6A
REL 4215 Ancient Israel and the Development of the Hebrew Bible -6A
SPT 2524 Women Writers of Latin America
SYD 3441 Peasant Perspectives
WST 3015 Introduction to Women's Studies

LIBERAL ARTS EXIT REQUIREMENTS FOR UNDERGRADUATES IN ALL DISCIPLINES (9 Semester Hours)

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 consider-
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<tr>
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<td>Zora Neale Hurston: Major Works -6A</td>
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REL 3375 Issues in Caribbean Religions (3)
REL 3355 Religion and the Meaning of Life - 6A (3)
REL 3561 Roman Catholicism - 6A (3)
REL 3602 Classics of Judaism - 6A (3)
REL 3610 Modern Judaism - 6A (3)
REL 4113 The Hero and Religion - 6A (3)
REL 4133 Mormonism in America (3)
REL 4171 Contemporary Christian Ethics - 6A (4)
REL 4177 Comparative Religious Ethics - 6A (4)
REL 4215 Ancient Israel and the Development of the Hebrew Bible - 6A (3)
REL 4221 Who Wrote the Bible (Genesis-Kings) - 6A (4)
REL 4626 Reason in Religion: Talmudic Logic (3)
REL 4670 Judaism and Christianity After the Holocaust - 6A (4)
RUS 3500 Russian Civilization - 6A (3)
RUT 3110 Russian Classics in English - 6A (3)
RUT 3111 Twentieth-Century Russian Literature in English - 6A (3)
SCE 4236 Science, Technology, Society Interaction - 6A (4)
SPA 4050 Introduction to the Clinical Process (3)
SPC 4201 Oral Tradition (3)
SPC 4632 Rhetoric and Social Change - 6A (3)
SPC 4714 Communication, Culture and Community (3)
SSE 4380 Global And Multicultural Perspectives In Education (3)
SYA 4935 Senior Seminar (3)
SYO 4430 Disability and Society (3)
SYP 4420 Consumer Culture - 6A (3)
The 3110 Theatre History I (3)
The 3111 Theatre History II (3)
The 4180 Theatre Origins - 6A (3)
The 4320 Theatre Of Myth And Ritual/Northern European (950-1600) & Oriental (400-1200) - 6A (3)
The 4330 Shakespeare For The Theatre - 6A (3)
The 4401 O'Neill And After - 6A (3)
The 4434 Caribbean Theatre - 6A (3)
The 4435 Theatre Of Pluralism - 6A (3)
The 4562 Contemporary Performance Theory - 6A (3)
WST 3225 Women, Environment and Gender (3)
WST 4310 Feminism in America - 6A (3)
WST 4350 Women and Science (3)
WST 4522 Classics in Feminist Theory (3)
ZOO 4512 Sociobiology (3)

LITERATURE AND WRITING
AFS 3153 African Literature Survey - 6A (3)
AML 3604 African American Literature - 6A (3)
AML 4303 Zora Neale Hurston: Major Works - 6A (3)
AML 4624 Black Women Writers - 6A (3)
DAN 4134 Dance History Though the 19th Century - 6A (3)
ECC 4008 Literature in Early Childhood Education - 6A (3)
EX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues - 6A (3)
FRT 3140 French Literary Masterpieces in English Translation - 6A (3)
LAE 4414 Literature in Childhood Education - 6A (3)
LAE 4416 Teaching Literature and Writing in the Elementary Grades - 6A (3)
LAE 4464 Adolescent Literature for Middle and Secondary Students - 6A (3)
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LIT 3155 Modern Literature - 6A (3)
LIT 3301 Cultural Studies and the Popular Arts - 6A (3)
LIT 3383 The Image of Women in Literature - 6A (3)
LIT 3451 Literature and the Occult - 6A (3)
LIT 4386 British and American Literature by Women - 6A (3)

REL 5121 Theoretical Basis Of Advanced Practice Nursing - 6A (3)
REL 5135 Ethical, Legal, and Policy Issues in Advanced Nursing Practice - 6A (3)
NUR 4194 An Interdisciplinary Perspective in HIV Disease - 6A (3)
POT 4109 Politics and Literature - 6A (3)
REL 3613 Modern Judaism - 6A (3)
REL 4177 Comparative Religious Ethics - 6A (4)
REL 4215 Ancient Israel and the Development of the Hebrew Bible - 6A (3)
REL 4221 Who Wrote the Bible (Genesis-Kings) - 6A (4)
REL 4670 Judaism and Christianity After the Holocaust - 6A (4)
RUT 3110 Russian Classics in English - 6A (3)
RUT 3111 Twentieth-Century Russian Literature in English - 6A (3)
SYA 3310 Qualitative Inquiry - 6A (4)
SYP 4420 Consumer Culture - 6A (3)
The 4180 Theatre Origins - 6A (3)
The 4320 Theatre Of Myth And Ritual/Northern European (950-1600) & Oriental (400-1200) - 6A (3)
The 4330 Shakespeare For The Theatre - 6A (3)
The 4360 The 19th Century Theatre Revolution - 6A (3)
The 4401 O'Neill And After - 6A (3)
The 4434 Caribbean Theatre - 6A (3)
The 4435 Theatre Of Pluralism - 6A (3)
The 4442 Comedy Of The Classic And Neo-Classical Stage - 6A (3)
The 4562 Contemporary Performance Theory - 6A (3)
WST 4262 Literature by American Women of Color - 6A (3)
WST 4410 Third World Women Writers - 6A (3)

"Outside the Disciplinary Cluster" Liberal Arts Exit Courses

"Outside the disciplinary cluster" 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.

Disciplinary 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
Communication Languages
English Languages
French Languages
German Languages

Disciplinary Cluster 2: Natural Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1 or 3-8.

Biology - Interdisciplinary Natural Sciences
Chemistry - Interdisciplinary Natural Sciences
Environmental Science - Interdisciplinary Natural Sciences
Geology - Interdisciplinary Natural Sciences

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

Africana Studies - Interdisciplinary Social Sciences
Anthropology - Interdisciplinary Social Sciences
Criminology - Interdisciplinary Social Sciences
Economics - Interdisciplinary Social Sciences
Geography - Interdisciplinary Social Sciences
Gerontology - Interdisciplinary Social Sciences
History - Women's Studies
Disciplinary Cluster 4: Business - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-3 or 5-8.

Accounting  Management Information
Economics (Business)  Systems
Finance  Management
General Business  Marketing
Administration  

Disciplinary Cluster 5: Engineering

Chemical Engineering  Industrial & Management
Civil Engineering  Engineering
Computer Engineering  Information Systems
Computer Science  (Engineering)
Electrical Engineering  Mechanical Engineering
Engineering Science  

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

Art  Music
Art History  Theatre
Dance  

Disciplinary Cluster 7: Education

Behavior Disorders  Industrial-Technical
Business and Office Education  Education
Education  Mathematics Education
Distributive Education  Mental Retardation Education
Early Childhood Education  Physical Education
Elementary Education  Science Education
English Education  Social Studies Education
Foreign Languages  Specific Learning
Education  Disabilities Education

Disciplinary Cluster 8: Nursing

Bachelor of Independent Studies majors may use certified courses for any disciplinary cluster to meet the Liberal Arts Exit requirements.

Freshman English Requirement

All first-time-in-college students are required to take Freshman English (a sequential two-semester course of study) in accordance with the following conditions:

1. First-time-enrolled students (a) who do not intend to take the CLEP Freshman English Test or (b) who have been notified of failing CLEP prior to registration and who do not intend to attempt the exam a second time must take ENC 1101 and ENC 1102 sequentially. If a student fails the first course, he/she must repeat it before proceeding to the next Freshman English course. Students should normally take these courses during their freshman year, but these courses are high demand and it is possible that registration space will not always be available.

2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus or (b) who have failed but wish to repeat the test should attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or does not attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year. These policies do not apply to first-time-enrolled students who can meet the Freshman English requirement with credit transferred from another institution or those with appropriate AP or IB 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 and has the appropriate credits may inquire about credit-by-examination. Some exams are offered through the College Level Examination Program (CLEP) and others may be offered within departments. Interested students should obtain additional information from their advisors or the Office of Evaluation and Testing.

Graduation Requirements

Baccalaureate Degree

University Requirements

University minimum requirements for graduation consist of the following: earn a minimum of 120 semester hours with an overall 2.00 GPA, including a 2.00 GPA in all courses attempted at USF; a transfer student must have a GPA of 2.0 or higher when combined with all work attempted at other institutions; satisfactorily complete CLAST and the writing and computation course requirements of 6A-10.30; earn a minimum of 48 semester hours of upper-level work (courses numbered 3000 and above); complete Liberal Arts requirements; complete residency requirement; 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 one semester 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)
Chinese  Italian
French  Japanese
German  Polish
Greek (Modern)  Yoruba

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, Criminal Justice, 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:

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<th>Academic Major</th>
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<td>American Studies (AMS) (B.A.)</td>
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<td>Anthropology (ANT) (B.A.)</td>
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<td>Biology (BIO) (B.S.)</td>
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<td>Cell and Molecular (CAM) (B.S.)</td>
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<td>Ecology (ECL) (B.S.)</td>
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<td>Marine (MRN) (B.S.)</td>
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<td>Physiology (PGY) (B.S.)</td>
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<td>English (EN) (B.A.)</td>
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<td>Theater (STA) (B.A.)</td>
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<td>Communication Sciences and Disorders (CSD) (B.A.)</td>
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<td>Deaf Studies (DST) (B.A.)</td>
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<td>Interpreter Training (ITT) (B.A.)</td>
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ACADEMIC POLICIES AND PROCEDURES

UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG

College of Business Administration (B.A./B.S.option):
- Accounting (ACC)
- Business Economics (ECN)
- Finance (FIN)
- General Business Administration (GBA)
- Management Information Systems (ISM)
- Management (MAN)
- Marketing (MKT)

College of Education (B.A./B.S. option):
- Business and Office Education (BBE)
- Distributive and Marketing Education (DEC)
- Early Childhood Education (BEC)
- Elementary Education (BEE)
- English Education (BEN)
- Foreign Language Education (FLE)
  - French (BFF) (B.A.)
  - German (BFG) (B.A.)
  - Italian (BFI) (B.A.)
  - Russian (BFR) (B.A.)
  - Spanish (BFS) (B.A.)
- Industrial Arts-Technology Education (BIT)
- Mathematics Education (BMA)
- Physical Education (PET)
  - Elementary (BPE)
  - Secondary (BPS)
- Wellness (BPW)
- Science Education (SCE)
  - Biology (BSB)
  - Chemistry (BSC)
  - Physics (BSY)
- Social Science Education (BSS)
- Special Education
  - Behavior Disorders (BBD)
  - Mental Retardation (BMR)
  - Specific Learning Disabilities (BLD)
- Varying Exceptionalities (5 yr. Program) (BVE)

College of Engineering:
- Chemical Engineering (ECH) (B.S.C.H.)
- Civil Engineering (EC) (B.S.C.E.)
  - Environmental (ENV) (B.S.C.E.)
- Computer Engineering (ECP) (B.S.C.P.)
- Computer Science (ECC) (B.S.C.S.)
- Electrical Engineering (EEL) (B.S.E.E.)
- Engineering, General (EGU) (B.S.E.),
- Engineering Science (EGC) (B.S.E.S.)
- Industrial Engineering (EI) (B.S.I.E.)
- Information Systems (EIF) (B.S.I.T.)
- Mechanical Engineering (EME) (B.S.M.E.)

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

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

Undergraduate Studies:
- Information Technology (B.S.I.T.)

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:
- African & African Diaspora Studies
- African Studies
- American Studies
- Anthropology
- Chemistry
- Classics
- Communication
- Communication Sciences and Disorders: American Sign Language
- Criminology
- Economics
- English: Creative Writing
- English: English and American Literature
- English: Professional-Technical Writing
- Environmental Science and Policy
- French
- Geography
- Geology
- German
- Gerontology
- History
- Humanities
- Interdisciplinary Classical Civilizations
- International Studies
- Italian
- Latin
- Linguistics
- Mass Communications
- Mathematics
- Modern Greek
- Philosophy
- Physics
- Political Science
- Psychology
- Religious Studies
- Russian
- Sociology
Two Degrees (USF Students)

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

Second Baccalaureate Degree
(Transfer Students)

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

Availability of a Baccalaureate Degree for Students Enrolled in or Graduated from a Five-year Master’s Program

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

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

b. Satisfy requirements for the baccalaureate-level program.

B.A. Degree for Medical and Dental Students

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

Application for Graduation

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

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

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

It is the student’s responsibility to clear all “I” grades (incompletes) in courses required for graduation and to provide official transcripts of all transferred coursework attempted for graduation at least 3 weeks prior to the end of the term in which he/she expects to graduate.

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

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

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

**Posthumous Degrees or Degrees in Memoriam**

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

To award a non-thesis degree, the student would need to have completed all courses required for the degree. Courses required for the degree, in which the student is enrolled at the time of his or her death, must have been completed to the satisfaction of the faculty so that passing grades 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 complete to satisfy the faculty so that certification of completion may be posted to the student’s record.

**Procedures for Award of Posthumous Degrees or Degrees in Memoriam**

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

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

**Honors at Graduation**

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

 Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.50 but below 3.70 shall receive a diploma designation of *magna cum laude* (with honor).

 Candidates with a USF GPA of 3.50 or higher and an overall GPA of 3.70 but below 3.90 shall receive a diploma designation of *cum laude* (with honors).

 Candidates with a USF GPA of 3.90 or above shall receive a diploma designation of *summa cum laude* (with highest honor).

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

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

**Commencement**

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

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

**Certification Requirements**

**Associate of Arts**

Upon the student’s successful completion of the minimum requirements for the Associate of Arts Certificate, the University will present the student who has properly made application with an appropriate certificate.

1. To receive the Associate of Arts, the student must complete 60 semester hours of university credit; at least 20 of the last 30 semester hours counted toward the Certificate must be completed in residence at USF; the minimum grade point average must be 2.0 based on work attempted at the USF; in addition, a transfer student must have a GPA of 2.0 or higher when combined with transfer work accepted and evaluated by the USF Office of Admissions; and the General Education Requirements of USF must be satisfied.

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 application for a degree/certificate in each semester is stated in the Academic Calendar in the catalog.

3. The Associate of Arts certificate must be awarded prior to the term that the student becomes eligible for the baccalaureate degree.

4. Final processing for the Associate of Arts will be done after grades are processed at the end of the semester for which the student applied. All work, including transfer work, taken in that semester will be evaluated with respect to the requirements for the Associate of Arts Certificate.

5. Any incomplete grades shown on the permanent record of an Associate of Arts applicant at the time grades are processed will be treated as an F in the calculation of grade point average.

6. The General Education Requirements will be based on the approved University policy in effect in the catalog year the
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.

An applicant who has not been enrolled at USF for three (3) consecutive terms may be contacted to ascertain whether or not that applicant meets the residency requirements.

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 time he/she applies.

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.

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.

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.

Student Records Policy

Pursuant to the provisions of the Family Educational Rights and Privacy Act ("FERPA"; 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 228.093 and 240.237 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:

1. Inspect and review their education records
2. Challenge the accuracy of their education records
3. 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.
4. 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
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 HAVE PRIOR WRITTEN APPROVAL from their college academic advisor to receive credit for courses taken. The transient student/cross enrollment form should be used for this purpose. First term, first time in college freshmen are not eligible for USF awarded financial aid if granted transient student status.

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), IB, and DANTES examinations (if awarded by another university or community college in the State system). Performance levels necessary to achieve credit have been established at a common level for all universities and community colleges in the State system. Credit earned through one examination program may not be duplicated by another examination or course. The following limitations should be recognized:

1. Although the General Examinations are not equated to specific courses, there are two cases in which the content is sufficiently similar to be considered as duplicate credit. Thus, students may not receive duplicate credit for the course and the CLEP test in the following areas:
   - Test: English Composition
   - Course: ENCl101
   - Test: College Mathematics
   - Course: 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 Rule 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.

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 acceptability of a specific CLEP examination toward a student’s degree requirements and the advisability of taking the examinations in a student’s specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Evaluation & Testing (SVC 2054).

The CLEP General and Subject Examinations are administered on a daily basis on the Tampa Campus. Testing schedules and application forms are available in the Office of Evaluation & Testing (SVC 2054). Prior registration is required.

For information regarding CLEP examinations, please go to the Evaluation and Testing web site http://www.usf.edu/ugrads/eandt/clep.htm#language.

For information regarding discontinued exams or examinations taken prior to July of 2001 or those not listed, contact Evaluation and Testing or call 974-2742.

ADVANCED PLACEMENT CREDIT PROGRAM

The University participates in the Advanced Placement Program conducted by the College Entrance Examination Board. The Advanced Placement Test is based on specific college level courses that are offered in a number of high schools. Interested students should contact their high school counselors or principals for additional information. Please note: not all colleges will interpret AP test results in the same manner. Consult the table below to ascertain how the University of South Florida interprets AP test results.


COLLEGE REACH-OUT PROGRAM

Location/Phone: HMS 497 or 499, (813) 974-3713

College Reach-Out is an academic program designed for low-income and educationally disadvantaged junior and senior high school students who have the academic potential for success in a postsecondary institution and plan to pursue an education beyond high school. The focus of the program is to prepare students to meet higher education requirements established for admission to colleges and universities by providing tutoring and counseling services. Students will be exposed to a variety of personal, social, academic, educational, and career opportunities through participation in a summer enrichment program. Admission requirements are listed below:

1. Family income must meet federal and state guidelines.
2. Students must have completed the 8th grade.
3. Students must have a 2.0 grade average in English, mathematics, history, and science.
4. Students must attend schools in Hillsborough County.

Applications should be forwarded to the College Reach-Out Program, HMS 497 or 499, USF.

UPWARD BOUND

Location/Phone: HMS 469, (813) 974-2802

Upward Bound is a pre-college program for students from low-income families who have academic potential but who have inadequate secondary school preparation or have not achieved success in school.

Its purposes are to assist these students in developing goals, improving academic skills, and providing the motivation necessary to achieve success in a college or post-secondary program. To qualify, the applicant must meet the following criteria:

1. Family income must meet federal guidelines.
2. Applicant should be a potential first-generation college student.
3. Student must have completed the 9th grade and be enrolled in the 10th or 11th grade in an accredited high school.
4. GPA must be 2.0 (“C”) or above in basic pre-college courses.
5. Attend weekly scheduled tutorial sessions.
6. Attend the six-week summer residential component on the USF Tampa Campus.

Applications should be forwarded to Director, Project Upward Bound, USF.
INDEPENDENT STUDY

Undergraduate students wishing to take a course by independent study must contact the instructor of the course for permission. The instructor specifies the requirements to be completed by the student including tests, periodic class attendance, term papers, etc.

Not all courses in the University may be taken by independent study. The respective colleges have jurisdiction in the determination of which courses may be taken in this manner.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance. Students taking a course by independent study must register for the specific course section in the regular manner.

ENROLLMENT IN EVENING COURSES

Evening courses at USF are part of the regular academic program; they are offered at times convenient to people within commuting distance who wish to continue their education at night while occupied during the day with other responsibilities. Requirements for day and evening courses are the same. See the University Class Schedule for evening registration dates and times.

COMMUNITY EXPERIENTIAL LEARNING PROGRAM

Location/Phone/Email: SOC 346, (813) 974-8452, jones@chuma1.cas.usf.edu

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive at least one academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in the CEL Program anytime during their academic career. Good standing at the University and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally students should plan their CEL projects during the term prior to their implementation, but they can be added at any time during the term. Information may be obtained from Robin Jones in SOC 346, (813) 974-8452.

STATE UNIVERSITY SYSTEM, EXTERNAL DEGREE PROGRAM

BACHELOR OF INDEPENDENT STUDIES (BIS)

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

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, any-
has the largest distance learning program in Florida, with more than 14,700 enrollments each year. "Anytime, anywhere" learning models use established technology, such as televisions, VCR’s, and computers supported by internet networks and emerging wireless digital applications to enable individuals to take courses in their homes and workplaces, at times that fit their personal schedules. Visit our 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 three primary areas of support: faculty, students and classrooms.

Distance Learning Faculty Support helps faculty incorporate a range of instructional technologies to enhance the learning experience of the students. This support involves course production and development assistance for web-based instruction, videoconferencing, video streaming, telecourses, enhanced TV, and other models. These applications of technology expand access for students constrained by time and/or place.

Educational Outreach provides additional faculty support through a newly renovated faculty technology center (SVC 038), and through VITAL (Virtual Instructional Team for the Advancement of Learning). For more information call (813) 974-7984 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 active classes and facilitating collaborative learning in a distributed environment. In conjunction with VITAL, the Department of Educational Outreach provides faculty support for design, development, and production of courses using multimedia and technology. Instructional Television Fixed Services (ITFS) network, broadcast video systems, and satellite uplink/downlink capabilities. A faculty helpline is available 106 hours weekly to assist faculty using online applications in their teaching. Call (813) 974-8001 or email: onlinehelp@outreach.usf.edu.

Distance Learning Student Support distributes materials to off-campus locations, serves as a central information and referral point for distance and off-campus courses, and maintains a viewing area for telecourses and other offerings with taped sessions for students’ review. Students enrolled in telecourses, teleweb courses (television-based courses with web components), and other 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 provision of equipment and computing accounts. Offerings through Distance Learning are included in the schedule of classes, ACCESS USF: Distance and Off-Campus Learning, a special online publication available each semester. For more information, please call (813) 974-2996, send e-mail to: distance@outreach.usf.edu, or visit our web site at http://www.outreach.usf.edu.

Technology in the Classroom Support provides access to standard and state-of-the-art classroom instructional technology through delivery, set-up, maintenance, and over-the-counter check-out of equipment for faculty and classroom use. This comprehensive service model includes traditional classroom equipment, such as overhead projectors and VCR’s and more recent additions, including computer projection systems, electronic "smart" boards, and digital cameras. Integrated technology systems are being installed in high use classrooms, enhancing the learning environment and facilitating the use of multimedia and technology enhancements in the teaching and learning process. Thirty-eight specially equipped distance learning classrooms support full interactive videoconferencing environments and more traditional distance learning technologies at all four USF campuses. These technology capabilities enhance USF’s K-12, community college, civic, and corporate partnerships by expanding educational opportunities throughout Florida and beyond.

Educational Outreach represents USF in the Hispanic Educational Technology System (HETS), an 18-institution consortium whose mission is to widen access of Hispanic students to postsecondary education through telecommunications.

Off-Campus Opportunities
Phone: (813) 974-2996
Email: distance@outreach.usf.edu

A wide range of credit courses are offered at off-campus locations, including community colleges, public schools, libraries, and community-based or corporate sites. These courses serve the unique needs of non-traditional students with busy schedules, by making courses available in locations convenient to their homes and workplaces. Concentrated “live” classes offered in intensive formats and an impressive array of evening and weekend classes complement the more traditional schedules of semester-based courses and provide a convenient alternative to distributed learning options for students who prefer group-based models. Organizations and businesses may contract with USF to offer courses on-site. All courses offered in an off-campus location are standard USF courses listed in the Undergraduate or Graduate catalogs and are taught by USF faculty. Students in these programs must meet all USF admissions, academic standing, and graduation requirements. Specific details are included each semester in the schedule of distance and off-campus learning classes.

USF Downtown Center
Phone: (813) 905-5858
Fax: (813) 905-5859
Email: downtown@acad.usf.edu
Web site: http://usfweb.usf.edu/downtown

USF’s Downtown Center is located in the Tampa Port Authority’s 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.

Offerings at the USF Downtown Center include the Master of Business Administration (MBA), Master of Public Administration (MPA), MS in Information Systems (MS/MIS), and Master of Health Administration (MHA), as well as a variety of noncredit programs. Find out how easy it is to register for classes by touch-tone phone or web. Call (813) 974-2996 for further information.

The Downtown Center is located at 1101 Channelside Drive just north of the Ice Palace, the Florida Aquarium, and the Port Authority Cruise Terminal. It is easily and quickly accessible from South Tampa, Ybor City, I-275, and the Lee Roy Selmon Expressway (formerly Crosstown Expressway). In downtown Tampa, follow the signs to the Arena, Aquarium, and Seaport area.

MBA Program
The USF MBA Program offers evening courses at the USF Downtown Center in the Tampa Port Authority Building. Students are able to complete all degree requirements at the
M.S. in Management Information Systems
To meet the needs of the marketplace for expertise in both information technology and management, the Information Systems and Decision Sciences department in the College of Business Administration offers a program of study leading to a Master of Science in Management Information Systems (MS/MIS) degree at the USF Downtown Center. Our goal is to develop IT specialists who are attuned to the latest principles, methods and techniques of both technology and management. The MS/MIS program is designed for individuals who are challenged by applications rather than science or technology and who are willing to undertake a career that demands a broad rather than a narrow range of skills. The program requires 32 hours of coursework and may be taken full-time or part-time. For further information, call (813) 974-5524 or visit the website at http://www.coba.usf.edu.

Masters of Public Administration
The Public Administration program offers a multi-disciplinary course of study leading to the Masters of Public Administration (MPA) degree. The MPA is designed to prepare students for successful leadership roles and management careers in the public, i.e., governmental and quasi-governmental (organizations) and nonprofit sectors. The required curriculum is 45-51 credit hours varying according to a student’s prior work experience and exit option chosen. All students must complete a core of nine courses (27 hours) and either four or six courses (12-18 hours) in elective coursework in consultation with an advisor. For additional information please call (813) 974-2150 or visit the website at http://www.cas.usf.edu/pad/index.html.

B.A. in Interdisciplinary Social Science
The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

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

USF offers selected undergraduate and graduate courses and degree programs at several North Pinellas County locations:
- Saint Petersburg College (SPC) Seminole
  9200 113th Street North
  Programs: Instructional Technology, M.A.
  Social Work, B.S. & M.S.
- Palm Harbor University High School (PHUHS)
  1900 Omaha Street
  Programs: Exceptional Childhood Education, B.A.
- Young-Rainey Pinellas (STAR) Center Largo
  7887 Brian Dairy Road
  Programs: Engineering, B.S. & M.S.
  Business Administration, M.B.A.
- Other North Pinellas sites
  (Locations established as needed)
  Programs: Engineering (FEEDS), B.S. & M.S.
  Public Administration, M.A.
  Public Health/Health Mgmt., M.A.
  Library Information Science, M.S.

Program Contacts:
Business Administration 727-553-1542
Business Admin. (MBA) 813-974-3335
Education 727-553-1511
Ed. Leadership, Ed.D. 813-974-1575
Engineering 813-974-3783
Instructional Technology 813-974-1632
Interdis. Social Science 727-553-1554
Library Info. Science 813-974-7344
Nursing 813-974-4229
Public Administration 813-974-1080
Public Health/Health Mgmt. 813-974-6666
Social Work 727-553-1632

USF at Pasco-Hernando Community College
Phone: (813) 974-2996
Website: http://www.outreach.usf.edu

USF offers selected undergraduate and graduate courses and degree programs at several locations in Pasco and Hernando counties:
- Pasco-Hernando Community College (PHCC) New Port Richey
  10230 Ridge Road
  Programs: Elementary Education, B.S.
  Interdisciplinary Social Science, B.A.
  Nursing, B.S. & M.S.
  (East Campus (Dade City) and North Campus (Brooksville)
  may participate in some courses via videoconference.)
- Pasco County School Board
  7727 Land O’ Lakes Blvd.
  Programs: Educational Leadership, M.Ed.
- Hernando County School Board
  919 Nort Broad Street
  Programs: Educational Leadership, M.Ed.
- Other Pasco-Hernando sites:
  (Locations established as needed)
  Programs: Engineering (FEEDS), B.S. & M.S.
  Public Administration, M.A.
  Library Information Science, M.S.

Program Contacts:
Education 727-553-1511
Ed Leadership, Ed. D. 813-974-1431
Engineering (FEEDS) 813-974-3783
Interdis. Social Science 727-553-1554
Library Info. Science 813-974-7344
Nursing 813-974-4229
Public Administration 813-974-1080

"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 videocassette 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 four USF campuses (Tampa, Lakeland, St. Petersburg and Sarasota) and their surrounding areas. Courses have on-campus sessions or web-based modules for orientation, reviews and student interaction components. Some courses can be used to fulfill liberal arts and/or major requirements and can be used as elective credit for many degree programs. Students should check with their advisors concerning any questions about the applicability of specific courses to their degree programs. Students enrolled in telecourses are allowed to tape the programs during broadcasts, but may review episodes and taped review sessions in the student viewing area provided by Educational Outreach, in SVC 1072. In lieu of watching the courses on television, students may secure tapes from RMI Telecourse Rental for most courses (1-800-745-5480).

Course syllabi are available approximately one week before the start of each semester and may be picked up at SVC 1072. Office hours are 8:00am-7:00pm M-F; however, syllabi are available outside the office and can be picked up later at night and during weekends, whether or not the office is open at the time. Syllabi are also available on the web site at http://www.outreach.usf.edu.

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 Pre-college and Community Outreach, Conferences and Institutes, and Professional and Workforce Development.

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, and a summer music camp. The Saturday Visual and Performing Arts Program provides studio based classes to children and youth during the school year. And the Summerpal: Interscultural 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.

A Pre-college Directory describing USF pre-college activities and programs University-wide is published annually and can be obtained by contacting USF Pre-college and Community Outreach at 4202 E. Fowler Ave., MHH 116, Tampa, FL 33620-6756, (813) 974-6989.

Division of Conferences and Institutes

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 services including program development/planning, financial planning and management, fund development, promotion, instructional resources, registration, logistics, Continuing Education Units, on-site management, evaluation and certificates.

For additional information about developing programs or learning about upcoming programs, contact the Division of Conferences and Institutes, Educational Outreach, USF, 4202 E. Fowler Avenue, MHH 116, Tampa, FL 33620-6756; (813) 974-5731; fax (813) 974-1459; e-mail laurade@admin.usf.edu.

Professional and Workforce Development (PWD)

The Division of Professional and Workforce Development provides open enrollment and contract continuing education programs to assist working adults acquire new, updated or complimentary skills needed to achieve or maintain proficiency in their current profession, earn noncredit educational certificates, prepare for professional certification examinations, qualify for promotion in their organization, transition to a new career, meet professional continuing education requirements, prepare for graduate entrance examinations or return to the workforce. We also work with employers to bring many of these programs directly to their staff, either at USF or at the work site. Programs include workshops, seminars, short courses that vary in length from one-day seminars to four to eight week evening courses. Some advanced certification programs require from six to 18 months to complete.

PWD’s non-credit certificate programs provide high-quality, practical training in a number of disciplines including management and supervision, human resource management, financial planning, gemology and gem/jewelry appraisal, non-profit management, and several computer and business communications areas listed below.

PWD offers a wide variety of non-credit computer training programs ranging from beginning, intermediate and advanced instruction in many popular computer applications, web/multimedia/graphics training, to sophisticated training to prepare individuals for examinations to earn advanced computer certifications such as A+, Microsoft Certified Systems Enginee (MCSE), Microsoft Certified Solutions Developer (MCSD), Oracle application development and database administration, computer programming, and Web Skills for Business and Marketing.

The Division provides specialized training in foreign language and business communications, and has non-credit certificate programs in Public Relations, Workplace Communications, Technical Communications (Technical Writing), Photography and English Language for Non-Native Speakers.

For students preparing for the SAT, GRE, GMAT, LSAT and TOEFL examinations, PWD provides high-quality, instructor-led preparation courses to prepare students academically and psychologically to take these critical examinations.

USF’s Mediation Institute, the International Traumatology Institute, and the new Cultural Institutions Certificate Program are now part of the Professional and Workforce Development Division:

- The Mediation Institute provides Florida Supreme Court approved training leading to certification in family, circuit civil and dependency mediation; the Institute also offers training in conflict resolution, negotiation, co-parenting skills for divorcing parents and other special topics.
- The International Traumatology Institute provides training for medical professionals, social workers, clergy, and police, fire and emergency service personnel leading to certifications in Field and Clinical Traumatology and Compassion Fatigue.
- The Cultural Institutions Certificate Program is designed to offer professionals in cultural organizations, an opportunity to enhance their practical knowledge and management skills. Individual workshops and a certificate program are offered.

PWD coordinators are skilled in needs assessment, program design and development, planning, budgeting, and evaluation. Programs employ a variety of instructional methods to ensure maximum educational effectiveness and encourage individual participation. Courses are taught by distinguished USF faculty and by experienced subject matter experts from the community. The appropriate USF academic unit approves our
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) 974-2403
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 state university libraries together contain over 10,000,000 volumes of information resources. Books and periodicals are cataloged and arranged on open shelves using the Library of Congress Classification System. Books may be checked out with renewal privileges; periodicals may not be checked out.

The USF Virtual Library enhances teaching and learning through the delivery of online library resources and services to the dorm, office, or home as well as on-site at any of the USF Libraries. Special features include WebLUIUS, the online catalog, an electronic course reserve system, over 1,000 electronic journals, hundreds of databases - some of which include additional full-text information, and digitized historical materials such as photographs, documents, and oral histories. Beyond content, there are numerous library services such as interlibrary loan request forms, the ability to renew materials, and reference assistance requests available on the Virtual Library website.

WebLUIUS, the online catalog, may be searched by author, title, subject, and keyword to identify the libraries' holdings. LUIUS contains records for the USF libraries, all ten state university libraries in Florida and online catalog 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.

The USF Libraries Regional Exchange Center can obtain materials from other USF libraries upon request. Thus, students and faculty have access to resources beyond the on-site collections at any USF campus. REC forms are available at reference and circulation services desks.

More information about the USF Library System, including the Virtual Library and library services to distance learners, is available on the World Wide Web at http://www.lib.usf.edu/virtual/.

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 1,091,000 volumes, 10,900 periodicals and 2,797,000 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 WebLUIUS, the online catalog for USF, and the other nine state universities; over 275 databases; full-text material and document delivery services and World Wide Web access. CALL/USF, the fee-based information service for community users, offers document delivery, and customized research.

Periodicals Collection: The Periodicals Collection is located on the second floor with service provided at the Periodicals Information Desk and the Copier Assistance Desk. The collection contains more than 4,900 current periodicals and selected newspapers from Florida and major cities in the U.S. and foreign countries. A large collection of periodicals and newspapers in microform and microfilm is also located in the Periodicals Microform Room. WebLUIUS 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 microform. The documents collection, which is housed in the basement of the Library, contains over 2.6 million items, including a wide variety of materials in print, microform, and electronic format. The collection is augmented by the acquisition of selected publications of other public agencies, selected reference tools, and other specialized indexes and finding aids. Assistance with the location and use of government publications is provided at the Documents Information Desk. Visit the Government Documents Department's Web site (http://www.lib.usf.edu/virtual/govdocs/) for access to a wide range of online government resources.

Special Collections Department: Located on the fourth floor, this department houses the Library's rare books, Florida history and other special collections, as well as the University's archives. Its holdings total over one million items, with rare and unusual materials ranging from 4,000 year-old Sumerian tablets to modern fine printing. In addition to books, Special Collections houses thousands of historical photographs, early maps, sheet music, printed ephemera and oral histories. The department holds a number of major archival collections, including the papers of Florida governors, congressmen and other political leaders, the Research Collection on the Nixon Presidency, and the records of Tampa's Spanish, Cuban and Italian immigrant mutual aid societies. Also present are the papers, books, and manuscripts of literary figures like F. Scott Fitzgerald and Dion Boucicault. 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 online. Further information is available through the department's website at http://www.lib.usf.edu/spcoll/.
ACADEMIC PROGRAMS AND SERVICES

UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG

Access Services (circulation, interlibrary services, reserve): Access Services is located on the first floor. The Reserve collection, containing books and articles are reserved at faculty request for use in a particular class is available at the Reserve service desk. Many reserve items are now available on the Electronic Reserve System, which is accessible on the World Wide Web to any USF student. Circulating books that are shelved on the third through fifth floors can be checked out at the circulation service desk on the first floor. The Library uses an automated circulation system that facilitates easy and quick check out of books. Renewals can be done in person, by email or over the World Wide Web. A statement of the library’s circulation policy is available at the Access Services Service desk and on the USF Library’s home page. Interlibrary services can 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, Florida toll-free: 1-866-974-1222, email: help-ac@usf.edu, web: http://www.acomp.usf.edu/help
AC Open-Use Lab: LIB 125, phone: 974-7616
AC Trainers: LIB 618A, phone: 974-5286, email: actrainers@lists.acomp.usf.edu, web: http://training.acomp.usf.edu
Campus Network Information Site: http://www.acomp.usf.edu/network
Dialup Document Web Site: http://www.acomp.usf.edu/access
Netcast Broadcasting Site: http://www.acomp.usf.edu/netcast
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, Blackboard and WebCT. For more information see http://training.acomp.usf.edu/scholar. 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, the Academic Computing open use computer lab, and the Academic Computing Training Center. Walk in assistance for computer questions is provided. All USF students are provided with computing accounts, email and internet access. Registered students receive their automatically generated netid, computing account, and password at https://una.acomp.usf.edu. Other services include phone support, on-line help and tutorials, one-on-one chat with Help Desk technicians and training workshops. Employment opportunities for students are available. Check our web site at http://www.acomp.usf.edu for job listings.

Academic Computing offers support and access to compilers for the usual range of applications on a variety of machines across campus. Help is available for numerically intense applications and the mathematical packages. Academic Computing provides the University with high performance and numerically intensive computing through its Research Oriented Computing Services division, http://fmos.acomp.usf.edu.

Academic Computing supports the Universities Web Portal. Powered by Blackboard, the Web Portal gives instructors the ability to put class materials, assessments, and discussion boards online easily. The portal also makes available space for organizations, groups and clubs, and is customizable to make it more useful to every individual.

INFORMATION TECHNOLOGIES/CFRDC
Phone: (813) 974-9000
Web Address: http://usfweb.usf.edu/usfit/

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 unity within the State Board of Education and provides the primary administrative computing support for the University and numerous other agencies. CFRDC is a division within Information Technologies (IT) and its support staff consists of Computer Operations and Technical Support including Database Administration. Computing accounts are established through the IT Financial Management group.

Central site computing equipment located in the Student Services Building on the Tampa campus includes an IBM 9672 Model R32 Enterprise Server supporting tape and disk storage subsystems, laser and impact printers in the OS/390 operating system environment, in addition to several SUN UNIX machines supporting various applications, such as OASIS and GEMS, and numerous NT servers supporting e-mail, web services and calendaring as well as file and print services. IT is heavily involved in the management and operation of the campus-wide backbone network and the I-2 initiative, 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.

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. The station works closely with the School of Mass Communications to provide students with practicum experience. From its new state of the art facility, it serves viewers in the greater Tampa/St. Petersburg/Sarasota areas including Polk, Pasco, and Hernando Counties, as well as USF faculty, staff, students, and other educational agencies. It also provides extensive production and multi-media services to USF academic and support services units including telecourses, training videos, and DVD projects as well as to corporate clients. 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
The University Beat is 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 and to corporate clients.

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 regulating 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 1996/97, 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 public and private agencies, they contribute to our knowledge about the world in which we live and apply their findings and skills to solving many of the problems facing contemporary society. Many contributions evolve from basic research; others, from practical applications of new knowledge. Other projects make specialized training available to public officials, to organizations working for social betterment, to religious and educational institutions, and to business and manufacturing organizations. Through sponsored and non-sponsored activities, USF faculty, students, and staff make significant contributions to the University’s instructional programs. Additional information about services and programs is available on the World Wide Web (http://www.research.usf.edu/).

LOUIS DE LA PARTE FLORIDA MENTAL HEALTH INSTITUTE

Location/Phone: MHC 1101, (813) 974-4602

The Louis de la Parte Florida Mental Health Institute’s mission is to strengthen services for persons with behavioral health disorders (including mental, addictive and developmental disorders) in the State of Florida through research, training, and education (Florida Statute 240.514).

The Institute’s programs are conducted by four departments: Aging and Mental Health, Child and Family Studies, Community Mental Health, and Mental Health Law and Policy. The Institute conducts a broad range of applied research, training, and dissemination activities related to the planning, development, delivery, and evaluation of behavioral health services. The Institute’s training and consultation activities are provided for a variety of audiences including behavioral health and health care professionals, the Florida legislature, administrators, policy makers, planners, consumers, students, and the public.

The Institute provides continuing education opportunities for behavioral health and health professionals and is approved to provide continuing education credits for the following professional organizations: American Psychological Association, Florida Department of Professional Regulation, Florida Board of Nursing, and the Certification Board of Addiction Professionals of Florida. The Institute also provides continuing education credits to professional groups such as physicians and attorneys through the following organizations: the USF Continuing Medical Education Office and the Florida Bar Association.

The Institute offers undergraduate and graduate students research assistantships, volunteer and part-time employment opportunities. Students may earn academic credit for independent research performed at the Institute in conjunction with USF courses. Institute faculty teach credit courses in degree-granting programs in cooperation with other USF colleges and offer certificate courses in planning, evaluation and accountability.

The Institute’s pre-doctoral internship program for psychologists is approved by the American Psychological Association. Undergraduate and graduate students participate in the Institute’s Multicultural Mental Health Training Program designed to attract minority students to the mental health field.
Students in the Four Year track take nine Honors courses that examine the nature of human knowledge, ethics, interdisciplinary approaches to the sciences, social sciences, arts and humanities, multiculturalism, and major works and major issues. A Senior Thesis is the culmination of the Honors experience. (Course descriptions appear later in the catalog.) Students also complete six semester hours of English, six semester hours of Mathematics, and five to ten hours of foreign language. Honors students may satisfy the English, Foreign Language, and Math requirements through Advanced Placement, IB, or CLEP (See "Academic Programs and Services" section). Honors College Four Year Track students satisfy USF Exit Requirements. Enrolling in the Honors College Two Year Track does not generally increase academic work-load or the number of credits needed to graduate.

Potential Honors College 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 3.70 high school GPAs and 1270 SAT I or 29 EACT scores. Many scholarships are available for Honors students.

Departmental Honors opportunities are available in some disciplines. Requirements vary according to department, but all require the completion of a Thesis. Students may enroll in both the Honors College and Departmental Honors. Students in both Honors programs are required to complete only one Thesis.

Admission to the Honors College is determined by the University Honors Committee and the Dean 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 College Graduates at Commencement as well as on their diplomas and transcripts.

Honors Faculty
Dean: Stuart Silverman (Instructors for the Honors courses are recruited from among the University’s outstanding teacher-scholars).
MISSION

The School of Architecture and Community Design, founded in 1986, emphasizes architecture and community design proficiency, technical competency, and applied research that constitute thorough preparation for practice, now and into the 21st century. The School seeks to create environments in which students and faculty can:

- Experience and appreciate the poetry of architecture;
- Study the myriad forms of community and human habitat;
- Understand how past designs can inform future possibilities;
- Master the technologies necessary to create a sound, ecological world;
- Develop a vision of what such a world might be;
- And, then assume leadership roles in helping achieve this vision.

Students enrolled in the degree programs, or involved in the School's research center—Florida Center for Community Design and Research—bring with them diverse educational and professional experiences in a variety of disciplines. Together, they create an ambience in which varied aspects of design, planning, development, history, culture, economy, and the environment are explored as one comprehensive entity within a framework provided by one of the world's most comprehensive professions: architecture.

The School nurtures students' creative efforts, intellectual development, and judgement in individual and collective efforts to create the built environment. Students build professional skills and learn to function within a set of ethics consistent with community-based values. In recognition of the university's unique location in one of the Southeast's largest and fastest growing metropolitan areas, the School emphasizes urban architecture and related topics in the professional curriculum, as well as elective opportunities that focus on urban issues.

The School is also dedicated to making the public more aware of the importance of the natural, social, and built environment through active public service grounded in excellent education opportunities.

ARCHITECTURE STUDIES FOR UNDERGRADUATES

The School offers graduate degrees and certificates. In some circumstances, undergraduates can enroll in the Master of Architecture program before completing a baccalaureate degree (see below).

5-year ("2+3") Master of Architecture Program

The 5 year Master of Architecture program involves a total of 172 credit hours of undergraduate and graduate work, leading to the professional Master of Architecture degree. No bachelor's degree is awarded.

Before entering the program, students are to complete a minimum of 60 credit hours of general education and prerequisite courses at a community college (in an associate of arts architecture transfer program), the University of South Florida, or other university.

Students are eligible to apply to the School of Architecture in the semester in which they anticipate completing general education and prerequisites. Assuming that the application is successful, students are admitted into the professional Master of Architecture track that involves 93 to 105 credit hour, depending on preparation. During the first three semesters (42 credit hours) students are admitted on conditional basis and must maintain a GPA of 3.0 and grades of a B minus or better in all required architecture courses. Students shall be required to take the GRE at the end of the first three semesters and shall have a total verbal plus quantitative GRE General Test score of 1000 or higher.

Also note that "5 year+" students are classified as "undergraduates" for the first 120 credit hours of coursework and as "graduate students" for the remaining 46 to 52 credit hours. Students are generally admitted into the Fall Semester. The first three semesters (Fall, Spring and Summer) involve full time study (15-16 hours per semester).

In order to enroll in the program, students must be accepted for admission into the University of South Florida. However, admission to the "5 year" program is a separate process from admissions to the university. The procedure consists of completing the "5 Year Master of Architecture" application form and returning it with the required materials to the School of Architecture.

For more information, visit www.arch.usf.edu, e-mail information@arch.usf.edu, or call 813-974-4031.

Accelerated entry into M. Arch

The School encourages other upper level students to enroll in numerous current graduate level courses as electives within their individual majors. The School also offers "ARC 4784 The City" as an approved Exit Course and ARC 2001 "Introduction to Architecture" and ARC 2131 "Introduction to Architectural Design and Graphics" as approved General Education courses.

These courses provide broad awareness and understanding of history, theory and technology associated with the profession's focus on urban built environments, as well as introductory architectural design and graphic skills. Credits earned in these graduate level courses on a non-degree seeking basis can be applied later toward advanced standing in the USF Master of Architecture curriculum by those students who meet the School's admission standards.

Bachelor of Arts in Liberal Studies Program

The USF Bachelor of Arts degree in Liberal Studies (Architecture tracks) offers an accelerated entry track into the graduate professional architecture program. Students in this degree program, co-sponsored with the College of Arts and Sciences, begin taking graduate architecture classes as part of the undergraduate courses of study. Successful completion of architecture courses enables students to enter the Master of Architecture program with significant advanced standing.

RESEARCH AND OTHER ACTIVITIES

Florida Center for Community Design and Research

The Florida Center is a non-profit public service institute of the School of Architecture and Community Design. It was founded in 1986 to assist the citizens of Florida in the creation of more livable and sustainable communities through applied community design, multi-disciplinary research, and public education. The diverse staff includes architecture faculty and students, research scientists, and programmer analysts. In addition, the Center has affiliated faculty or graduate students from the Department of Anthropology, Biology, Fine Arts, Geography, and Social Work.

Lectures/Exhibits: Throughout the year, nationally and internationally known architects, planner, landscape architects, and others participate in the School's lecture series. The School also exhibits outstanding work of students, alumni/ae, and professionals at galleries at USF and elsewhere in Tampa.

Student Groups: Students at USF have access to a wide range of activities within the School of Architecture and Community Design and elsewhere in the university and community. At the School, one may join the American Institute of Architects Students (AIA) and the Architecture College Council. Students participate in a wide range of school governance committees and task forces.

Study Abroad: The School sponsors summer study abroad programs in London, Spain and other locations.
Accreditation and Licensure: Applicants for architectural licensure in Florida, and most jurisdictions in the United States, normally must have:

- earned a professional degree from a School accredited by the National Architectural Accrediting Board (NAAB)
- completed the Intern Development Program (IDP)
- passed the Architect Registration Examination (ARE)

According to the 1998 edition of the NAAB Conditions and Procedures:

“In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognized two types of degrees: The Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.”

The Master of Architecture program at USF is fully accredited.
The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essences of education are a capacity for and an appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a sense of love for learning, and an understanding of the means which scholars have used in their search for beauty and order in the natural world.

The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs. The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe.

Great universities provide direction for their communities and service to their needs. The faculty of the Arts and Sciences as well as the staff, who support and encourage their work, explore their scholarly interests within the home and community created by the academic society. It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embrace disciplines that strive to make immediate use of knowledge in the service of society goals as well as disciplines whose discoveries contribute to the fund of basic information which is the stepping stone of applied knowledge.

General Information
The College of Arts and Sciences Dean's Office is located in Cooper Hall (CPR), Room 107. For additional information about the College, visit our web site at http://www.cas.usf.edu. Information regarding advising, admission to the College, graduation requirements, special programs, and departments follows.

Community Initiative
Universities have become major actors in today's knowledge-based society. As such they can no longer remain secluded ivory towers, removed from the social problems that surround them. Recognizing this, the College of Arts and Sciences launched the Community Initiative, a new focus that identifies the community outside the university as an integral part of its educational mission to acquire, disseminate, and apply knowledge. The Community Initiative develops concrete and integrated efforts to link the teaching, research, and service components of our College with the interests and needs of residential, community-based organizations and businesses in the local area. Two major components of the Community Initiative are the Urban Studies Certificate Program and the Community Experiential Learning (CEL) Program. The Urban Studies Certificate gives students the opportunity to supplement their education and training with a focus on the urban world around them. Through the Community Experiential Learning (CEL) Program students can explore the relationship between their classroom learning and the broader community as they do community-based independent research or internships.

CASMAR
To assure that our undergraduate students' needs are being met in every aspect of their academic career, the College of Arts and Sciences continues to focus on strategies to aid in increased retention and continued success of our students from orientation through graduation. One such effort is the creation of CASMAR (College of Arts and Sciences Mentor and Retain), a program that uses trained mentors to shadow students and serve as a resource to them in order to assure that they are provided with the proper resources they need. Assistance is offered with academic advising, career development, tutoring and study skills strategies, as well as personal development. For more information about CASMAR, check the CAS website or call (813) 974-6957 or send an email to casmar@chuma1.cas.usf.edu.

Undergraduate Advising Information
The Arts and Sciences Office of Graduate and Undergraduate Studies, located in the Behavioral Science Building (BEH), Room 201, handles all student-related academic matters for 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 Graduate and Undergraduate Studies, Behavioral Science Building (BEH), Room 201, (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) 553-1511.

Pasco-Hernando Initiative: USF classes at PHCC (for Interdisciplinary Social Science majors): (727) 553-1511.

Office Hours
The Arts and Sciences Office of Graduate and Undergraduate Studies is open 8 a.m. to 5 p.m. Monday through Friday. Academic advisors and major departments should be contacted directly to obtain information about office hours and appointment availability. Students are also encouraged to utilize the College's on-line advising information located at http://www.cas.usf.edu.

Science Advising Center
The Science Advising Center is located in the Behavioral Sciences Building (BEH), room 339, and provides a complete range of advising and informational services to Biology, Chemistry, Geology, Physics, Interdisciplinary Natural Sciences, and Medical Technology majors. In addition, the Center provides a wide range of services to health professions students preparing for admissions to professional schools of medicine, dentistry, veterinary medicine, chiropractic medicine, podiatry, optometry, pharmacy, physician assistant, physical therapy and other health related fields. These services include advising, workshops on application to professional schools, maintenance of evaluation files for professional school applicants, and coordination of health professions student organizations. Center advisors are prepared to assist students with planning their academic programs and with incorporating career enhancement opportunities into their educational experience. The Center maintains a library of resource materials related to post-baccalaureate degree schools and programs, and 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 Graduate and Undergraduate Studies (BEH 201) 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 Graduate and Undergraduate Studies, University of South Florida, Tampa, Florida 33620 or visit our web site at http://www.cas.usf.edu.

**General Requirements for B.A./B.S./B.S.W. Degree**

**Within the College of Arts and Sciences**

The College of Arts and Sciences offers three undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. The Bachelor of Independent Studies is an external degree program in which the student proceeds at his/her own pace.

**IT IS EACH STUDENT’S RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS:**

1. Complete at least 120 accepted semester hours with an overall gpa of 2.000. Mass Communications requires 124 hours for the 1987-88 catalog and after.
2. Maintain an overall major gpa of 2.000. Note: In English and 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
   - 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. When double majoring a maximum of 2 courses or 8 hours may be used to satisfy requirements between majors.
9. Maximum of 20 hours of S/U option. S/U contracts must be negotiated in 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.
10. The Audit option is available only during the first 5 days of classes; none permitted later.
11. Complete at least 9 semester hours during summer terms if entering USF with fewer than 60 semester hours.
12. “D” grades are not acceptable in the major and supporting sciences for all natural sciences majors. “D” grades are not acceptable for the major area in Communication, Communication Sciences and Disorders, English, History, Humanities, Mass Communications, Psychology, Social Work, and Sociology. Only one "D" is allowed in the major for Criminology. (Important! All grades including “D”s and “F”s are used to calculate gpa’s for students in the College of Arts and Sciences.)
13. Complete all major course requirements.
14. 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.
15. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement.
16. 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 outside of the major department.
17. Students must satisfy CLAST (College Level Academic Skills Test).
18. 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 BEH 201 during the 1st to the 4th week of the semester in which you plan to graduate. Applications are not accepted late.

**THE DEPARTMENTAL MINOR**

Minors generally require half as many hours as required for the major. In order to help students develop some concentration in elective work taken in conjunction with their chosen major, the College of Arts and Sciences offers minors in the following: Africana Studies, American Studies, Anthropology, Chemistry, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Environmental Science and Policy, Foreign Languages, Geography, Geology, Gerontology, History, Humanities, International Studies, Linguistics, Mass Communications, Mathematics, Philosophy, Physics, Political Science, Psychology, Religious Studies, Sociology, and Women’s Studies.

Certain restrictions apply to students earning a minor: (a) students may not use courses in the major for the minor; and (b) ISS majors may not earn a minor in any of the cognate areas incorporated in their contracts. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under “Departments and Programs.”
Baccalaureate-Level Degree Programs

The departments and programs in the College of Arts and Sciences include Africana Studies, American Studies, Anthropology, Biology, Chemistry, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Environmental Science and Policy, Geography, Geology, Gerontology, History, Humanities, Independent Studies, Interdisciplinary Social Sciences, International Studies, Liberal Studies, Mass Communications, Mathematics, Medical Technology, Languages and Linguistics, Philosophy, Physics, Political Science, Psychology, Public Administration, Rehabilitation Counseling, Religious Studies, Social Work, Sociology, and Women’s Studies. The College of Arts and Sciences offers 53 major fields of study as described in the following pages. In addition to the departmental majors, interdisciplinary majors are offered. Economics offers two majors, one in the College of Arts and Sciences and the other in the College of Business Administration.

BACHELOR OF ARTS
Africana Studies (AFA)
Anthropology (ANT)
Chemistry (CHM)
Communication (SPE)
Communication Sciences and Disorders
Deaf Studies Concentration (DST)
Interpreter Training Concentration (ITT)
Speech-Hearing-Language Concentration (LSH)
Criminology (CCJ)
Economics (ECO)
English
Creative Writing Concentration (CRW)
English and American Literature (LIT)
Professional and Technical Writing (CWT)
Geography (GPY)
Geology (GLY)
Gerontology (GEY)
Government and International Affairs
International Studies (INT)
Political Science (POL)
History (HTY)
Humanities and American Studies
African American Studies (AMS)
Humanities (HUM)
Interdisciplinary Social Sciences (ISS)
Liberal Studies (ALA)
Mass Communications
Advertising Concentration (ADV)
Journalism/Magazine Production Concentration (MAG)
News Concentration (NWS)
News Editorial Concentration (JOU)
Programming and Production Concentration (PGM)
Public Relations Concentration (PUR)
Visual Communications Concentration (VIC)
Mathematics (MTH)
Philosophy (PHI)
Physics (PHY)
Psychology (PSY)
Religious Studies (REL)
Sociology (SOC)
Women’s Studies (WST)
World Language Education
Classics (CLS)
French (FRE)
German (GER)
Interdisciplinary Classical Civilizations (ICC)
Italian (ITA)
Russian (RUS)
Spanish (SPA)

BACHELOR OF SCIENCE
Biology (BIO)
Chemistry (CHS)
Environmental Science and Policy (ESP)
Geology (GLS)
Gerontology (GES)
Interdisciplinary Natural Sciences (INS)
Health Professions Track (INH)
Medical Technology (MET)
Microbiology (MIC) - housed in Biology
Physics (PHS)

BACHELOR OF SOCIAL WORK (B.S.W.)
Social Work (SOK)

BACHELOR OF INDEPENDENT STUDIES (B.I.S.)
Independent Studies (BIS)

Honors Programs

Faculty and selected students in the college participate in the University Honors Program. In addition, the College of Arts and Sciences offers undergraduate honors programs in Anthropology, Biology, Classics, Communication, Communication Sciences and Disorders, English, Geology, Mathematics, Philosophy, Political Science, Psychology, and Sociology. Students interested in one of these honors programs should consult the appropriate department for further information.

Special Programs

COMMUNITY EXPERIENTIAL LEARNING PROGRAM

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in CEL anytime during their academic career. Good standing at the university and a 2.0 gpa is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally, students should plan their CEL projects during the term prior to their implementation, but they can be added at any time during the term. Information may be obtained from Robin Jones, BEH 201, (813) 974-8452.

CERTIFICATES OF CONCENTRATION

Certificate Programs

The Certificate of Concentration is a short-term program for students who are interested in taking a series of courses in a selected area of Arts and Sciences, but are not necessarily interested in a degree. A minimum of 16 hours of approved course work are required. Students working for a Certificate of Concentration may register as non-degree or as degree-seeking students.

CERTIFICATE IN ASIAN STUDIES

The certificate in Asian Studies is designed for majors in any field who wish to gain a broad knowledge of a world area that is of unique importance.

Requirements for the Certificate in Asian Studies:
1. 18 semester hours from the courses listed below.
2. At least two courses must be from Group A and at least two courses must be from Group B. (Other relevant courses may be substituted with the approval of the program advisor.)
3. Students must declare their intention to be awarded the certificate by notifying the program advisor at least one full semester prior to graduation.
4. Students who fail to achieve a cumulative 2.5 GPA or higher in the program will be denied the certificate.

Courses credited toward the Asian Studies Certificate:

**Group A**

Art:
- ARH 4530 (4)  ARH 4796 (4)

Humanities:
- HUM 3271 (4)  HUM 3273 (4)  HUM 4402 (4)
- HUM 4404 (4)  HUM 4405 (4)

Languages:
- CHI 1120 (4)  CHI 1121 (4)  CHI 2200 (4)
- CHI 2201 (4)  CHI 4905 (1-5)  CHI 4930 (1-5)
- JPN 1120 (4)  JPN 1121 (4)  JPN 2000 (3)
- JPN 2201 (3)  JPN 4905 (1-5)  JPN 4930 (1-5)

Religion:
- REL 3330 (3)  REL 4343 (4)  REL 3350 (3)
- REL 4333 (4)  REL 4344 (4)

**Group B**

Geography:
- GEA 3194 (4)*

History:
- ASH 3404 (4)  ASH 3501 (4)

Int'l Studies:
- ASN 3012 (3)  ASN 3014 (3)  ASN 3105 (3)
- INR 4900 (1-3)*  INR 4910 (1-3)*  INR 4931 (1-4)*

Political Science:
- CPO 4930 (3)*  CPO 5934 (3)  INR 5086 (3)

* with approval by the Advisor for the Certificate in Asian Studies

The advisor for the Certificate in Asian Studies is Professor Dajin Peng. He may be contacted at SOC 373, 813-974-3787.

**CERTIFICATE IN ITALIAN STUDIES**

The College of Arts and Sciences and the College of Fine Arts offer a certificate in Italian Studies. The study of the geographic expression that today we call Italy is the sum of many particular histories and cultures. Yet, in their diversity and diaspora, the people of Italy have preserved, through time and place, a sense of common identity. For this reason, to understand the complexity of past and present experiences of Italians in the peninsula and of their descendants abroad, the Undergraduate Certificate in Italian Studies is designed with a broad interdisciplinary perspective.

The certificate will encompass courses in several departments in two colleges. The majority of courses will focus on the study of history and culture of the people who inhabit or originated from the Italian peninsula and on Sicily from pre-historic times to the present. In addition, however, offerings will also focus on the Italian diaspora with specific reference to the experiences of people of Italian descent in the many nations in which they settled from the early 19th century to the present.

Students are required to take between 23 and 28 semester hours from a list of courses approved for the certificate. A Faculty Advisory Committee will coordinate the Certificate of Italian Studies. Students may receive credit for courses, not included in the above list, or (if circumstances require it) may substitute a required course with another, by petitioning and if approved by the Advisory Committee.

Study Abroad: Students in the Italian Studies Certificate program are strongly encouraged to study abroad for the summer, a semester or a year in the USF in Italy program or in any other accredited program. The Advisory Committee will determine which courses taken as part of the overseas experience will count toward fulfilling the requirements for the certificate.

For additional information, send a message to Dr. Domenic Ierardo or Dr. Fraser Ottanelli, Coordinators of the Certificate in Italian Studies at itastudies@chuma.cas.usf.edu.

**NOTE:** Students may apply a maximum of sixteen credits in the same department toward fulfilling the requirements for the certificate.

I. **Language Requirement:**

Students must demonstrate proficiency in Italian or complete the two semesters of language courses chosen from the following courses:
- ITA 1120 Beginning Italian I
- ITA 1121 Beginning Italian II
- ITA 2200 Intermediate Italian I
- ITA 2240 Intermediate Italian II
- ITA 2241 Intermediate Italian II
- ITA 3420 Composition
- LAT 1120 Beginning Latin I

II. **Core Courses:**

Each student will take three courses from the following list. However only one course will be allowed from each department.
- ARH 4301 Renaissance Art
- ITW 4100 Survey of Italian Literature I
- ITW 4101 Survey of Italian Literature II
- HIS 3930 Renaissance Society
- HIS 3930 The Italian Diaspora
- HUM 4437 Italian Renaissance Culture

III. **Elective Courses:**

Students will take 6-8 credits of elective courses chosen from the following list:
- Anthropology: ANT 4143 European Archeology
- ANT 4930 Mediterranean Archeology
- Art History: ARH 4796 The Renaissance Book [instructor’s consent]
- ARH 4318 Venetian Art [instructor’s consent]
- English: LIT 4930 Italian Cinema
- Government and International Affairs: POT 4936 Selected Topics in Political Theory
- History: EEU 3412 Roman Republic
- EEU 3413 Roman Empire
- HIS 3930 The Italian Diaspora
- HIS 3930 The Italian-American Experience
- HIS 3930 The Rise of Rome
- HIS 3930 The Punic Wars
- HIS 3930 The Roman Revolution
- HIS 3930 Renaissance Society
- HIS 3930 Women and Men in Early Modern Europe
- Humanities: HUM 4437 Italian Renaissance Culture
- HUM 4930 Italian Film and Music—Fellini and Rota
- HUM 4930 Neo-Realism and the New Wave: Post World War II French and Italian Film

World Language Education:
- CLA 3123 Roman Civilization
- CLT 3102 Roman Literature in Translation
- ITA 1120 Beginning Italian I
- ITA 1121 Beginning Italian II
- ITA 2200 Intermediate Italian I
- ITA 2240 Intermediate Italian II
- ITA 2241 Intermediate Italian II
- ITA 3420 Composition
- ITA 3470 Overseas Study
- ITW 4100 Survey of Italian Literature I
CERTIFICATE IN LATIN AMERICAN AND CARIBBEAN STUDIES

The College of Arts and Sciences offers a Certificate in Latin American and Caribbean Studies for students who wish to gain an intensive multi-disciplinary understanding of this important area. This certificate is designed for students who want to learn more about the region and have that knowledge formally recognized in their academic record.

The Certificate is granted to a person who takes a minimum of 15 semester hours of courses about Latin America and the Caribbean. One course must be taken in each of four areas: 1) Anthropology, 2) Geography/Government & International Studies, 3) History, and 4) Art/Humanities/Literature. A fifth course may be taken from a list of other courses or from one of the four core areas.

Students must also demonstrate proficiency in a Latin American or Caribbean language or have two semesters of relevant foreign language courses.

Study abroad programs are encouraged and will be credited toward the Certificate.

The following courses are a sample of courses offered that fulfill the certificate requirements. However, these should be considered as a partial list only. The student is strongly encouraged to review the Schedule of Classes each semester for current course offerings.

1) Anthropology
   ANT 4162 South American Archaeology
   ANT 4163 Mesoamerican Archaeology
   ANT 4340 The Caribbean
   ANT 4324 Mexico and Central America
   ANT 4930 Caribbean Popular Culture

2) Geography/Government & International Affairs
   CPO 4930 Latin American Politics
   CPO 5934 Selected Topics: Latin America
   INR 4931 Americas (TV)
   INR 4931 Latin America through Film
   LAS 3002 Latin America

3) History
   AMH 3421 Early Florida
   LAH 2020 Latin American Civilization
   LAH 2734 Latin American History in Film
   LAH 3130 Colonial Latin America
   LAH 3200 Modern Latin America
   LAH 3430 History of Mexico
   LAH 3470 History of the Caribbean
   LAH 3930 US/Latin American Relations
   HIS 3930 History of Brazil
   HIS 3930 Inter-American Relations
   HIS 3930 Modern Central America
   HIS 3930 Revolutions in Latin America
   HIS 3930 Andean History
   HIS 4936 Latinos in the United States

4) Art/Humanities/Literature
   ARH 4930 Latin American Art History
   HUM 4464 Latin American Culture Since 1492
   HUM 6465 Latin American Arts & Letters
   SPN 3440 Spanish for Business
   SPN 3520 Spanish American Civilization
   SPN 3930 Latin Writers
   SPN 5135 Colonial Spanish American Literature
   SPN 5525 Modern Spanish American Literature
   SPT 2524 Women Writers of Latin America
   SWP 3030 Introduction to Hispanic Literature
   SWP 4131 Survey of Spanish American Literature
   SYG 3235 Latina Lives

THE 4434 Caribbean Theatre
WST 5934 Latin American Feminism

5) Others
   ISS 5934 Seminar Latin American Caribbean and Latino Studies
   REL 3375 Issues in Caribbean Religions

See also: Sociology, Economics, Study Abroad.

The student and the Coordinator will plan the individual course of study, which requires between 21 and 24 semester hours. Students must declare their intentionality 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 coursework is required. Please contact Professor Georg H. Kleine at SOC 274, (813) 974-2888, or by e-mail: kleine@chuma1.cas.usf.edu.

1) Language Requirement
   Students will enroll in two additional semesters of the foreign language they have taken in fulfillment of the College of Arts and Sciences language requirement.

2) Core Courses (9-10)
   Students will take a total of three courses from the following; one of them must be either EUS 3000 or GEA 3500.
   - EUS 3000 Europe
   - GEA 3500 Geography of Europe
   - EUH 3206 History of Twentieth Century Europe
   - HUM 3251 Studies in Culture: The Twentieth Century
   - LIT 3144 Modern European Novel
   - PHM 4331 Modern Political Philosophy

3) Elective Courses (6-8)
   A. Overseas Experience
      Students should make Western European study and travel an important component of their academic work. They are required to enroll for at least 3 elective credit hours in courses that involve Western European study and travel. These may be taken in one of three ways:
      1. as IDS 4955 (Off-Campus Term International Program),
      2. as one or two of the courses listed below as Elective Courses, or
      3. as part of overseas study courses offered by other USF colleges and other programs.

   *Elective courses under options (2) and (3) will be chosen in consultation with the Coordinator and an Advisory Committee.

   Western European study and travel allows students to concentrate on one of the areas of electives. Students may want to use overseas experience credits to fulfill their summer enrollment requirement. A structured alternative experience in the United States may be substituted for the Overseas Experience. The Certificate accepts IDS 4943 (Off-Campus Term Special Project) or any of the courses listed below as Elective Courses for credit for this requirement. Coordinator, Advisory Committee and student will tailor the experience to fit the student’s individual needs.

   - LIS 3030 Spanish for Business
   - LIT 3144 Modern European Novel
   - PHM 4331 Modern Political Philosophy
### 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 3206 History of 20th Century Europe
- EUH 3461 German History to 1870
- EUH 3462 German History 1870 to Present
- EUH 3501 British History to 1688
- EUH 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 of 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)

#### FRENCH
- FRE 3230 Reading in French Literature and Culture
- FRE 3440 French for Business
- FRE 3500 French Civilization
- FRW 4100 Introduction to French Novel
- FRW 4101 Introduction to French Drama and Poetry
- FRE 4905 Directed Study
- FRE 4930 Selected Topics

#### GERMAN
- GER 3500 German Civilization
- GET 3100 German Literature in English
- GEW 4100 Survey of German Literature I
- GEW 4101 Survey of German Literature II
- GEW 4900 Directed Study
- GEW 4930 Selected Topics

#### ITALIAN
- ITW 4100 Survey of Italian Literature I
- ITW 4101 Survey of Italian Literature II
- ITW 4905 Directed Study

#### SPANISH
- SPN 3440 Spanish for Business

#### G. Philosophy (3)
- PHH 3420 History of Philosophy
- PHH 4440 Continental Philosophy
- PHM 4331 Modern Political Philosophy
- PHP 3766 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:
- LIN 4930 Selected Topics in Linguistics* (1-3)
- RUS 2200 Russian III (4)
- RUS 2201 Russian IV (4)
- RUS 3240 Conversation I (4)
- RUS 3500 Russian Civilization (3)
- RUS 4241 Conversation II (4)
- RUT 3110 Russian Classics in Translation (3)
- RUT 3111 Twentieth Century Russian Literature in Translation (3)
- 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 2002 Introduction to Comparative Politics (3)
- CPO 4930 Comparative Government and Politics* (3)
- ECO 4323 Radical Political Economy (3)
- ECO 4935 Russian Political Economy (3)
- EUH 3574 Russian History to 1865 (4)
- EUH 3576 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 Russia Eurasia (4)
- INR 5086 Issues in International Relations (3)
- INR 3018 World Ideologies (3)
- INR 3770 Comparative Military Systems (3)
- INR 4900 Directed Readings* (1-4)
- INR 4910 Directed Research* (1-4)
- INR 3955 Overseas Study* (1-6)
- INR 4931 Selected Topics* (1-4)
- PHP 4788 The Philosophy of Marxism (3)

*When topic is defined as Russian or directly related area.
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)
ARC 4784 The City (3)
ECP 3613 Economics of the Urban Environment (3)
GEO 3602 Urban Geography (3)
ISS 3930 Community Studies (3)
ISS 4162 City and Urbanization (3)
POS 3142 Introduction to Urban Politics and Government (3)
SYD 4410 Urban Sociology or (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 4350 Social Networks (3)
ECO 4935 Economics Statistics (3)
POS 3713 Empirical Political Analysis (3)
STA 2122 Social Science Statistics (3)
SYA 3300 Research Methods (3)
SYA 3310 Qualitative Inquiry (3)
GEO 3164C Quantitative Methods (3)
GEO 4100C Cartography (3)
GEO 4114C Geographic Techniques and Methodology (4)
GEO 4151C Geographic Information Systems (4)
GEO 3164C Quantitative Methods (4)
Courses may have prerequisites within the discipline.

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

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

Anthropology
ANT 4316 Ethnic Diversity in the U.S. (3)
ANT 4462 Health, Illness and Culture (3)
ANT 4705 Applied Anthropology (3)

ANT 4930 Special Topics in Anthropology (3)

Communication
SPC 3712 Communication and Cultural Diversity (3)
SPC 4714 Communication, Culture and Community (3)

Civil and Environmental Engineering
CES 4000 Structures and Urban Environments for Non-Engineers (3)
TTE 5501 Transportation Planning and Economics (3)

Criminology
CCJ 3003 Crime and Justice in America (4)
CCJ 3024 Survey of the Criminal Justice System (3)
CCJ 3610 Theories of Criminal Behavior (3)
CCJ 3621 Patterns of Criminal Behavior (3)
CCJ 4110 American Law Enforcement Systems (3)
CCJ 4501 Juvenile Justice System (3)
CCJ 4511 Police and Juvenile Delinquency (3)
CCJ 4550 Developmental Aspects of Juvenile Delinquency (3)
CCJ 4652 Juvenile Substance Use (3)

Economics
ECO 4323 Radical Political Economy (3)
ECO 4504 Public Finance (3)
ECP 3201 Economics of Women and Work (3)
ECP 3203 Labor Economics (3)
ECP 3302 Environmental Economics (3)
ECP 3530 Economics of Health (3)
ECO 4935 Economics of Crime (3)

Geography
GEO 4502 Economic Geography (4)
GEO 4604 Advanced Urban Geography (4)
GEO 4700 Transportation Geography (4)
URP 4052 Urban and Regional Planning (4)

Gerontology
GEY 3606 Community Services for Older Adults (3)

History
AMH 3423 Modern Florida (4)
AMH 3500 American Labor History (4)
AMH 3530 Immigration History (4)
AMH 3572 African American History since 1865 (3)
HIS 3930 Special Topics: The City in History (3)
HIS 3930 Special Topics: The History of 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
PAP 3003 Introduction to Public Administration (3)
PAP 4204 Public Financial Administration (3)
PAP 5333 Concepts & Issues in Public Planning (3)
PAP 5807 Administration of Urban Affairs (3)

Social Work
SOW 3203 The American Social Welfare System (3)

Sociology
SYO 3120 Sociology of Families (3)
SYO 3530 Social Stratification (3)
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 4942 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 jones@chuma1.cas.usf.edu. The Office is located in BEH 201.

Health Professions

The University of South Florida is an excellent location to prepare for a career in the health professions. The Veterans Administration Hospital, University of South Florida Medical Center, 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, chiropractic medicine, dentistry, optometry, podiatry, veterinary medicine, pharmacy, physician assistant, and physical therapy. Most of these professions require four years of preprofessional preparation followed by four years of training in a professional school. A few well-prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of preprofessional work. The preprofessional programs do not meet requirements for a degree; therefore, students must choose a major in addition to fulfilling their pre-professional requirements. Most preprofessional students major in the sciences because of the considerable overlap between the preprofessional curriculum and the degree requirements for majors in the biology and chemistry departments. Entrance into all professional schools or programs is competitive, and students should begin establishing a record of excellence with the first semester at USF. Furthermore, it is essential that students pursue courses developing a sense of understanding of cultural and humane values as well as basic social problems. Students should also have some clinical and/or volunteer experience related to the medical field.

The College of Arts and Sciences provides academic advising in the Science Advising Center (BEH 339). The Office maintains a library of current catalogs and books on admission requirements for professional schools and is an important resource center for preprofessional students. Students considering one of the health professions should contact the College of Arts and Sciences during the first semester at USF to declare their interest in a health professions program. Students are then assigned to the Science Advising Center for curriculum planning. At the time of application to professional schools, students are provided information about admission tests and the application process, and they are assisted in the process of obtaining recommendations. For additional information, go to http://www.cas.usf.edu/sac/.

Requirements for Health Professions Schools

These courses prepare students for admission to professional schools of chiropractic medicine, dentistry, medicine, osteopathic medicine, podiatric medicine, optometry, veterinary medicine, and pharmacy. All of these professional schools have in common the following course requirements, which should be completed by the end of the junior year, the usual time of application:

- Biology
  - BSC 2010, 2010L Biology I: Cellular Processes (3,1)
  - BSC 2011, 2011L Biology II: Diversity (3,1)

- Chemistry
  - CHM 2045, 2045L General Chemistry I (3,1)
  - CHM 2046, 2046L General Chemistry II (3,1)
  - CHM 2210, 2210L Organic Chemistry I (3,2)
  - CHM 2211, 2211L Organic Chemistry II (3,2)

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

In addition to these requirements it is generally expected that preprofessional students will complete two semesters of English and mathematics appropriate for their degree. Some schools require calculus and some require one or two courses in biochemistry. CLEP credit usually is not accepted by professional schools, and some schools do not accept AP or IB credits. Students should check with the school of their choice regarding credit.

Specific Requirements for Chiropractic School

In addition to completing the basic preprofessional requirements listed under Requirements for Health Professions Schools, students should check requirements of individual schools, which may include courses such as speech and psychology. Although some chiropractic schools may require only 90 semester hours for admission, the state of Florida requires that students have earned a bachelor's degree prior to beginning chiropractic studies in order to be licensed.

Specific Requirements for Dental School

Most dental schools require the courses listed under Requirements for Health Professions Schools. The University of Florida and Nova Southeastern have the following required and recommended courses. However, students are encouraged to check with individual schools regarding specific admission requirements.

Required by University of Florida and strongly recommended by Nova Southeastern:
- BCH 3023 Introductory Biochemistry (3)
- PCB 5235 Principles of Immunology (3)

Strongly Recommended:
- Business management
- Speech/communication

Additionally, the University of Florida requires and recommends:
- Required:
  - MBC 3030C General Microbiology (4)
  - PCB 3063, 3063L General Genetics (3,1)
  - Developmental Psychology

Strongly Recommended:
- MAC 2241 OR MAC 2311 Calculus (4)
Specific Requirements for Medical School (including Osteopathic and Podiatric schools)

The basic requirements for medical schools are the courses listed under Requirements for Health Professions Schools. In addition, the following courses are required and/or strongly recommended. Students should check individual schools for additional requirements.

Required by Florida State University and University of Florida; recommended by University of Miami
BCH 3023, 3023L Introductory Biochemistry (3,2)

Required by Florida State University
CHS 4300 Fundamentals of Clinical Chemistry (3)

Strongly recommended by University of South Florida
MAC 2241 Life Sciences Calculus I (4)
or
MAC 2281 Engineering Calculus (4)
or
MAC 2311 Calculus I (4)

Specific Requirements for Optometry School

Optometry schools differ somewhat in their admissions requirements. In addition to the common list of courses under Requirements for Health Professions Schools, most schools require the following courses:

Biology
MCB 3030C General Microbiology (4)

Mathematics
MAC 2241 Life Science Calculus I (4)
STA 2023 OR STA 2122 Statistics (4,3)

Psychology
PSY 2012 Psychological Science I (3)

Students should check requirements of individual schools and complete requirements for those schools where they plan to apply for admission.

Specific Requirements for Veterinary School

The University of Florida College of Veterinary Medicine is the only veterinary school in the state. Admission into veterinary school is highly selective, and to be competitive students should obtain experience working with animals, preferably through employment with a veterinarian. Pre-veterinary students should complete a degree in the major of their choice while including the above classes and:

Biology
MCB 3030C General Microbiology (4)
PCB 3063, 3063L General Genetics (3,1)

Chemistry
BCH 3023 Introductory Biochemistry (3)

Mathematics
STA 2023 Introductory Statistics (4)
and
MAC 2241 AND MAC 2242 Life Sciences Calculus I and II (4,4)
or
MAC 2311 Calculus I (4)

In addition, students must have a minimum of 80 hours, including 6 hours of English, 6 hours of social science, and 9 hours of humanities. Students are also required to take two courses in animal science which are offered only at University of Florida (e.g., Introduction to Animal Science and Animal Nutrition). Students usually take these in the summer before beginning veterinary school; these 8 hours can be counted in the 80.

Specific Requirements for Pharmacy School

Most pharmacy schools require a minimum of 60 semester hours and the basic science courses listed under Requirements for Health Professions Schools. In addition, specific courses in microbiology, biochemistry, anatomy and physiology, speech, computer literacy, economics, humanities, and social sciences are required or recommended. Due to the variations in admission requirements among the pharmacy schools, students should check with the school of their choice.

Specific Requirements for Physician Assistant School

Physician assistant schools have slightly different requirements from other health profession schools. All physician assistant schools require or strongly recommend the following courses:

Biology
BSC 2093* Human Anatomy and Physiology I (3)
BSC 2094 Human Anatomy and Physiology II (3)
MCB 3030C General Microbiology (4)

Chemistry
CHM 2045, 2045L General Chemistry I (3,1)
CHM 2046, 2046L General Chemistry II (3,1)
CHM 2210 Organic Chemistry I (3)
OR
BCH 3023* Introductory Biochemistry (3)

*Note: At USF, BSC 2093 and BCH 3023 have prerequisites that are not always required by the physician assistant programs. See the course descriptions for more information. Some programs may also require Anatomy labs (not offered at USF).

In addition, Biology I and II (BSC 2010 and 2011) are also required by some physician assistant programs. Many schools require the second semester of organic chemistry, an additional upper-level course in biology, courses in psychology and/or sociology, public speaking (SPC 2600), at least one math course (MAC 1105 and STA 2023 are often recommended), and a course in medical terminology (CLT 3040 or HSC 4933). Students should always check with the schools they are interested in to ensure the completion of all requirements for those schools. Visit the Science Advising Center’s web site (http://www.cas.usf.edu/sac/) for links to the physician assistant schools and their admissions requirements.
### Specific Requirements for Physical Therapy School

Physical Therapy programs in the State of Florida have the following requirements:

<table>
<thead>
<tr>
<th>Biology</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<tr>
<td>BSC 2093</td>
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<td>BSC 2084</td>
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<td>OR</td>
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<tr>
<td>BSC 2010, 2010L</td>
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<tr>
<td>BSC 2011, 2011L</td>
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Human Physiology with Lab *(not offered at USF)*

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<tr>
<th>Chemistry</th>
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<table>
<thead>
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<th>Mathematics</th>
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<th>Physics</th>
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<td>PHY 2054, PHY 2054L</td>
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<tr>
<th>Psychology</th>
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<tr>
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<td>DEP 2004</td>
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### Requirements for B.S. Degree for Early Admission Students

Early admission to professional school is exceptional with today’s competitive applicant pool; however, a few students may be admitted prior to completion of the bachelor’s degree through special programs such as the University Honors Program.

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

Students planning on early admission should begin studies at a 4-year institution as professional schools require at least 1 year of study at a university prior to application. Depending upon the professional school, additional science courses may be required or strongly recommended as indicated in the preceding sections. Exposure to a health profession is also strongly recommended.

Students who are admitted to an accredited U.S. medical or dental school after completing their junior year at the University of South Florida may be awarded the B.S. degree in Interdisciplinary Natural Sciences from the College of Arts and Sciences subject to the following conditions:

1. Transfer of a minimum of 30 semester hours of science courses from an accredited medical or dental school.
2. Completion of a minimum of 90 semester hours of credit with a minimum grade point average of 2.0 prior to transfer to the medical or dental school.
3. Completion of the following courses with at least a C- in each course:

<table>
<thead>
<tr>
<th>Biology</th>
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<tbody>
<tr>
<td>BSC 2010, 2010L</td>
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<tr>
<td>BSC 2011, 2011L</td>
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<tr>
<td>MCB 3030C</td>
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</table>

*Plus two of the following biology courses, including at least one with a laboratory (minimum 7 semester hours):*  

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PCB 3023, 3023L</td>
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<tr>
<td>PCB 3063, 3063L</td>
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<td>MCB 4502</td>
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<td>MCB 4115</td>
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<td>MCB 5815</td>
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<td>PCB 4064</td>
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<td>PCB 4723</td>
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<td>PCB 5235</td>
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<td>ZOO 4603</td>
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<td>ZOO 4753C</td>
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<td>PHY 2054, PHY 2054L</td>
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### Psychology

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<td>ZOO 4753C</td>
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### Requirements for Secondary School Teachers

- **TEACHER EDUCATION PROGRAMS**
  - The College of Arts and Sciences offers B.A. and M.A. degree programs for secondary school teachers.
  - The M.A. degree for junior college teachers.

- **B.S. DEGREE PROGRAMS FOR SECONDARY SCHOOL TEACHERS**
  - The College of Arts and Sciences in cooperation with the College of Education offers degree programs in Mathematics, Biology, Chemistry, Physics, English, Foreign Language and Social Science Education. Prospective students should consult the College of Education portion of this catalog under the
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, multicultural society.

  Students who major or minor in Africana Studies have the option of emphasizing African American Studies (including the Caribbean), African Studies, or both. Admission to the Africana Studies major or minor is open to all students who have been duly admitted to the University of South Florida.

**Recommended Prerequisites (State Mandated Common Prerequisites)**

The department encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

- If you transfer with 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.

**Requirements for the Major in Africana Studies**

Beyond the recommended prerequisites, the major in Africana Studies consists of a minimum of 36 hours. Students may choose an area of emphasis in African American Studies, African Studies, or Africana Studies (both). The requirements for the majors are as follows:

- **Major requirements for the B.A. Degree (36 Cr. Hours)**
  - AFA 2000 Introduction to the Black Experience in Africa & Its Diaspora (3)
  - AFH 3100 African History to 1850 (3)
  - AFH 3200 African History Since 1850 (3)
  - AMH 3571 African-American History to 1865 (3)
  - AMH 3572 African-American History Since 1865 (3)

Select any seven courses. Students may choose to emphasize African American Studies, African Studies or both. (21 credit hours)

**African American Studies (Suggested)**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<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 4333</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>AFA 4931</td>
<td>Selected Topics in African Studies (Suggested)</td>
<td>(1-3)</td>
</tr>
<tr>
<td>AFS 4311</td>
<td>The African Diaspora: Blacks in the Contraction of the Americas</td>
<td>(3)</td>
</tr>
<tr>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>(3)</td>
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<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td>(3)</td>
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<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>(3)</td>
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<tr>
<td>AML 4303</td>
<td>Major Works: Zora Neale Hurston</td>
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<tr>
<td>AML 4624</td>
<td>Black Women Writers</td>
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<tr>
<td>HUM 2420</td>
<td>Arts and Music of the African People</td>
<td>(3)</td>
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<tr>
<td>PHM 4120</td>
<td>Major Black Thinkers</td>
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<tr>
<td>PUP 3313</td>
<td>Blacks in the American Political Process</td>
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<td>AFS 2250</td>
<td>Culture and Society of Africa</td>
<td>(3)</td>
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<tr>
<td>CPO 4204</td>
<td>Government and Politics of Africa</td>
<td>(3)</td>
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<tr>
<td>CPO 4244</td>
<td>Government and Politics of East, Central, and Southern Africa</td>
<td>(3)</td>
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<tr>
<td>INR 4254</td>
<td>Africa in World Affairs</td>
<td>(3)</td>
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<tr>
<td>PHI 4073</td>
<td>African Philosophy</td>
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**Requirements for the Minor in Africana Studies**

The minor in Africana Studies requires a minimum of 18 credit hours. As in the major, students may choose an area of emphasis in African American Studies, African Studies, or Africana Studies (both). The requirements for the minor are as follows:

- Select any seven courses. Students may choose to emphasize African American Studies, African Studies or both. (21 credit hours)
**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: archaeology, biological anthropology, 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 prepares them to the 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](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 two lower level, introductory courses in Anthropology prior to entering the university. If not taken at the community college, they must be completed before the degree is granted. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A grade of “C” is the minimum acceptable grade. If students transfer fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

**Requirements for the Major in Anthropology**

Beyond the recommended prerequisites listed above, the major in Anthropology consists of a minimum of 36 credit hours. ANT 2000 is prerequisite to all subsequent courses. ANT 3101, ANT 2410, ANT 2511 and ANT 3610 are required as intermediate level training in the main subdivisions of the field, and ANT 4034 and ANT 4935 complete the specific requirements. Majors are required to complete a minimum of 15 hours of 4000-level elective coursework, including courses from at least three of the four subfields shown below.

**Required Core Courses**

- **ANT 2000** Introduction to Anthropology (3)
- **ANT 2410** Cultural Anthropology (3)
- **ANT 2511** Biological Anthropology (3)
- **ANT 3101** Archaeology (3)
- **ANT 3610** Anthropological Linguistics (3)
- **ANT 4034** Theories of Culture (3)
- **ANT 4935** Rethinking Anthropology (3)

**Archaeology**

- **ANT 4142** Old World Archaeology (3)
- **ANT 4143** European Archaeology (3)
- **ANT 4147** Environmental Archaeology (3)
- **ANT 4153** North American Archaeology (3)
- **ANT 4158** Florida Archaeology (4)
- **ANT 4165** South American Archaeology (3)
- **ANT 4163** Mesoamerican Archaeology (3)
- **ANT 4172** Historical Archaeology (3)
- **ANT 4180** Laboratory Methods in Archaeology (2-4)
- **ANT 4181** Museum Methods (4)
- **ANT 4183C** Archaeological Science (4)
- **ANT 4824** Archaeological Field Methods (4-12)
Biological Anthropology
- ANT 4520 Forensic Anthropology (3)
- ANT 4586 Prehistoric Human Evolution (3)
- ANT 4587 Human Variation (3)

Anthropological Linguistics
- ANT 4620 Language and Culture (3)
- ANT 4750 Language and Social Interaction (3)

Cultural Anthropology
- ANT 4231 Folklore (3)
- ANT 4241 Magic and Religion (3)
- ANT 4285 Oral History (3)
- ANT 4302 Gender in Cross-Cultural Perspective (3)
- ANT 4312 North American Indians (3)
- ANT 4316 Ethnic Diversity in the United States (3)
- ANT 4323 Mexico and Central America (3)
- ANT 4340 The Caribbean (3)
- ANT 4390 Visual Anthropology (3)
- ANT 4432 The Individual and Culture (3)
- ANT 4442 Urban Life and Culture (3)
- ANT 4462 Health, Illness, and Culture (3)
- ANT 4495 Methods in Cultural Research (3)
- ANT 4701 Applied Anthropology (3)
- URS 3002 Introduction to Urban Studies (3)

Anthropology majors are urged to become competent readers and speakers of a relevant modern foreign language (which may include American Sign Language). They are also urged to enhance their English reading, writing, speaking and critical thinking capabilities and develop their skills in computational, statistical and other forms of quantitative analysis at every opportunity. Students are encouraged to fulfill General Education and Exit requirements with courses relevant to their interests in anthropology whenever possible. In pursuit of all these goals, they should meet with the department's Undergraduate Advisor at least once each semester to discuss such topics as academic progress, future course plans, Department Honors Program, summer field schools, job opportunities, graduate education and professional careers in anthropology.

Requirements for the Minor in Anthropology

The minor in Anthropology consists of a minimum of 18 credit hours with a "C" average (2.0), distributed among three areas. Students will normally progress through these areas in the order listed below, selecting courses prerequisite or otherwise appropriate. For courses desired in subsequent areas. Exceptions to this pattern must be approved by the department's undergraduate advisor. Students are urged to consult with the major and minor student advisors to create the most beneficial specific set of courses.

1. 2000-level required core course (3 cr. hrs.)
   - ANT 2000 Introduction to Anthropology
2. Intermediate-level core courses (3-6 cr. hrs.)
   - ANT 2410 Cultural Anthropology
   - ANT 2511 Biological Anthropology
   - ANT 3101 Archaeology
   - ANT 3610 Anthropological Linguistics
3. 4000-level elective courses (9-12 cr. hrs.)
   As described above in the listing of elective courses in archaeology, physical anthropology, anthropological linguistics and cultural anthropology.

REQUIREMENTS FOR THE ANTHROPOLOGY HONORS PROGRAM

The purpose of the Honors Program is to provide outstanding Anthropology undergraduates with advanced, individually tailored training in areas of anthropology of interest to them. The program, operating independently of the major itself, involves a year of coursework and research culminating in the writing of an Honors thesis. Students in the second semester of their junior year, prior to completion of 90 semester hours, may apply to the program, which begins in the Fall semester. Admission is competitive, based on the student's overall academic record (minimal 3.0 GPA overall, 3.5 GPA for USF anthropology course work) and a letter of recommendation from a member of the Department of Anthropology. Successful completion of the program requires maintenance of a 3.0 overall and a 3.5 in the major, completion of ANT 4932 (4) (Honors Seminar) with a grade of "B" or better, completion of ANT 4970 (3) (Honors Thesis) with a grade of "S," and completion of all other requirements for graduation. See the Anthropology Department Undergraduate Advisor for further information and application forms.

- **BACHELOR OF INDEPENDENT STUDIES (BIS)**

  New applicants are not currently being accepted. 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 has his/her own pace and, for the most part, in his/her own setting. The exception is the summer seminars, which require periodic, short-term campus residence.

  **Admission Procedures**

  Applicants must qualify for admission to the University of South Florida and for admission to the B.I.S. Program. The USF Director of Admissions rules on the admission of an applicant to the university. The BIS Committee rules on admission of an applicant to the BIS Program. BIS applicants typically welcome the challenge of liberal studies and the rigor of independent study. BIS students pay regular USF tuition for undergraduate students.

  **Mechanisms for Recognizing Prior Learning**

  Individuals with an A.A. degree from a State of Florida community or junior college, and Registered Dental Hygienists, Registered Nuclear Medicine Technologists, Registered 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) 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 HSM 443, University of South Florida, Tampa, Florida 33620-8400. Telephone: 813-974-4058. E-mail: bis@luna.cas.usf.edu

  **Recommended Prerequisites (State Mandated Common Prerequisites)**

  Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. There are no State Mandated Common Prerequisites for this degree program.
CURRICULUM

The curriculum consists of four study areas: the Humanities, Natural Sciences, Social Sciences and an Inter-area Study. The first three areas of study are completed through a tutorial and a resident seminar. While the seminar is of short duration, the tutorial for each area requires a longer commitment of time. The student may begin in any of the first three study areas and is encouraged to start in his/her area of strength.

TUTORIALS

The tutorial or guided independent study is predominantly print intensive, with core and suggested readings drawn from the BIS Guide to Independent Studies. In the Humanities tutorial, for example, the student reads across the disciplines of the Humanities Study Area which include Language, Literature, Philosophy, Art, Drama, and Architecture. Selected works are reviewed within the framework of historical periods. Tutorial objectives include knowledge of the basic principles of each of the genres and periods, the ability to visualize relationships between the disciplines, grasp of the nomenclature of the disciplines, and the capacity to apply basic concepts to current issues. The student is responsible for systematic interaction with the faculty mentor who directs the reading process and evaluates the student’s progress.

In the Natural Sciences tutorial, the BIS learner studies Science -- Science for the non-scientist. Emphasis is placed on the interrelationships of the disciplines of Science. Topics illustrative of this interdisciplinary approach to Sciences include Mathematics, Physics, Chemistry, Biology, Astronomy, Geology, Ecology, History, and Philosophy of Science, and the impact of Science on Technology. As is the case with other tutorials the learning objectives involve concepts, nomenclature, cross-disciplinary insights, and application of concepts/methods to current issues.

In the Social Sciences tutorial, the student reads selected core and supplementary reading and completes written projects in each of the basic disciplines of the Social Science Study Area. These include Anthropology, Economics, Geography, History, Political Science, Psychology, Women’s Studies, and Sociology. Tutorial objectives include knowledge of the basic concepts and principles of each discipline, familiarity with major social science research techniques, understanding of the relationships among the different disciplines, and the ability to apply disciplinary or interdisciplinary concepts or models to current issues.

Following each tutorial, the student completes a comprehensive examination in order to demonstrate that a satisfactory level of proficiency has been attained in the independent study component of a particular area. The exam may be taken on or off campus. A research paper is also undertaken in each of the tutorials. It is normally done at the end of a tutorial.

SEMINARS

Students are required to attend two-week long seminars on the USF campus. Each seminar (for each of the first three study areas: Humanities, Natural Sciences, and Social Sciences) represents a period of intensive residential learning under the direction of a team of faculty members. Seminar faculty teams identify the subject matter and activities of each seminar. Humanities seminars, for example, are often thematically organized but the focus is on interdisciplinary concerns. A number of historical periods may be approached through discussion of art, music, literature, and architecture. In a Natural Sciences seminar, the focus is on an interdisciplinary approach to learning about Science. Social Sciences seminar faculty focus on the knowledge gained in the tutorial with an emphasis on synthesis, extension, and application of this learning to selected topics such as energy, patterns of human behavior, and human rights.

Seminar activities also vary with the study area. A visit to a museum or art gallery is a usual component of a Humanities Seminar. In Science, laboratory experiences and field trips are utilized to introduce students to the field of Science and to allow them to experience the excitement of discovery. Many of the activities described in a Social Sciences seminar syllabus are used in other seminars as well, i.e., lectures by faculty team members or guest lecturers, presentations by group members, group discussion, library research, learning journals, and a research paper.

Students in all seminars may be asked to read materials related to the seminar theme prior to the seminar and to complete written assignments after the completion of the two-week seminar period. Seminars meet for two consecutive six-day 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 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/MRN/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. For advising contact the Science Advising Center, BEH 339 or call 813-974-2674.

Requirements for Entrance into either the Biology or Microbiology Programs

1. Completion of two semesters of college-level basic biology (BSC 2010 / 2010L and BSC 2011 / 2011L, or equivalents); two semesters of college-level basic chemistry (CHM 2045 / 2045L and CHM 2046 / 2046L, or equivalents); and one semester of any college-level mathematics, physics, or statistics course.

2. A cumulative GPA of at least 2.75 in the five courses listed above.

These requirements will NOT BE WAIVED for students who pass major courses beyond college-level basic biology, but do not have the necessary cumulative GPA (2.75) in the five courses listed above.
Requirements for the Biology B.S. Major (BIO)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:
Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

CHM 1045/1045L General Chemistry I (with lab)

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 2223, MAC 2223, MAC X281

MAC X312 Calculus II
Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2224, 2225, 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.

Required Courses for the Biology Major

1. Department of Biology Courses-minimum 40 credit hours
   a. BSC 2010 Biology I Cellular Processes (3)
   b. BSC 2010L Biology I Cellular Processes Laboratory (1)
   c. BSC 2011 Biology II Diversity (3)
   d. BSC 2011L Biology II Diversity Laboratory (1)
   e. PCB 3023 Cell Biology (3)
   f. PCB 3043 Principles of Ecology (3)
   g. PCB 3063 General Genetics (3)
   h. One of the following:
      i. PCB 3023L Cell Biology Laboratory (1)
      j. PCB 3043L Principles of Ecology Laboratory (1)
      k. PCS 3063L General Genetics Laboratory (1)
   i. One of the following (with laboratory):
      j. BOT 3373C Vascular Plants: Form and Function (4)
      k. MCB 3030C General Microbiology (4)
      l. ZOO 3205C Advanced Invertebrate Zoology (4)
      m. ZOO 3713C Comparative Vertebrate Anatomy (4)
      n. ZOO 4603C Animal Embryology (4)
      o. ZOO 4753C Histology (4)
   j. One of the following (with laboratory):
      k. MCB 4404 Microbial Physiology and Genetics (4)
      l. PCB 4723 Animal Physiology (3)
   k. 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.
   l. A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.

2. Supporting Courses in the Natural Sciences-minimum 32 credit hours
   a. CHM 2045 General Chemistry I (3)
   b. CHM 2045L General Chemistry I Laboratory (1)
   c. CHM 2046 General Chemistry II (3)
   d. CHM 2046L General Chemistry II Laboratory (1)
   e. CHM 2210 Organic Chemistry I (3)
   f. CHM 2210L Organic Chemistry I Laboratory (2)
   g. CHM 2211 Organic Chemistry II (3)
   h. CHM 2211L Organic Chemistry II Laboratory (2)
   i. MAC 2241 Life Sciences Calculus I (4)
   j. MAC 2242 Life Sciences Calculus II (4)
   k. OR MAC 2281 Engineering Calculus I (4)
   l. OR MAC 2282 Engineering Calculus II (4)
   m. OR MAC 2311 Calculus I (4)
   n. OR MAC 2312 Calculus II (4)
   o. OR MAC 2241 Life Sciences Calculus I (4)
   p. OR STA 2023 Introductory Statistics I (4)
   q. OR PHY 2048 General Physics I (3)
   r. OR PHY 2048L General Physics I Laboratory (1)
   s. OR PHY 2049 General Physics II (3)
   t. OR PHY 2049L General Physics II Laboratory (1)
   u. OR PHY 2053 General Physics (3)
   v. OR PHY 2053L General Physics Laboratory (1)
   w. OR PHY 2054 General Physics (3)
   x. OR PHY 2054L General Physics Laboratory (1)

3. Liberal Arts Courses-minimum 45 credit hours

4. Free Elective Courses needed to complete 120 credit hours

Requirements for the Biology B.S. Major with a Concentration in Marine Biology (MRN)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:
Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

CHM 1045/1045L General Chemistry I (with lab)

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

BOT 3373C Vascular Plants: Form and Function (4)

MCB 3030C General Microbiology (4)

ZOO 3205C Advanced Invertebrate Zoology (4)

ZOO 3713C Comparative Vertebrate Anatomy (4)

ZOO 4603C Animal Embryology (4)

ZOO 4753C Histology (4)

MCB 4404 Microbial Physiology and Genetics (4)

PCB 4723 Animal Physiology (3)

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.

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 32 credit hours
   a. CHM 2045 General Chemistry I (3)
   b. CHM 2045L General Chemistry I Laboratory (1)
   c. CHM 2046 General Chemistry II (3)
   d. CHM 2046L General Chemistry II Laboratory (1)
   e. CHM 2210 Organic Chemistry I (3)
   f. CHM 2210L Organic Chemistry I Laboratory (2)
   g. CHM 2211 Organic Chemistry II (3)
   h. CHM 2211L Organic Chemistry II Laboratory (2)
   i. MAC 2241 Life Sciences Calculus I (4)
   j. MAC 2242 Life Sciences Calculus II (4)
   k. OR MAC 2281 Engineering Calculus I (4)
   l. OR MAC 2282 Engineering Calculus II (4)
   m. OR MAC 2311 Calculus I (4)
   n. OR MAC 2312 Calculus II (4)
   o. OR MAC 2241 Life Sciences Calculus I (4)
   p. OR STA 2023 Introductory Statistics I (4)
   q. OR PHY 2048 General Physics I (3)
   r. OR PHY 2048L General Physics I Laboratory (1)
   s. OR PHY 2049 General Physics II (3)
   t. OR PHY 2049L General Physics II Laboratory (1)
   u. OR PHY 2053 General Physics (3)
   v. OR PHY 2053L General Physics Laboratory (1)
   w. OR PHY 2054 General Physics (3)
   x. OR PHY 2054L General Physics Laboratory (1)

3. Liberal Arts Courses-minimum 45 credit hours

4. Free Elective Courses needed to complete 120 credit hours.
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, 3262

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 Courses for the Biology Major with a Marine Biology Concentration

1. Department of Biology Courses-minimum 42 credit hours
   a. BSC 2010 Biology I Cellular Processes (3)
   BSC 2010L Biology I Cellular Processes Laboratory (1)
   BSC 2011 Biology II Diversity (3)
   BSC 2011L Biology II Diversity Laboratory (1)
   b. PCB 3023 Cell Biology (3)
   PCB 3043 Principles of Ecology (3)
   PCB 3063 General Genetics (3)
   c. ONE of the following:
      PCB 3023L Cell Biology Laboratory (1)
      PCB 3043L Principles of Ecology Laboratory (1)
      OR
      PCB 3063L General Genetics Laboratory (1)
   d. BSC 3263C Marine Biology (3)
   e. ONE of the following (with lab):
      MCB 4404 Microbial Physiology and Genetics (4)
      PCB 4723 Animal Physiology (3)
   f. At least one of the following: Vascular Plants (BOT 3373C), Microbiology (MCB 3303C), Vertebrate Zoology (ZOO 2303C), Comparative Vertebrate Anatomy (ZOO 3713C), Advanced Invertebrate Zoology and Lab. (ZOO 3205C)
   g. Senior Seminar in Marine Biology
   h. The remaining nine (9) credit hours to meet the minimum requirements must come from courses listed in (f) above and/or from the following list. A maximum of six (6) credits may be taken in courses from other departments/colleges. At least eight (8) of these credit hours must be at the 4000 level or higher:
      OCB 6050 Biological Oceanography
      OCC 6050 Chemical Oceanography
      OCS 6051 Geologic Oceanography
      OCP 6050 Physical Oceanography
      GLY 4734 Beaches and Coastal Environments
      GEO 5177 Geographic Information Systems
      ZOO 5456 + ZOO 5456L Ichthyology
      MCB 5600 Applied and Environmental Microbiology
      ZOO 5555C Marine Animal Ecology
      ZOO 4513 Animal Behavior
      PCB 4674 Organic Evolution
      BOT 5185C Marine Botany
      Advanced Marine Biology and lab

2. Supporting Courses in the Natural Sciences-minimum 32 credit hours
   a. CHM 2045 General Chemistry I (3)
   CHM 2045L General Chemistry I Laboratory (1)
   CHM 2046 General Chemistry II (3)
   CHM 2046L General Chemistry II Laboratory (1)
   b. CHM 2210 Organic Chemistry I (3)
   CHM 2210L Organic Chemistry I Laboratory (2)
   CHM 2211 Organic Chemistry II (3)
   CHM 2211L Organic Chemistry II Laboratory (2)
   c. MAC 2241 Life Sciences Calculus I (4)
   and
   MAC 2242 Life Sciences Calculus II (4)
   OR
   MAC 2241L Calculus I Laboratory (1)
   b. BSC 2010 Biology I Cellular Processes (3)
   BSC 2010L Biology I Cellular Processes Laboratory (1)
   b. PCB 3023 Cell Biology (3)
   OR
   BSC 2011L Biology II Diversity Laboratory (1)
   b. PCB 3023L Cell Biology Laboratory (1)
   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.

Requirements for the Microbiology B.S. Major (MIC)

Prerequisites (State Mandated Common Prerequisites)
Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
   Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
   Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM 1045/1045L General Chemistry I (with lab)
   Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM 1046/1046L General Chemistry II (with lab)
   Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 2210/2210L Organic Chemistry I (with lab)
   Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent
CHM 2211/2211L Organic Chemistry II (with lab)
   Acceptable substitutes: 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.

Required Courses for the Microbiology Major

1. Department of Biology Courses-minimum 42 credit hours
   a. BSC 2010 Biology I Cellular Processes (3)
   BSC 2010L Biology I Cellular Processes Laboratory (1)
   b. BSC 2011L Biology II Diversity Laboratory (1)
   b. PCB 3023L Cell Biology Laboratory (1)
   OR
   BSC 2011L Biology II Diversity Laboratory (1)
   b. PCB 3023L Cell Biology Laboratory (1)
   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.
## General Requirements for the Majors in Chemistry

The required sequence of Chemistry courses should be started immediately in the freshman year; the mathematics and physics requirements should be completed before the junior year as preparation for CHM 3400 Elementary Physical Chemistry I (B.A. degree) or CHM 4410 Physical Chemistry I (B.S. degree), courses which are to be taken in the third year. CHM 4410 is a prerequisite to other advanced courses required for the B.S. degree in chemistry. CHM 4060 “Use of Chemical Literature” also is a prerequisite to several B.S. degree courses.

A grade of C or better is required in each chemistry course and each supporting course specified for a chemistry degree. All courses in a chemistry program must be taken with letter grade (A,B,C,D,F,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.

### Chemistry (CHS/CHM)

- **Biology Honors Program**
  - The Honors Program has been placed on inactive status. This program is to be reinstated at a later date.
  - **Chemistry (CHS/CHM)**
    - The Department of Chemistry awards two degrees at the baccalaureate level, the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry, and three degrees at the graduate level, a non-thesis Master of Arts, the Master of Science and the Doctor of Philosophy. Each of the graduate degrees offers specialization in the areas of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry. In addition, a Master of Arts degree is offered as part of a carefully integrated accelerated B.A.-M.A. program. The chemistry faculty is comprised of 24 full-time members all of whom hold the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study which can be tailored to fit individual needs while maintaining a sound background in all general aspects of chemistry.
    - Majors in chemistry are well-prepared to enter a wide range of chemical careers as well as many interdisciplinary activities that are the hallmark of modern science and technology. These include teaching and research in academic, government and private settings, bio-medical research and clinical practice, environmental activities, materials science, law, business and other professions. The Bachelor of Science is particularly designed for students wishing to continue with graduate training in chemistry and closely-allied disciplines and graduates are certified for membership in the American Chemical Society. The Bachelor of Arts provides opportunities for curricula individually tailored to meet many career objectives.

### General Electives

- **Free Electives**
  - Courses over and above the required courses are needed to complete 120 credit hours.

### Minimum Grade for Majors

A student must receive a "C" grade or better in all Department of Biology courses and Supporting Courses in the Natural Sciences, except if they are used as Free Elective courses. This specification applies to both USF and transfer courses. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

### 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
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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus I or MAC 2281 Eng Calculus I</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus II or MAC 2282 Eng Calculus II</td>
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<tr>
<td>CHM 2210C</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHM 2211C</td>
<td>Organic Chemistry II</td>
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<tr>
<td>PHY 2048L</td>
<td>Gen Physics I &amp; Lab or PHY 2048C, or</td>
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<tr>
<td>PHY 2049L</td>
<td>Gen Physics II &amp; Lab or PHY 2049C, or</td>
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<td>PHY 2053C</td>
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Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

BA in Chemistry (CHM)

The B.A. degree in Chemistry provides a course of study for students whose careers will require a thorough understanding of chemistry required for a variety of professional activities such as in health-related professions, science teaching, business, law and other areas. Inherent in this program is a high degree of flexibility which permits tailoring a course of study to the student's own educational objectives. The B.A. student whose goals change in the direction of graduate study should supplement this curriculum by addition 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
- CHM 2045L: General Chemistry I Lab
- CHM 2046: General Chemistry II
- CHM 2046L: General Chemistry II Lab
- CHM 2210: Organic Chemistry I
- CHM 2211: Organic Chemistry II
- CHM 3120C:Elementary Analytical Chemistry I
- CHM 3400: Elementary Physical Chemistry I* (3)
- CHM 3401: Elementary Physical Chemistry I (3)
- CHM 3402: Elementary Physical Chemistry Lab (1)
- CHM 3610: Intermediate Inorganic Chemistry I (3)
- CHM 3610L: Intermediate Inorganic Chemistry I Lab (1)

### Required Chemistry Electives

### Required Supporting Courses (14-16 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)

### Required natural science or engineering electives (8 cr. hrs.)

Suggested courses: BSC 210, BSC 211, GLY 2100, GLY 2100, GVS 2001, CGS 2060.

BA in Chemistry, emphasis in Biochemistry (CHM)

The Chemistry B.A. offers a unique opportunity for students to pursue later studies and/or professional emphasis in Biochemistry and Biotechnology along with a strong foundation in the chemical knowledge and skills that are essential to these areas. The following schedule of courses meets the requirements for a B.A. in Chemistry and provides core courses in other disciplines basic to biochemistry and biotechnology. Prerequisites are included in the list below.

### Required Chemistry Courses

- 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 I Lab (2)
- CHM 2211L: Organic Chemistry II Lab (2)
- CHM 3120C:Elementary Analytical Chemistry I (4)
- BCH 3023: Introductory Biochemistry (3)
- BSC 2010: Basic Biochemistry Lab (2)
- BSC 4034: Advanced Biochemistry (3)

### Required Chemistry Electives

Minimum of 9 hrs. selected from the following:

- 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. I Lab* (1)
- CHM 4060: Use of the Chemical Literature (1)
- CHM 4300: Biomolecules I (3)
- CHM 4070: Historical Perspectives in Chemistry (3)
- CHM 4932: Selected Topics in Chemistry (3)

*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*, CHM 4070, PCB 3063, PCB 5235, PCB 5255, STA 3023, MCB 3030, MCB 4502, PCB 4253, PCB 5845, EVR 2001.

*Content varies each semester.

BA in Chemistry, emphasis for Health Professions (CHM)

A chemistry core is essential for preparation for medical, dental, veterinarian and other health-related professions. The B.A. in Chemistry includes this core as well as the flexibility to incorporate the other science courses required for admission to programs in the health professions. The course of study outlined below incorporates the goals for health-related careers. Prerequisites are included in the list below.
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 (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)
CHS 4300 Fundamentals of Clinical Chem. (3)
CHS 4301L Fundamentals of Clinical Chem. Lab (2)

Required Supporting Courses (20-23 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 2023, MCB 3030, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*, PCB 4253, PCB 5235, PCB 5525, STA 2023, MCB 3030, PCB 4723, ZOO 4753.

Chemistry Electives (14 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 4060 Use of Chemical Lit. (1)
CHM 4930 Fund. Clinical Chemistry (3)

*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 this Catalog and junior college teachers, see USF Graduate Catalog.

Combined BA-MA Program Admission
Regular admission to the program will normally occur towards the end of the sophomore year or early in the junior year, or at transfer from junior college. Students who have completed not less than ten semester credit hours of chemistry courses, and have maintained a "B" average in chemistry courses and overall, may apply. Applications will be considered individually and applicants may be called for interview. Provisional admission may be granted to incoming freshmen whose academic background and performance indicate the likelihood of their meeting the regular requirements in due course. It should be noted that, in view of the heavy research component and orientation of the program, and the limitations of facilities and individual faculty time available for research direction, admission to the program is by no means automatic upon meeting minimum requirements.

COURSE REQUIREMENTS
Undergraduate: The B.A. coursework curriculum (q.v.) is augmented as follows:
1. CHM 4410, 4412, and 4130C (or CHS 4310C) replace CHM 3400, 3401 and 3402C.
2. Chemistry coursework hours (excluding research) total 42 rather than 41.
Graduate: Not less than 20 credit hours of formal, regularly scheduled chemistry graduate courses, including not less than two of the five core courses (BCH 5065, CHM 5225, CHM 5425, CHM 5621, CHM 6150). At least 10 of the credit hours must be at the 6000 level. The core course requirement may be waived in part or entirely by recommendation of the supervisory committee on the basis of past work, performance on a test, or substitution of more comprehensive and advanced courses.

RESEARCH AND THESIS
CHM 4970 (12) CHM 6973 and CHM 6971 (10)
To satisfy the research credit hour requirements and to produce results suitable for publication in a refereed scientific journal, it will be necessary for the student to be enrolled during the summers of his junior, senior and graduate years. Completion of the program will require the presentation and formal defense of a research thesis for the master's degree.

SUPERVISION AND PROMOTION
A supervisory committee consisting of two faculty members will be appointed for each student admitted to the program. A carefully planned individual timetable will be worked out and progress will be monitored each semester. Continuation from the senior year into the graduate year will be contingent upon the maintenance of the "B" average in chemistry and overall, and upon satisfactory recommendation by the student's research director. Diagnostic and qualifying examinations will not be required of students in this program. The supervisory committee during the graduate year will consist of three faculty members, including the research director.

• COMMUNICATION (SPE)
  Communication studies focus on the concepts, theories, and practice of human communication in a variety of contexts. Students apply their understanding of communication research and principles to personal, professional, and community relationships and concerns.
  The department encourages students to tailor their program of study to meet their own interests. Majors select from one of three areas of concentration described below.
  The Honors Program in Communication allows qualified students to pursue advanced study. A minor in Communication is also available.

Requirements for the Major in Communication
A major in Communication requires a minimum of 36 credit hours from departmental offerings. A final grade of "D" within a departmental course will not be counted toward a Communication major. Courses may not be taken S/U where a grade option exists.

Prerequisites (State Mandated Common Prerequisites)
Students must complete SPC 2600, Public Speaking, before being admitted to the Communication major. A student can be admitted to the university without SPC 2600, but it must be completed as part of requirements for the major. A grade of "C" is the minimum acceptable grade.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program.

I. Prerequisites (3 hours)
This course is a prerequisite for declaring the communication major.
SPC 2600 Public Speaking (3)
In addition, admittance to the major is limited to those students who have completed at least 30 hours of college level work and have achieved an overall grade point average in all college courses of 2.5 or above.

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
SPC 3212 SPC 3425 SPC 4305
SPC 4310 SPC 4431
Public and Cultural Communication
COM 4030 COM 4022 SPC 3230
SPC 3513 SPC 3631 SPC 3653
SPC 3680 SPC 3710 SPC 4683
SPC 4632 SPC 4680 SPC 4714

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 2000 Public Speaking (3)
- COM 2000 Introduction to Communication (3)

The other 12 hours may be selected from among departmental offerings and must include a minimum of 6 hours at the 3000-level or higher. A grade of "D" will not be counted toward a Communication minor. Courses may not be taken S/U where a grade option exists.

**COMMUNICATION SCIENCES AND DISORDERS (LSH, ITT, DST)**

The undergraduate program in Communication Sciences and Disorders (CSD) offers three curriculum concentrations that lead to the B.A. degree. 1) The undergraduate concentration in Speech-Language-Hearing Science (LSH) provides pre-professional study that prepares the student for Master's level preparation in Speech-Language Pathology, or Deaf Education, or for entry into the clinical Doctor of Audiology degree (AuD). 2) The undergraduate curriculum in the Deaf Studies (DST) concentration focuses on the study of deaf culture through the development of communicative proficiency in ASL and prepares the individual to work with the deaf in a variety of social service settings. 3) The Interpreter Training (ITT) undergraduate curriculum prepares individuals to work in educational settings with students who require assistance with educational skills due to their hearing impairment or deafness. Students interested in these concentrations should contact the Department of Communications Sciences and Disorders regarding academic advising. The Department also offers the Master's of Science degree in Speech-Language Pathology and Deaf Education. A doctor of Audiology Degree is awarded. The department offers a 5-year M.S. course of study combining undergraduate with graduate courses; however, enrollment into this program is currently not available.

**Concentrations in Communication Sciences and Disorders (CSD)**

**Recommended Prerequisites (State Mandated Common Prerequisites)**

Students are encouraged to complete the A.A. degree at the community college. Some courses required for the Speech-Language-Hearing (LSH) or Deaf Studies (DST) major may also meet General Education Requirements thereby transferring maximum hours to the university.

Students entering the university with 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. And each of the following:

- ANT 2000 Introduction to Anthropology 3
- PSY 2012 Psychological Science I 3
- SYG 2000 Introduction to Sociology 3

II. And each of the following:

- BSC 1085 Human Anatomy & Physiology I 3
- BSC 1086 Human Anatomy & Physiology II 3
- BSC 1085L Human Anatomy & Physiology I Lab 1
- BSC 1086L Human Anatomy & Physiology II Lab 1

or equivalent work as follows:

- BSC 2093 Human Anatomy & Physiology I 5
- BSC 2094 Human Anatomy & Physiology II 5
- STA 2122 Social Science Statistics 3

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 Interpreters Training (ITT) requirement: ability to use ASL at the intermediate level of a standardized ASL competency test such as the Sign Communication Proficiency Index (SCPI) or other 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 American Speech-Language-Hearing Association (ASHA) and has many membership benefits.

**A. General Information and Upper-level Requirements for the Degree**

All undergraduates seeking enrollment in this department must be in good academic standing as undergraduate students at the University of South Florida. Prior to beginning coursework in the junior year in the department, most students should complete general education requirements, successfully pass the CLAST, and have achieved 60 semester hours of coursework. Students with advising concerns related 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.
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 (3 cr. hrs.) - see major advisor
2. STA 2122 (3) or equivalent
3. Additional Courses (3 cr. hrs.)
SYG 2000 or ANT 2000 or PSY 2012 or equivalent

D. Speech-Language-Hearing Concentration (LSH)
(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 4555 (3)
- SPA 3011 (3) SPA 4050 (3) SPA 4632 (3)
- SPA 3030 (3) SPA 4201 (3)
- SPA 3101 (3) SPA 4210 (3)
- SPA 3612C (4) (Recommended)

Students interested in teacher certification in deaf education must complete required education courses in addition to all 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 being admitted to the DST major for the 2002/2003 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 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 4555 (3)
- SPA 3011 (3) SPA 4050 (3) SPA 4632 (3)
- SPA 3030 (3) SPA 4201 (3)
- SPA 3101 (3) SPA 4210 (3)
- SPA 3612C (4) (Recommended)

Other electives (6).
COLLEGE OF ARTS AND SCIENCES

2. In addition, a minor must include one of the following:
   - SPA 4331 - Fundamentals of Finger Spelling
   - SPA 4617 - Structure of Sign Language
3. Students transferring credit hours toward a minor in DST must complete 12 credit hours within the Department of Communication Sciences and Disorders regardless of the number of credit hours transferred.
4. A GPA of 2.0 or better must be achieved in minor 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.

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 with 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.

Requirements for the Minor in Criminology

The Department of Criminology offers a minor in Criminology. The minor consists of:

1. Two required courses:
   - CCJ 3204 (3)
   - CCJ 3610 (3)
2. The selection of four of the following 3 hour courses for a total of 18 semester hours:
   - CCJ 3204
   - CCJ 3621
   - CJE 4114
   - CJE 4410
   - CCJ 4306
   - CJE 4010

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 advisor in the Economics Department for more information.

Requirements for the Major in Economics

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: The State of Florida has identified common course prerequisites for the major in Economics. These courses must be completed with a minimum grade of “C” before the degree is granted. If the courses are not transferred in, they may be taken at USF.

ECO X013 Economic Principles: Macroeconomics
and
ECO X023 Economic Principles: Microeconomics or ECO XXXX and ECO XXXX

Coursework in the Economics Major:

A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 33 credits in Economics in addition to college requirements. The 33 credits must include:

- ECO 2013 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- ECO 3101 Intermediate Price Theory (3)
- ECO 3203 Intermediate Macroeconomics (3)
- ECO 4935 Economic Statistics or QMB 3200 Business and Economics Statistics II (3)
- Economics electives numbered 3000 or higher (18)

ECO 3100. Managerial Economics, may be substituted for ECO 3101. Students must not take both ECO 3100 and ECO 3101 for credit.

Either ECO 1000 (if taken before both ECO 2013 and ECO 2023) or QMB 2100 (if taken as a prerequisite to QMB 3200) may be substituted for a maximum of 3 hours of upper level elective credit.
Students must obtain a grade of "C" or higher in ECO 3101 or ECO 3100 in order to enroll in any course for which ECO 3101 or ECO 3100 is a prerequisite. At least 9 of the 18 hours of upper level economics electives must be in courses for which either ECO 3101, ECO 3100 or ECO 3203 is a prerequisite.

No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914.

At least 12 hours must be taken in residence at USF.

Economics majors working at the regional campuses may not be able to fulfill all economics course requirements at those campuses.

Requirements for the Minor in Economics

All students, regardless of college, can 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 the minor course work at USF and in all minor courses completed at any institution. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum

Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.


The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test (LSAT) or applying for admission to law schools.

Five-year Bachelor/Master Degree Program

This program allows superior students with strong analytical skills and the ability to handle a fast paced, challenging program the opportunity to complete both the Bachelor and Master degrees in economics in five years.

The program requires the students to take two graduate level courses required for the MA degree during the last year in the Bachelor program. These 6 hours are counted as general electives (not major electives) in the undergraduate program and are also used to satisfy the requirements for the MA in economics. In addition to the 120-hour Bachelor's program, five-year students take 24 hours at the graduate level.

To be eligible for the program, a student must have completed at least 6 hours of 3000 level or above economics courses at USF (not including statistics), have an overall grade point average of 3.0 or above, and have a minimum of 3.25 cumulative grade point average in all economics courses (including statistics).

To apply for admission, send a letter to the Graduate Program Director in the Department of Economics stating your qualifications and desire to enter the program. To plan your program, or for additional information, see the Undergraduate Advisor in Economics.

- ENGLISH (ENG)
- Requirements for the Major in English
- Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements, thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted.

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

ENC 1101 Composition I
ENC 1102 Composition II

or

Six semester hours earned in courses taught in the English Department, each with 6,000 words of evaluated writing for a total of 12,000 words.

Suggested electives:
- AMH 2010 American History I
- AMH 2020 American History II
- EUH 2021 Medieval History I
- EUH 2022 Medieval History II

Upper-level coursework in the English Major:

A. 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 non-traditional approaches.

   - Creative writing - The creative writing option includes training in writing fiction and poetry and study 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 hours) 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
3. Five of the following, at least two of which must be from Group A:
   Group A
   AML 4111 19th Century American Novel
   AML 4121 20th Century American Novel
   ENL 4122 British 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 4251 Literature of the South
   AML 4330 Selected American Authors
   ENL 4060 History of the English Language
   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
   ENC 4930 Selected Topics in Professional and Technical Writing
4. ENG 4013 Literary Criticism (Required for Literature majors)

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 Form & Technique of Fiction
   CRW 2100 Narration & Description
   CRW 3311 Form & Technique of Poetry
   CRW 3312 Fiction I
   CRW 3312 Fiction II
   CRW 3321 Poetry I
   CRW 3321 Poetry II
   CRW 4120 Fiction III
   CRW 4320 Poetry III
   CRW 4930 Selected Topics in Creative Writing
   Note: CRW 2100 or CRW 3111 must be taken before any other courses in the Fiction series, and CRW 3311 must be taken before any other courses in the Poetry series.
2. Literature Requirements
   The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, two courses from Group 2, and three courses from Group 3 and/or Group 4.

OPTION III: PROFESSIONAL AND TECHNICAL WRITING
This 36-hour program allows undergraduates to concentrate their studies in professional writing, wherein they will master special writing skills demanded by industry, business, government, and the professions. The English Department may arrange semester-long internships with local businesses, industries, and professional organizations. Interns will earn three credit hours and, in some cases, receive compensation from their employers for their duties.
   Students choosing this concentration will also assure themselves of a core of liberal arts studies since they must take 21 credit hours of literature courses in addition to 15 hours of composition courses.
   1. Composition requirements:
      Five of the following:
      CRW 2100 Narration and Description
      ENC 2210 Technical Writing
      ENC 3210 Professional Writing
      ENC 3310 Expository Writing
      ENC 4260 Advanced Technical Writing
      ENC 4311 Advanced Composition
      ENC 4931 Selected Topics in Professional and Technical Writing
   2. Literature requirements:
      The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, four courses from Group 2, and one course from Group 3 and/or Group 4.

Requirements for the Minor in English

ENGLISH AND AMERICAN LITERATURE MINOR (15 HOURS)
1. One of the following:
   AML 3031 American Literature to 1860
   AML 3032 American Literature 1860-1912
   AML 3051 American Literature 1912-1945
2. Two of the following:
   ENL 3015 British Literature to 1616
   ENL 3230 British Literature 1616-1780
   ENL 3251 British Literature 1780-1900
   ENL 3273 British Literature 1900-1945
   ENL 3331 Early Shakespeare
   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, LIN, or LIT prefix.

CREATIVE WRITING MINOR (15 HOURS)
1. CRW 3111 Form & Technique of Fiction
   or
   CRW 2100 Narration & Description
   CRW 3311 Form & Technique of Poetry
   Any two of the following:
   CRW 3112 Fiction I
   CRW 3121 Fiction II
   CRW 3312 Poetry I
   CRW 3321 Poetry II
   CRW 4120 Fiction III
   CRW 4320 Poetry III
   CRW 4930 Selected Topics in Creative Writing
2. One AML or ENL course listed in OPTION I.

PROFESSIONAL AND TECHNICAL WRITING MINOR (15 HOURS)
1. ENC 2210 Technical Writing
   ENC 4260 Advanced Technical Writing
   Any two of the following courses:
   CRW 2100 Narration & Description
   ENC 3210 Professional Writing
   ENC 3310 Expository Writing
ENGLISH HONORS PROGRAM

The Department of English Honors Program will provide a carefully selected group of seniors with opportunities for advanced scholarship:

A. Closer contact with faculty tutors than students in the regular major program;
B. An opportunity to work and exchange ideas in the stimulating environment of a small group of fellow students with similar aims and abilities;
C. An opportunity to develop individual initiative and sophisticated critical skills.

The English Honors Program will benefit those interested in graduate work, advanced professional study, or greater intellectual challenges.

Admissions Criteria

Students may apply for the program after completing 80 hours of course work (90 before actual admission). Applicants should have a GPA of 3.3 in the major and an overall GPA of 3.0 and should submit signatures of recommendation from two English faculty supporting their applications.

After screening all applications, the department’s Honors Committee will interview all eligible applicants before selecting participants in each year’s program.

Requirements for Completion of Departmental Honors

1. The Honors student will complete the requirements of his/her chosen English major as described in the current catalog.
2. In addition to the requirements of the major, the student will take two (three-hour) Honors seminars during the first semester of his/her senior year. Both courses should help the student in selecting a topic for his/her Honors thesis.
3. During the second semester of the senior year, the Honors student will enroll for three thesis hours. The instructors of the first semester’s seminars will serve as instructors of record for the thesis hours and as readers of all Honors theses. The student will choose a member of the faculty to serve as the third reader of his/her thesis. The student must satisfy the following requirements:
   a. Complete both Honors seminars with a 3.3 GPA;
   b. Complete all remaining major requirements with a 3.3 GPA and remaining academic course work with an overall GPA of 3.0 in both areas;
   c. Submit an acceptable thesis to the Departmental Honors committee.
4. The student who completes all requirements above will graduate with Honors in English. The credit hours completed within the program by the student who does not complete all Honors requirements will, of course, count toward the baccalaureate degree.

The Honors Committee will disqualify any student from the program who does not complete the Honors seminars with at least a 3.3 GPA.

Honors students failing to complete a thesis within two years after acceptance into the program will be notified by the Honors Committee of their dismissal from the program.

ENVIRONMENTAL SCIENCE AND POLICY (EVR)

The status of the earth’s environment has been a major concern since the 1960s. As we enter the 21st century, it represents one of the most critical issues facing nearly all nations individually as well as the earth community as a whole. Increased population, technology, globalization and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites. The environmental industry is a growing arena for employment for degree holders at all levels.

The Bachelor of Science (B.S.) in Environmental Science and Policy was approved in 1995. This interdisciplinary program spans multiple colleges within the university but is housed in the College of Arts and Sciences. All students must complete the University’s General Education Requirements. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, 2 semesters each of general biology and general chemistry, environmental ethics, environmental policy, statistics and physical science (either geology or physics). In addition, majors take six courses that allow them to specialize in science or in policy. Students choosing to specialize in science take 2 semesters of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to 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 with 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

MAC 2241 & MAC 2242 Life Sciences Calculus

and

CHM 2045 & CHM 2045L General Chemistry & Lab

CHM 2046 & CHM 2046L General Chemistry II & Lab

plus

STA 2023 Statistics

One approved Geology or Physics Course with Lab

The calculus sequence is only required for students pursuing the ESP-Science concentration.

MAC 2241 & MAC 2242 Life Sciences Calculus

or

MAC 2281 & MAC 2282 Engineering Calculus

or

MAC 2311 & MAC 2312 Calculus

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.

The calculus sequence is only required for students pursuing the ESP-Science concentration.

MAC 2241 & MAC 2242 Life Sciences Calculus

or

MAC 2281 & MAC 2282 Engineering Calculus

or

MAC 2311 & MAC 2312 Calculus
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 Politics and Policy
- PHI 3640 Environmental Ethics
- ECO 3302 Environmental Economics
- 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 4933 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 hours total), 5 of which are core courses required of all majors. Further, students choose either the Urban or Environmental track for their remaining courses. Both tracks offer an applied and techniques orientation for the students, which is stressed through coursework, advising, and through the core course structure for the major. The Environmental track focuses on major environmental systems including the hydrosphere, atmosphere, pedosphere, and biosphere. Particular emphasis is placed on the human modification of the natural environment and the global interconnections of the major earth systems. The Urban track focuses on the social and spatial effects of the growth of cities, including issues such as the historical evolution of urban form and function, land-use changes and conflicts, economic restructuring, the growth and decline of inner-cities, and urban racial and ethnic relations.

Requirements for the Major in Geography

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Upper-level Course Requirements

A major in Geography consists of 11 courses as follows:

Required core courses (6 courses + lab):

- GEO 3013 Intro to Physical Geography
- GEO 3013L Intro to Physical Geography Lab
- GEO 3402 Human Geography
- GEO 3180 Digital Thematic Mapping
- GEO 3164C Quantitative Methods
- GEO 4933 Geography Colloquium

plus four approved policy-related electives. Please contact the Department office for a current list of electives under this category. The Department is located in SCA 238 or you may call (813) 974-2739.
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 techniques).

Urban Track Courses:
- GEO 3602 Urban Geography (4)
- GEO 4502 Economic Geography (4)
- GEO 4604 Advanced Urban Geography (4)
- GEO 4700 Transportation Geography (4)
- GEO 4470 Political Geography (4)
- URP 4052 Urban and Regional Planning (4)
- GEO 4421 Cultural Geography (4)
- GEO 4340 Natural Hazards (4)

Environmental Track Courses:
- GEO 4201C Advanced Physical Geography (4)
- GEO 4210 Process Geomorphology (4)
- GEO 4280C Hydrology (4)
- GEO 4340 Natural Hazards (4)
- GEO 4372 Global Conservation (4)
- MET 4002 Climatology (4)
- MET 4010C Meteorology (4)
- GEO 4300 Biogeography (4)
- MET 4532C Tropical Meteorology (4)

Techniques Courses (electives):
- GEO 4114C Geographic Techniques and Methodology (4)
- GEO 4131C Remote Sensing of the Environment (4)
- GEO 4151C Geographic Information Systems (GIS) (4)

Courses Excluded as Electives for the Major:
- GEO 1930 Geography of Current Events (4)
- GEO 2371 Earth System Science (3)
- Only 4 combined hours of the following courses may be applied toward the degree:
  - GEO 4900 Directed Reading (1-4)
  - GEO 4910 Individual Research (1-4)

Requirements for the Minor in Geography

A minor in Geography consists of 16 credit hours, with a minimum grade-point average of 2.0. The required courses are:

- GEO 3013 (3) GEO 3013L (1) 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 pre-professional school student. A student who elects the B.A. program and decides to pursue the geology profession or attend graduate school will need at least physics and field geology in his/her program.

The graduate program in geology allows the student to pursue advanced studies in nearly all areas of geology. As a result of faculty interests and geographic location, several geologic subdisciplines are emphasized, including applied geophysics, coastal geology, geomorphology, geochemistry, hydrogeology, paleontology, and petrology.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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 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
- PHY 2048C General Physics and Laboratory I or PHY 2048/2048L or PHY 2053C
- PHY 2049C General Physics and Laboratory II or PHY 2049/2049L or PHY 2054C

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

Requirements for the Major in Geology (BA)

1. Geology courses (38 hours):
   a. Introductory Sequence* (4 hours):
      1. One course chosen from GLY 2010, GLY 2030, GLY 2038, GLY 2040, and OCE 2001 (3)
   b. 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.

2. Supporting Courses for the B.A. Degree (24 hours):
   - CHM 2241, 2242 or MAC 2311, 2312 or MAC 2281, 2282
   - Two courses in biology or physics with labs selected from the following:
     BSC 2010 and 2010L, BSC 2011 and 2011L, PHY 2053 and 2053L, PHY 2054 and 2054L, PHY 2048 and 2048L, PHY 2049 and 2049L
Requirements for the Major in Geology (BS)

1. Geology courses (44 hours):
   a. Introductory Sequence* (4 hours):
      1. One course chosen from GLY 2010, GLY 2030, GLY 2038, GLY 2040, 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.
   b. Junior-level sequence (28 hours):
      - GLY 3311C The Solid Earth: Petrology and Geochemistry (4)
      - GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure (4)
      - GLY 3552C Sedimentary Record 1: Sedimentary Processes and Petrology (4)
      - GLY 3720C Fluid Earth 1: Basic Principles (4)
      - GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (4)
      - GLY 4554C Sedimentary Record 2: The Earth's Surface (4)
      - GLY 4822C Fluid Earth 2: Hydrogeology (4)
   c. Senior-Level Sequence (12 hours):
      - GLY 4145 Computational Geology (3)
      - GLY 4921 Geocommunications (3)
      - and either:
        - GLY 494XL Practical and Applied Geology (6)
      Must take at least one each of computational, field, and laboratory experience.
      - 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 (28 hours):
   - MAC 2281, MAC 2282 (recommended) or MAC 2311, MAC 2312
   - BSC 2010, 2010L
   - CHM 2045, 2045L, CHM 2046, 2046L
   - PHY 2048, 2048L, PHY 2049, 2049L (recommended) or PHY 2053, 2053L, 2054, 2054L

Liberal Arts Requirements
All students are required to complete the University's Liberal Arts Requirements.

Free Electives (19-25 hours)
The student will choose, in consultation with his/her geology advisor, such courses in the natural sciences that support his/her major interest in the field of geology. Courses in computer programming and additional mathematics are of particular value. Those students who anticipate continuing for a doctorate in graduate school are encouraged to take a foreign language, preferably French, German, or Russian.

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

Geology Honors Program
The purpose of the Honors Program is to provide a select group of undergraduate geology majors an opportunity to undertake an intensive, individualized research experience. The culmination of the program is the completion and presentation of an honor's thesis. To apply, interested students should contact the geology undergraduate advisor during the second semester of the student's junior year. Admission to the program requires a GPA of 3.5 in the major and an overall GPA of 3.2.

Requirements for the Minor in Geology
16 credit hours are required, which must include the completion of the introductory sequence courses (4 hours) and any three of the Junior-level sequence courses (12 hours).

Teacher Education Programs
Prospective elementary and secondary school teachers desiring to teach science should include basic courses in geology and related sciences as part of their curriculum.

- GERONTOLOGY (GEY)

Gerontology is the study of the process of human aging in all its many aspects: physical, psychological, and social. In the Department of Gerontology, particular emphasis is placed upon applied gerontology, with the goal of educating students who in their professional careers will work to sustain or improve the quality of life of older persons. Since Gerontology is an interdisciplinary field, dual majors with other departments are encouraged. The Department offers the degrees of Bachelor of Arts in Gerontology, Bachelor of Science in Gerontology, a minor in Gerontology, and Master of Arts in Gerontology. The Department of Gerontology also hosts the university-wide Ph.D. in Aging Studies, and offers 3 graduate certificates in Gerontology.

Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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 prerequisites listed below. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

ACG X021 Financial Accounting or ACG X001
ACG X071 Managerial Accounting or ACG X110 or ACG X630
CSG X000 Computers in Business or EME X402, COC X317, CSG X101, X361, X001, X060, or X051, CEG 1061
GEY X000 Introduction to Gerontology
STA X122 Social Science Statistics or QMB 2150, STA 2022, STA X013, STA X014, 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 2022, STA X013, STA X014, STA X040, STA X023, STA X024, or QMB X100. 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. A grade of lower than "C-" in Gerontology courses will not be counted toward fulfilling the requirements for the major.

Required Courses:

GEY 2000 Introduction to Gerontology (3)
GEY 3326 Aging in the 21st Century (3)
GEY 3601 Physical Changes and Aging (3)
GEY 3625 Sociocultural Aspects of Aging (3)
GEY 4401 Research Methods in Gerontology (3)
GEY 4612 Psychology of Aging (3)

A required prerequisite is STA 2122.

B.A. students complete 18 additional elective hours, which may include field placement. Students should meet frequently with the departmental advisor to plan courses and field work that will prepare the student for career goals.

Requirements for the Major in Gerontology (B.S.)

The Bachelor of Science Degree in Gerontology is a 39 semester hour specialist degree which, in addition to providing students with a basic education in gerontology, is intended to prepare them for entry level positions in Nursing Home Administration. It is especially appropriate for students who intend to begin working immediately following completion of the degree program. A grade of lower than "C-" in Gerontology courses will not be counted toward fulfilling the requirements for the major.

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 4461 Death and Dying (3)
GEY 4945 Field Placement (9)
MAN 3025 Principles of Management (3)
MAN 3240 Organizational Behavior Analysis (3)
MAN 3301 Human Resource Management (3)

Students also complete the following fifteen (15) hours of prerequisites: ACG 2021, ACG 2071, CGS 2100, GEY 2000, and GEY 3326.

These courses are intended to reflect educational requirements mandated by the State of Florida and specified in Chapter 21z.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 administration, 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)
or GEY 3326 Aging in the 21st Century (3)

Required: Choose 2 of the following 3 courses

GEY 3601 Physical Changes and Aging (3)
GEY 3625 Sociocultural Aspects of Aging (3)
GEY 4612 Psychology of Aging (3)

Electives:

Six additional GEY credit hours.

• GOVERNMENT & INTERNATIONAL AFFAIRS (INT/POL/PAD)

The Department of Government and International Affairs includes programs in International Studies, Political Science, and Public Administration. Its goal is to provide students the opportunity to study the nature of government, politics and administration at the local, national and international levels, as well as the interdisciplinary nature of the international system. Towards that end it offers students a choice of two undergraduate degrees, one in International Studies and another in Political Science. The Department of Government and International Affairs provides students with a range of courses of study and areas of concentration, including electives offered through the Public Administration program. For more specific details students are advised to consult the description of each specific program below.

INTERNATIONAL STUDIES (INT)

The major in International Studies enables students to undertake programs of study which emphasize (a) preparation for careers in international activities, or (b) the study of particular international themes or topics, or (c) the study of particular regions or cultures. Each student develops a course of study designed to fulfill his or her career and educational goals in consultation with the International Studies Advisor.

Requirements for the Minor 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 with 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: AFS 2250, Culture and Society in Africa, ANT 2410, Cultural Anthropology; GEA 2000, World Regional Geography; CPO 2002, Comparative Politics; INR 2002, Introduction to International Relations; REL 2300, Introduction to World Religions; or GEB 2350, Doing Business Around the World.
Upper-level Course Requirements

The major consists of a minimum of 37 semester hours. At least 18 of these hours (six courses) must be from the International Studies Program offerings. The six required courses are

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3003</td>
<td>Introduction to International Studies</td>
<td>3</td>
</tr>
<tr>
<td>INR 3081</td>
<td>International Issues and Actors</td>
<td>3</td>
</tr>
<tr>
<td>INR 3038</td>
<td>International Wealth and Power-SS</td>
<td>3</td>
</tr>
<tr>
<td>INR 4936</td>
<td>Senior Seminar -MW</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus one topical and one area studies course chosen from the INT upper division electives.

It is recommended that the student complete INR 3003 before taking INR 3081.

The additional 19 hours may be selected from elective courses from within the International Studies Program or from course offerings of other departments, which are approved by the major advisor as having adequate international or cross-cultural content.

With the approval of the major advisor, credits earned in INR 4900 (1-3) and INR 4910 (1-3) may be used to augment or substitute for the foregoing requirements. Students are encouraged, but not required, to engage in study abroad programs, a large number of which have been approved by the USF International Affairs Center. Credits earned in such programs apply toward graduation and many also apply to the INT major. A limited number of internships are available to provide students with real-world experience while earning credits in the major.

Required Supporting Courses

Students must pass a 2000 level foreign language course (that is, at least one semester of foreign language study beyond the first year introductory courses), or complete one year of study of a non-Western language. Students who are bilingual or who are already conversationally fluent or who can translate with facility from a foreign language text are exempt from the above course requirement, but the INT faculty may require demonstration of proficiency.

Students will be provided with academic advice and counsel about other courses offered throughout the university which may support and complement their major program. INT majors should plan their programs in conjunction with 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3003</td>
<td>Introduction to International Studies</td>
<td>3</td>
</tr>
<tr>
<td>INR 3081</td>
<td>International Issues and Actors</td>
<td>3</td>
</tr>
<tr>
<td>INR 3038</td>
<td>International Wealth and Power-SS</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

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 Introduction to Comparative Politics (3)
- INR 2002 Introduction to International Relations (3)
- POS 2041 American National Government (3)
- POT 3003 Introduction to Political Theory (3)
- POS 3713 Empirical Political Analysis (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 POS 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 credit hours) with at least one course from Field I, one course from Field II or III, and one course from any of Fields IV, V, VI, or VII. Core courses must be completed before a course from a given field or field grouping can be taken.

**Field I Political Theory**

- POT 3013 (3) POT 4064 (3) POT 5626 (3)
- POT 4054 (3) POT 4204 (3)

**Field II Comparative Government and Politics**

- CPO 4034 (3) CPO 4930 (3) CPO 5934 (3)

**Field III International Relations**

- INR 3102 (3) INR 3370 (3) INR 4403 (3)
- INR 3038 (3) INR 4355 (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)
## 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.

### FIELD WORK

The Department of Political Science has a field work program that provides students with part-time internships with state and local government and with political parties at the state and local level. Academic credit is available for such internships. For further information, contact the Department of Government and International Affairs.

### HONORS IN POLITICAL SCIENCE

The Honors Program in Political Science is designed for the outstanding undergraduate who seeks an intensive learning experience plus academic recognition during the senior year. The program requires:

**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) thesis proposal must be approved by the student’s major professor before s/he begins writing;
  - b) students need two academic advisors who must approve the final version of the thesis;
  - c) students will publicly present their thesis and provide a copy of it to the department after the final draft has been approved;
  - d) the thesis must be at least 50 pages long, contain an abstract, table of contents, bibliography and footnotes/endnotes;
  - e) all theses are due during the last week of classes for the semester in which the student is currently enrolled.

## Requirements for the Pre-Law Plan in Political Science

The Political Science Program offers a pre-law plan designed for the undergraduate students who are considering a career 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 with 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>American History I</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>English—Essay Writing</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>World Civilization I</td>
</tr>
<tr>
<td>EUH 1101</td>
<td>World Civilization II</td>
</tr>
<tr>
<td>INR 3112</td>
<td>State and Local Government</td>
</tr>
<tr>
<td>INR 2112</td>
<td>State and Local Government</td>
</tr>
<tr>
<td>POS 2112</td>
<td>American Foreign Policy</td>
</tr>
<tr>
<td>SPC 2600</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>

## 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 3002 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 4144 Nonprofit Organizations and Public Policy
- PAD 4204 Public Financial Administration
- PAD 4419 Personnel and Supervision in Today’s Organizations
- PAD 4707 Managing Information Resources in the Public Sector
- PAD 4930 Selected Topics in Public Administration and Public Policy
- 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 Urban and Local Government Administration
- PAD 5836 Comparative Public Administration
- POS 5159 Urban Policy Analysis

An undergraduate minor in Public Administration has recently been approved. 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. If students transfer with fewer than 60 semester hours of acceptable credit, they must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should 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 which should be, 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. A minimum grade of “C” or better must be attained in each course counted toward the 32 hours of history. Grades of “D” or “F” in history coursework will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. It is recommended that history majors take ENC 3310, “Advanced Expository Writing,” SPC 2600, “Public Speaking,” LIS 2937, “Library and Internet Research Skills,” and computer service courses. Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Sociology, Women’s Studies, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language. Open University courses and exit courses titled “Issues in History” (HIS 3938) and “War and Society” (HIS 3308) 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 2 hours taken at another institution. 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 and exit courses titled “Issues in History” (HIS 3938) and “War and Society” (HIS 3308) are not eligible for major field credit.

- HUMANITIES & AMERICAN STUDIES (HUM/AMS)
The Department of Humanities and American Studies offers students a choice of two undergraduate degrees, one in Humanities and one in American Studies. Students may also minor in each area. For more specific details, students are advised to consult the description of each specific program below.

HUMANITIES (HUM)
The Humanities Program offers an interdisciplinary curriculum that investigates the visual arts, music, literature, and the cultures from which they emerge.

Requirements for the Major in Humanities
Recommended Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students are encouraged to complete the following major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- ENC 1101 Composition I (3)
- ENC 1102 Composition II (3)
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 with 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.

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020 American History II</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>AMS 2030 (Introduction to American Studies)</td>
<td>3</td>
</tr>
<tr>
<td>AMS 2201 (Colonial American Culture)</td>
<td>3</td>
</tr>
<tr>
<td>AMS 2212 (Nineteenth-Century American Culture)</td>
<td>3</td>
</tr>
<tr>
<td>AMS 2270 (Twentieth-Century American Culture)</td>
<td>3</td>
</tr>
<tr>
<td>AMS 4804 (Major Ideas in America)</td>
<td>3</td>
</tr>
<tr>
<td>AMS 4935 or AMS 4936</td>
<td>4</td>
</tr>
<tr>
<td>Additional AMS credit hours</td>
<td>9-10</td>
</tr>
</tbody>
</table>

Course Requirements for the American Studies Major

1. One 2000-level survey course, either AMS 2201 (Colonial American Culture), AMS 2212 (Nineteenth-Century American Culture) or AMS 2270 (Twentieth-Century American Culture). 3 credits.
2. AMS 2030 (Introduction to American Studies) 3 credits
3. One additional 3000-level period course (e.g. AMS 3230, AMS 3001, AMS 3260). 4 credits.
4. One 3000- or 4000-level regions or genre course (e.g. AMS 3210, AMS 3601, AMS 4152, PGY 3000). 3 or 4 credits.
5. AMS 4804 (Major Ideas in America). 3 credits.
6. One 4000-level Research Seminar (AMS 4935 or AMS 4936). 4 credits.
7. 6 additional AMS credit hours.
8. 9-10 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

Requirements for the Minor in American Studies

18 credit hours distributed as follows:

1. One 2000-level survey course (AMS 2201, AMS 2212, AMS 2270). 3 credits.
2. AMS 2030 (Introduction to American Studies). 3 credits.
3. 6 additional AMS credit hours.
4. 6 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

• INTERDISCIPLINARY NATURAL SCIENCES (INS)

The Interdisciplinary Natural Science degrees serve the academic and career goals of undergraduate students who seek a broad education in the Natural Sciences (Biology, Chemistry, Physics, Mathematics, Geology). There are two Interdisciplinary Natural Science degrees, the Interdisciplinary Natural Science degree (INS) which encompasses all five natural science disciplines and the Interdisciplinary Natural Science degree, Health Professions track (INH) specializing in the science courses for the health professions.

For information on teacher certification in science or mathematics, prospective teachers should consult the section entitled Teacher Education Programs and also consult the College of Education section of the catalog.

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students are encouraged to complete as many of the following courses as possible, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology I and Biology II</td>
<td>(BSC 2010, 2010L, BSC 2111, 2111L)</td>
</tr>
<tr>
<td>Calculus</td>
<td>6-8</td>
</tr>
<tr>
<td>(MAC 2241, MAC 2242 or MAC 2311, MAC 2312)</td>
<td></td>
</tr>
<tr>
<td>General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>(CHM 2041, CHM 2045L, CHM 2046, CHM 2046L)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>(CHM2210, CHM2210L, CHM2211, CHM2211L)</td>
<td>8</td>
</tr>
</tbody>
</table>
General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L) 8
Introduction to Physical Geology and History of the Earth and Life (GLY 2010, GLY 2015L, GLY 2100, GLY 2100L) 8

Requirements for the Major in Interdisciplinary Natural Sciences

Coursework required for Interdisciplinary Natural Science majors:

TIER 1
Two introductory courses in each of 5 natural sciences areas (Math, Physics, Chemistry, Biology, Geology) totaling 40 hours:

Calculus I and II
(MAC 2241, 2242 or MAC 2311, 2312 or MAC 2281, 2282)
(STA 2023 could be substituted for Calculus II)

Biology I and II
(BSC 2010, 2010L and BSC 2011, 2011L)

General Chemistry I and II
(CHM 2045, 2045L and CHM 2046, 2046L)

Geology I and II
(GLY 2010, 2015L and GLY 2100, 2100L)

Physics I and II
(PHY 2053, 2053L, 2054, 2054L, or PHY 2048, 2048L, 2049L)

TIER 2
At least 8 hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas, totaling 24 hours. All Tier 2 courses in the sciences will be selected by the individual student, but must be chosen from the list of courses approved for department Major credit.

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

Requirements for the Major in Interdisciplinary Natural Sciences, Health Professions Track

The Interdisciplinary Natural Science Degree Health Professions track (INH) is designed to fulfill the major requirements for many professional schools in the Health Sciences (e.g., Medicine, Veterinary Medicine, Dentistry). Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. For the INH track, students must complete a minimum of 56 credit hours in natural sciences with a C- or higher in all required courses for the Major.

Required Natural Science Courses:

Biology:
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)
MCB 3030C General Microbiology (4)
BSC 2093 Human Anatomy and Physiology II* (3)
BSC 2094 Human Anatomy and Physiology II* (3)

Chemistry:
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 (1)
CHM 2211L Organic Chemistry II Lab (1)
CHM 3120C Elementary Analytical Chemistry (4)
BCH 3023 Introductory Biochemistry (3)
CHS 4300 Fundamentals of Clinical Chemistry (3)
Mathematics:
MAC 2241 Life Sciences Calculus I (4)
MAC 2242 Life Sciences Calculus II (4)
STA 2023 Introductory Statistics (4)

Required Biology Electives:
Minimum of 6 credit hours in TWO of the following courses. One course must be with lab. Select from the following courses, noting prerequisites where applicable:

MCB 4115 Determinative Bacteriology (5)
MCB 4404 Microbial Physiology and Genetics (4)
MBC 4404L Microbial Physiology and Genetics Lab (3)
MBC 5815 Medical Mycology (3)
MCB 4502 Virology (3)
PCB 3023 Cell Biology (3)
PCB 3023L Cell Biology Lab (1)
PCB 3063 General Genetics (3)
PCB 3063L Genetics Lab (1)
PCB 4064C Experimental Genetics (3)
PCB 5235 Principles of Immunology (3)

Required Natural Science Electives:
Minimum of 7 credit hours in Biology, Chemistry, or Physics. Select from the following list, noting prerequisites where applicable, and not duplicating courses used to meet the above requirements:

BCH 3023 Biochemistry (3)
BCH 3023L Biochemistry Lab (1)
BCH 4034 Advanced Biochemistry (3)
CHM 3120C Elem. Analytical Chemistry (4)
CHS 4300 Clinical Chemistry (3)
CHS 4301L Clinical Chemistry Lab (2)
HSA 4120 Introduction to Public Health (3)
HSC 4554 Survey of Human Disease (5)
MBC 4115C Determinative Bacteriology (5)
MBC 4404 L Microbial Phys/Genetics (4)
MBC 4404L Microbial Phys/Genetics Lab (1)
MBC 4502 Virology (3)
MCB 5206 Pub. Health/Pathogenic Micro (3)
MBC 5815 Medical Mycology (3)
PCB 3023 Cell Biology (3)
PCB 3023L Cell Biology Lab (1)
PCB 3063 General Genetics (3)
PCB 3063L General Genetics Lab (1)
PCB 4064 Experimental Genetics (3)
PCB 4723 Animal Physiology (3)
PCB 4723L Animal Physiology Lab (1)
PHY 2053 Physics I (3)
PHY 2053L Physics I Lab (1)
PHY 2054 Physics II (3)
PHY 2054L Physics II Lab (1)
ZOO 4753C Histology (4)

*NOTE: Students may substitute General Physics I and II (PHY 2053, PHY 2053L; PHY 2054, PHY 2054L) for BSC 2093, BSC 2094 (Human Anatomy and Physiology). At least 12 hours of upper division science courses must be completed as USF.
**INTERDISCIPLINARY SOCIAL SCIENCES (ISS)**

The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

In addition to classes at the Tampa and regional campuses, students have the option of attending USF classes in the Interdisciplinary Social Sciences program at either the St. Petersburg College campus in Clearwater or at the Pasco-Hernando Community College campus. For information about Clearwater or Pasco-Hernando Community College classes, call (727) 553-1511.

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 with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

There are no State Mandated Common Prerequisites for the ISS degree program.

Some of the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses, could count toward the ISS degree. A grade of "C" is the minimum acceptable grade.

- **AFA 2000** Black Experience (3)
- **AMH 2010 or 2020** American History (3)
- **ANT 2000** Introduction to Anthropology (3)
- **ECO 2013** Economic Principles (3)
- **ECO 2023** Economic Principles (Macroeconomics) (3)
- **ECO 2033** Economic Principles (Microeconomics) (3)
- **GEA 2000** World Geography (4)
- **POS 2041** National Government (3)
- **or**
- **POS 2112** State and Local Government (3)
- **SYG 2000** Introduction to Sociology (3)
- **WST 3015** Women's Studies (3)

**Interdisciplinary Core Courses**

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human life and experience, the various concepts, theories and methods used in the social sciences, and apply them to contemporary issues and questions. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

**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 OM (3)

2. The ISS student chooses between two cognate areas and completes twelve hours in each. Twenty available cognates (listed below) range from Africana Studies, to Criminology, 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 years, particularly before too many courses are completed in the College of Arts and Sciences. No student should assume that courses already completed in CAS will automatically count toward the ISS degree.

4. The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.

5. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.

6. ISS majors must satisfy two semesters of a foreign language in order to graduate.

7. Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.2, developed with the approval of the advisor. This course of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

**No 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, CCJ, EGN, EYR, GEY, GPY, HTY, HUM, INT, ITT, LAS, LSH, PAD, POL, PSY, SOC, SOW, and WST. |

**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 with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

**Program Admission Procedure and Upper-level Course Requirements:**

Students must apply for admission to the program separately from applying to the university. To apply for the Liberal Studies Program, students must (1) have completed a minimum of 20 and no more than 80 semester hours, (2) have a minimum overall grade point average of 3.00 at the time of admission, and (3) submit a written proposal and program of study, explaining the student’s special academic circumstances and goals for which this major is appropriate. This proposal must be approved by a faculty committee of three professors (Chair to be selected by the student) to be assembled by the student and the Director of the Major who is located in the Dean's Office.

The student must complete the General Education Requirements (and all other University requirements), and a minimum of 4 semesters of one foreign language. The remaining hours will be devoted to interdisciplinary study in the College of Arts and Sciences. Ideally, the hours will include courses in the social sciences, humanities, and natural sciences. In the student’s last semester, the faculty committee must approve a senior paper.
For information, contact the Associate Dean for Academic Affairs in BEH 201.

- **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.

- **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 practical knowledge 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. 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). Students also should note that the Mass Communications 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.

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 disqualified as majors in the School. A 2.7 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than "C" in any Mass Communications course.

The Mass Communications major requires six hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of a combination of required and elective sequence courses for a total of 37 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC 2100) are a part of the graduation requirement.

Mass Communications majors are required to take a minimum of 80 hours in courses outside the journalism and mass communications areas, with no fewer than 45 hours in basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the School program advisor.) To facilitate this, no more than 44 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement. Mass Communications majors taking more than 44 hours of Mass Communications courses, regardless of the departments in which those courses are listed, must add those hours to the 124 hours required for graduation. In particular, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

At least twenty-two (22) hours of resident School courses are required.

All material submitted by students as assignments in writing, reporting, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The School uses a variety of print and electronic media outlets.

Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement.

Most Mass Communications courses have prerequisites as specified in the course description (these prerequisites are separate from the State Mandated Common Prerequisites for all students 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 be taken to fulfill General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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 must complete 18 semester hours outside the Mass Communications curriculum and beyond the 36 hours general education requirements 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 encour-
2. JOURNALISM

Requirements

Prior to being admitted to the School of Mass Communications, a student must:

- Complete a minimum of 45 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.7 overall GPA, and pass a School-administered English Diagnostic Test.

- A maximum of nine semester hours in Mass Communications courses will be accepted from a community college or other lower-level program toward a degree in Mass Communications. It is suggested that the nine hours include the equivalent of the School core curriculum and one sequence introduction course. Approval by an appropriate advisor is required.

Required Upper-level Coursework for the Mass Communications Major

SCHOOL CORE CURRICULUM
- MMC 2100 Writing for the Mass Media
- MMC 3602 Mass Comm and Society

SEQUENCE REQUIREMENTS
1. ADVERTISING Requirements
- ADV 3000 Introduction to Advertising
- ADV 3101 Advertising Copywriting
- ADV 3300 Advertising Media Strategy
- ADV 3501 Advertising Research
- ADV 4800 Advertising Campaigns
- ADV 4940 Advertising Practicum
- MMC 4203 Media Ethics

Selective Requirements (12 hours required, selected with advisor's approval)

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

- ECO 1000 Basic Economics
- 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.

Visual Communications Option

Departmental Core Curriculum:
- MMC 2100 Writing for the Mass Media
- MMC 3602 Mass Comm and Society

Sequence Core Curriculum (all 9 courses required):
- JOU 2100 Beginning Reporting
- JOU 4200 News Editing I
- JOU 4206 Newspaper and News Publication Design
- MMC 4200 Communication Law
- MMC 4203 Media Ethics
- MMC 4936 Selected Topics: Visual Communication and New Media
- PGY 3610 Photojournalism I
- VIC 3001 Introduction to Visual Communications
- VIC 3943 Visual Communications Practicum

Suggested Selective Requirements (minimum 6 hours):
- Approved Mass Communications courses

Required Courses Outside Mass Communications:
- An advisor-approved 6-hour concentration

or
- ECO 1000 Basic Economics
- SYG 2010 Contemporary Social Problems

3. PUBLIC RELATIONS Requirements

News-Editorial Option
- JOU 2100 Beginning Reporting
- JOU 3101 Advanced Reporting
- JOU 4104 Public Affairs Reporting
- JOU 4200 News Editing I
- MMC 4200 Communications Law
- MMC 4203 Media Ethics

Selective Requirements (10 hours required, selected with advisor's approval)

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

- ECO 1000 Basic Economics
- LIS 2937 Library and Internet Research Skills
- MAR 3023 Basic Marketing

See specific courses for prerequisites.

Visual Communications Option

Departmental Core Curriculum:
- MMC 2100 Writing for the Mass Media
- MMC 3602 Mass Comm and Society

Sequence Core Curriculum (all 9 courses required):
- JOU 2100 Beginning Reporting
- JOU 4200 News Editing I
- JOU 4206 Newspaper and News Publication Design
- MMC 4200 Communication Law
- MMC 4203 Media Ethics
- MMC 4936 Selected Topics: Visual Communication and New Media
- PGY 3610 Photojournalism I
- VIC 3001 Introduction to Visual Communications
- VIC 3943 Visual Communications Practicum

Suggested Selective Requirements (minimum 6 hours):
- Approved Mass Communications courses

Required Courses Outside Mass Communications:
- An advisor-approved 6-hour concentration

or
- ECO 1000 Basic Economics
- SYG 2010 Contemporary Social Problems

4. TELECOMMUNICATIONS Requirements

News Option
- JOU 4104 Public Affairs Reporting
- MMC 4200 Communications Law
- MMC 4420 Research Methods
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4304 TV News
- RTV 4320 Electronic Field Production
The Department of Mathematics offers a diversity of courses in mathematics itself, but also to enhance the student's competence in the fields of engineering, the physical sciences, the life sciences, and the social sciences. The department offers programs leading to the B.A., M.A., and Ph.D. degrees. The undergraduate program emphasizes the broad nature of modern mathematics and its close associations with the real world. The program is designed to prepare students for entry into graduate school or careers in industry or secondary education.

The Department of Mathematics consists of approximately 33 full-time faculty members, whose areas of interest include: algebra, applied mathematics, approximation theory, celestial mechanics, complex analysis, dynamical systems, functional analysis, graph theory, logic, number theory, ordinary differential equations, partial differential equations, potential theory, probability theory, real analysis, statistics, theoretical computer science, and topology.

Requirements for the Major in Mathematics

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF from a Florida Community College should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- COP XXXX Computer Language Course (Pascal, FORTRAN, C, C+, or C++)
- MAC X311 Calculus I
- MAC X312 Calculus II
- MAC X313 Calculus III
- MMC 2100 (3) MMC 3602 (3)
- MGF 3301 Bridge to Abstract Mathematics
- MAS 3105 Linear Algebra
- PHI 1103 Critical Thinking
- PHI 2100 Introduction to Urban Politics and Government
- SPC 2600 Public Speaking
- PHI 1103 Critical Thinking
- POS 2041 American National Government
- POS 2112 State and Local Government and Politics
- RTV 2100 Writing for Radio and TV
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4220 TV Production and Direction
- RTV 4320 Electronic Field Production
- RTV 4500 Telecommunications Programming

Selective Requirements (9 hours required, selected with advisor’s approval)

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

- CRW 2100 Narration and Description
- ENC 3310 Expository Writing
- PHI 1103 Critical Thinking

Requirements for the Minor in Mass Communications

The minor in Mass Communications is available to students pursing 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.

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 (Minimum 45 credit hours)

Core Requirement. Majors must complete the following five courses (20 cr. hrs.):

- MAC 2311 Calculus I
- MAC 2312 Calculus II
- MAC 2313 Calculus III
- MGF 3301 Bridge to Abstract Mathematics
- MAS 3105 Linear Algebra

Analysis Requirement. Majors must complete one of the following two courses (4 credit hours):

- MAA 4211 Intermediate Analysis I
- MAS 4156 Vector Calculus

Majors who complete both MAA 4211 and MAS 4156 may count one of these towards the Elective Requirement below.

Elective Requirement. Majors must complete seven courses from the following electives (Minimum 21 credit hours):

- CGS 3414 Problem Solving Using Pascal or C
- COP 4313 Symbolic Computations in Mathematics
- MAA 4211 Intermediate Analysis I
- MAA 4212 Intermediate Analysis II
- MAA 4402 Complex Variables
- MAD 4401 Numerical Analysis
- MAD 4504 Theory of Computation
- MAD 5305 Introduction to Graph Theory
- MAP 2302 Differential Equations
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 STA4321.

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 credit hours)
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 grade point average for all college courses, and
3. have at least a 3.5 grade point average for mathematics courses.
Applications are submitted to the Undergraduate Committee of the Department of Mathematics. The requirements for a B.A. degree in mathematics with honors are as follows:
1. completion of the requirements of the major in mathematics,
2. completion of MAA 4211, Intermediate Analysis I,
3. completion of MAT 4970, Mathematics Senior Thesis,
4. completion of eight mathematics courses at or above the 4000-level,
5. at least a 3.0 average for all college courses, and
6. at least a 3.5 average for mathematics courses.

ACCELERATED BA/MA PROGRAM
This program is designed for superior students having a solid background in high school mathematics and the ability to handle a fast paced, challenging program leading to a BA and MA degree in mathematics in four to five years.
The program meets all the requirements for the BA degree, but requires the student to take those graduate level courses required for the MA degree during the last two years in the program. Up to 20 hours of graduate courses may be counted towards the MA degree as well as the BA degree, but not towards the undergraduate major (that is, as free electives).

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 credit hours)
   Either
   - MAC 2311 Calculus I
   - MAC 2312 Calculus II
   - MAC 2313 Calculus III
   Or
   - MAC 2281 Engineering Calculus I
   - MAC 2282 Engineering Calculus II
   - MAC 2283 Engineering Calculus III
   Also, both of the following:
   - MGF 3301 Bridge to Abstract Mathematics
   - MAS 3105 Linear Algebra

2. Elective Courses (Min. 6 credit hours)
   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 College of Education, Department of Secondary Education.

C- GRADES
In general, grades of C- or better are required for courses in the mathematics major and minor and for prerequisite courses. However, C- is not acceptable for prerequisites for the following courses: MAC 1105, MAC 1114, MAC 1140, MAC 1147, MAC 2241, MAC 2343, MAC 2244, MAC 2281, MAC 2282, MAC 2283, MAC 2311, MAC 2312, MAC 2313, MGF 1106, MGF 1107, MGF 1131, STA 1022, STA 2023; C (2.00 grade points) or better is required in the prerequisites for these courses.

- 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.
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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 with 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. BSC1010C, BSC1011C, BSC1010/1010L, BSC1011/1011L, BSC2010/2010L, PCB2111C, PCB2131/2131L, BSC2011L)
2) Human Anatomy and Physiology I with lab (e.g. BSC1065/1065L, BSC1085C, BSC1093, BSC2093C, BSC2085/2085L, BSC1011, BSC2011, PCB4703, PCB3703, PCB3702, PCB3702/3.4 (student’s choice of one of these three labs), PCB3703C, BSC2085C, BSC2022C)
3) Human Anatomy and Physiology II with lab (e.g. BSC1086/1086L, BSC1086C, BSC2094C, ZOO3733C, ZOO3733, PCB3134C, PCB3134/3134L, BSC2094L, BSC2096, BSC2011, PCB2510/2510L, BSC2086C)
4) General Microbiology with lab (e.g. MCB3020/3020L, MCB1302/1302C, MCB1303/1303L, MCB2032/2032L, MCB3020C, MCB2012/2012L)
5) General Chemistry I with lab (e.g. CHM1045/1045L, CHM1045C, CHM2045/2045L, CHM2046/2046L, CHM2046C)
6) General Chemistry II with lab (e.g. CHM1046/1046L, CHM1046C, CHM2046/2046L)
7) Organic Chemistry I with lab (e.g. CHM2211/2211L, CHM2211C, CHM2211/2211L, CHM3120/3120L, CHM2212/2212L, CHM2112/2112C)
8) Organic Chemistry II with lab (e.g. CHM2211/2211L, CHM2211C, CHM2211/2211L, CHM3120/3120L, CHM2212/2212L, CHM2112/2112C)
9) Statistics (e.g. STA2023, STA2054, STA2112, STA2037, STA2040, STA2024, STA2321, STA3023)

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:
- College Algebra (MAC 1105 or MAC 1147)
- Determinative Bacteriology (MCB 4115)
- Immunology (PCB 5235 or equivalent)
- Clinical Chemistry (CHS 4300)
- Cell Biology (PCB 3023)

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 Urinalysis 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) for Students Transferring 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 with 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
- b. PHI 2101 Introduction to Formal Logic
- c. PHI 5135 Symbolic Logic
- d. PHI 4670 Contemporary Ethical Theory
- e. At least one of the following:
  - PHI 4300 Theory of Knowledge
  - PHI 5225 Philosophy of Language
  - PHI 4320 Philosophy of Mind
- f. 6 credit hours of 4000 or 5000 level Philosophy courses
- g. 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 3400 History of Philosophy: Modern
PHH 4600 Contemporary Philosophy
or
PHH 4440 Continental Philosophy
PHI 2101 Introduction to Formal Logic
No credit taken on an "S/U" basis may be applied toward the minor.

HONORS PROGRAM

The Honors Program in Philosophy allows superior students to pursue philosophical studies at a more advanced level than is customary in undergraduate philosophy programs. Students in the Honors Program will be required to do independent research, to participate in an Honors Seminar, and to write and defend an undergraduate thesis.

Admission Criteria:
1. Students must complete
   PHI 2101 Introduction to Formal Logic
   PHH 3062 History of Philosophy: Ancient and Medieval
   PHH 3400 History of Philosophy: Modern with a grade point average of 3.6.
2. Students must have an overall grade point average of 3.0, and their grade point average in Philosophy must be at least 3.5.
3. Students must be nominated for admission into the Philosophy program by a faculty member in Philosophy, and a majority of the faculty who have taught the student must approve the student's admission into the program.

Program Requirements:
Students must complete the requirements for the Philosophy major in accordance with the following provisions:
1. Students must take either PHH 4440, 19th Century Continental Philosophy or PHH 4600, Contemporary Philosophy
2. Students must take one course from each of the following groups:
   Group 1
   PHI 3404 Scientific Method
   PHI 4320 Philosophy of Mind
   PHI 4300 Theory of Knowledge
   PHI 5225 Philosophy of Language
   PHP 4784 Analytical Philosophy
   Group 2
   PHI 4600 Contemporary Ethical Theory
   PHI 3601 Contemporary Moral Issues
   PHI 3700 Philosophy of Religion
   PHI 4800 Aesthetics
   PHM 3021 Philosophies of Love and Sex
   PHH 3400 Introduction to Philosophy of Law
   Group 3
   PHM 3100 Social Philosophy
   PHM 4322 Ancient and Medieval Political Philosophy
   PHM 4331 Modern Political Philosophy
   PHM 4340 Contemporary Political Philosophy
   PHP 4788 Philosophy of Marxism
   Group 4
   PHP 4700 American Philosophy
   PHP 3786 Existentialism
   PHP 4000 Plato
   PHP 4010 Aristotle
   PHP 4410 Kant
   PHP 4740 The Rationalists
   PHP 4745 Empiricists
3. Students must take an Honors Seminar in their senior year.
4. Students must write a senior thesis and undergo an oral examination on the thesis before a committee of two faculty members, with the Chair as an ex officio member of every such committee.
5. Students cannot receive a grade lower than a "B" in any Philosophy course, and their grade point average in Philosophy must be at least 3.5 to remain, or be graduated from the Philosophy Honors program.
6. Students must complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.

PHYSICS (PHY/PHS)

The Department of Physics offers undergraduate programs leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree. The B.A. program is designed for students interested in a more general education in physics. The curriculum allows enough flexibility in electives to enable students to combine a physics major with another major in such areas as mathematics, biology, chemistry, computer science, engineering, business, and teacher education. The B.S. program is for students planning to pursue graduate 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 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 with 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 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 credit hours)
     - PHY 2048 General Physics I (3)
     - PHY 2048L General Physics I Lab (1)
     - PHY 2049 General Physics II (3)
     - PHY 2049L General Physics II Lab (1)
     - PHY 3101 Modern Physics (3)
     - PHY 3221 Mechanics I (3)
     - PHY 3822L Intermediate Lab (2)
     - PHY 3323C Electricity and Magnetism I (4)
   * B.S. PHYSICS (PHS) (106 credit hours)
     - PHY 2048 General Physics I (4)
     - PHY 2048L General Physics I Lab (1)
     - PHY 2049 General Physics II (4)
     - PHY 2049L General Physics II Lab (1)
     - PHY 3009 Electricity and Magnetism II (3)
     - PHY 3101 Modern Physics (3)
     - PHY 3221 Mechanics I (3)
     - PHY 3222 Mechanics II (3)
     - PHY 3822L Intermediate Lab (2)
     - PHY 3323C Electricity and Magnetism I (4)
**Requirements for the Major in Psychology**

### Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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.

### Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see College of Education, Department of Secondary Education; for junior college teachers, see USF Graduate Catalog.

- **PSYCHOLOGY (PSY)**

Psychology involves the scientific study of behavior and mental processes. Because of this focus, psychology is relevant to many other areas of study both inside and outside of the social and behavioral sciences. The undergraduate program in Psychology offers the student a well-rounded liberal arts education. In addition, the program provides excellent training for qualified students who wish to pursue graduate work in such disciplines as Clinical, Cognitive and Neural Sciences or Industrial Psychology, Education, Gerontology, Counseling, Management, Medicine, Law, and other human service programs. The undergraduate major emphasizes the breadth of psychology while allowing the student some electives to pursue in depth a particular aspect of the field. Interested undergraduate majors may apply for admission to a concentration in Applied Behavioral Analysis, or to the Honors Program. The graduate faculty of the Psychology Department are divided into three broad program areas: Clinical, Cognitive and Neural Sciences, and Industrial/Organizational. Each of these program areas offers Ph.D.-level training as well as instruction at the undergraduate level.

### Requirements for the Major in Psychology

#### A minor in Psychology consists of 19 credit hours which includes:

**Required Courses**

- **PHY 2048** General Physics I (3)
- **PHY 2049L** General Physics I Lab (1)
- **PHY 2049** General Physics II (4)
- **PHY 2049L** General Physics II Lab (1)
- **PHY 3101** Modern Physics (3)
- **PHY 3221** Mechanics I (3)
- **PHY 3822L** Intermediate Lab (2)
- **PHY 3323C** Electricity and Magnetism I (4)
- **PHY 4222** Mechanics II (3)
- **PHY 4930** Undergraduate Seminar (1)
- **PHY 4324C** Electricity and Magnetism II (4)
- **PHY 4604** Intro. Quantum Mechanics (3)
- **PHY 4910** Undergraduate Research (1-4)
- **PHY 4823L** Advanced Laboratory (2)
- **PHY 4523** Statistical Physics (3)
- **PHZ 5405** Solid State Physics I* (3)
- **Plus 9 credit hours of Physics electives subject to approval of undergraduate advisor.**

#### 2. Required Supporting Courses in Natural Sciences

- **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 2311** or **2281** Calculus I (4)
- **MAC 2312** or **2282** Calculus II (4)
- **MAC 2313** or **2283** Calculus III (4)
- **MAP 2302** Differential Equations (3)

#### 3. Liberal Arts Requirements

[General Education Requirements (36 credit hours); Exit Requirements (9 credit hours)]

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>PHY 2049</td>
<td>General Physics II</td>
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<td>PSY 3044</td>
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<tr>
<td>PSY 4205</td>
<td>Experimental Design and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Other Course Requirements for Psychology Majors

1. **2000/3000 Level Requirement (6 semester hours)**
   - **PSY 2012** Psychological Science I (if not already taken at a community college)
   - **PSY 3044** Psychological Science II

2. **Methods Course Requirement (7 semester hours)**
   - **PSY 3213** Research Methods
   - and one of the following:
     - **CLP 4433** Tests and Measures
     - **PSY 4205** Experimental Design and Analysis
3. 4000 Level Requirement (21 semester hours)

Courses in categories 1 and 2 must be completed before any 4000 level courses are attempted. Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:

- **Group I**
  - EXP 4204C Perception
  - EXP 4404 Psychology of Learning
  - PSB 4013C Physiological Psychology
  - EXP 4304 Motivation
  - EXP 4523C Cognitive Psychology

- **Group II**
  - CLP 4143 Abnormal Psychology
  - INP 4004 Industrial Psychology
  - SOP 4004 Social Psychology
  - DEP 4005 Developmental Psychology
  - PPE 4004 Personality

and any 3 additional courses numbered at the 4000 level.

**Note:** No more than a total of 3 hours of the following courses may count toward the major:
- PSY 4913 Directed Study
- PSY 4970 Honors Thesis

PSY 4932 may not count toward the major. Nor may EAB 4715 (Supervised Practicum) count towards the major for those in the Applied Behavior Analysis program.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3044 and PSY 3213, not "C-". For students minoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213.

For students majoring in Interdisciplinary Social Sciences, any college-level statistics course with a grade of "C" or better may serve as a prerequisite for 4000 level courses in Psychology but does not substitute for the PSY 3213 requirement.

### Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, PSY 3044, and any three 4000-level psychology courses except PSY 4913. Students minoring in Psychology must also obtain a "C" or better in any college-level statistics course in lieu of PSY 3213, or must complete PSY 3213 with a "C" or better. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

### Concentration in Applied Behavior Analysis

Undergraduate majors working toward the B.A. in Psychology may complete a structured sequence of coursework and practicum in Applied Behavior Analysis. Students are admitted to the program in the junior or senior year, after completing EXP 4404, Psychology of Learning and CLP 4414, Behavior Modification 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 three letters of recommendation. Admissions are 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 Applied 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. This participation in 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, Honors Seminar (6) and PSY 4970, Honors Thesis (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 Education, CLAST, and Rule 6A-10.30 (Gordon Rule) requirements. Minimum admission requirements include a total Verbal-Quantitative score of at least 1000 on the GRE or a "B" average over the last 60 semester hours. All applicants must take the GRE whether or not they have a 3.0 grade-point average. A detailed description of the M.A. program in Rehabilitation and Mental Health Counseling may be found in the Graduate Catalog and on the internet at http://www.cas.usf.edu/rehab_counseling/index.html.

Undergraduates interested in the five-year program (REF) should contact the department during their sophomore year. They should concentrate on taking required courses in their undergraduate major, and should generally defer taking electives until admitted to the five-year program. Applications for the five-year program are available from the Department. GRE scores must be reported to USF before any application can be processed, and three letters of recommendation are required.

### Mission Statement

The mission of the Department of Rehabilitation and Mental Health Counseling is to promote quality services for individuals with differences in abilities and to help the state meet its human service needs in the areas of rehabilitation and mental health through teaching, research and service.

### Objectives

1. To provide students with a sound knowledge of the basic philosophical tenets and relevant historical foundations of rehabilitation and mental health counseling, and to prepare master's level rehabilitation and mental health counselors who adhere to ethical principals, including the belief in human dignity and the right of all individuals to fully participate in society.

2. To prepare master's level rehabilitation and mental health counselors to be critical consumers of information and to encourage participation in research contributing to the expansion of knowledge in the fields of rehabilitation and mental health counseling.
3. To encourage the professional growth and development of master’s level rehabilitation and mental health counselors through the promotion of on-going involvement in the rehabilitation community at the local, state, and national levels, and to promote advocacy on behalf of people with differences in abilities.

Rehabilitation Counselors work in a wide variety of settings, including public and private rehabilitation programs and facilities, mental health treatment settings, and substance abuse treatment settings. Some establish their own private rehabilitation or mental health counseling practices.

Rehabilitation and Mental Health Counseling have roots in both the national rehabilitation movement and professional counseling movement. Training, which includes experiential learning, emphasizes psychological, social, medical, and vocational aspects of disability; and also the development and refinement of personal adjustment and mental health counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation and Mental Health Counseling are prepared for careers as both rehabilitation and mental health counselors. A special elective concentration in substance abuse is offered, and other study concentrations can be arranged on an individual basis.

The graduate program in Rehabilitation and Mental Health Counseling is fully accredited by the Council on Rehabilitation Education (CORE), the national accrediting body for rehabilitation counselor training programs. Upon completion of the program, graduates are eligible to sit for the national certification examination of the Commission on Rehabilitation Counselor Certification. After passing this examination, the graduate is registered with the Commission as a Certified Rehabilitation Counselor (CRC). Within the 60 hour M.A. program, graduates are also able to meet Florida’s educational standards for licensure as a Clinical Mental Health Counselor. The Department offers two, 15-semester hour, graduate certificate programs: (1) Addictions and Substance Abuse Counseling; and (2) Marriage and Family Therapy.

• RELIGIOUS STUDIES (REL)

In Religious Studies, students are exposed to a cross-cultural and multi-disciplinary study of the way in which both individual and civilizations are deeply influenced by human religious experience. The goal is to enable the educated person to understand better the various ways in which religious values and institutions shape human behavior through a comparative study of religions and cultures. Such an education is invaluable for careers as diverse as journalism, law, medicine, business, as well as careers more directly related to the practice of religion. Majors in Religious Studies will also find courses designed to give them the methodological, theoretical and linguistic skills needed to go on to advanced graduate study in the field.

Requirements for the Major in Religious Studies

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at a community college. Some hours required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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 4939 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.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the major at the University of South Florida. This will be decided as soon as the student becomes a major in the Department of Religious Studies at the University of South Florida.

The department’s course offerings are sufficiently varied that a student should expect to enroll in its scheduled classes. No more than three directed studies courses may be applied toward the major. Any student who wishes to take any type of directed study, including REL 3900, must have the (written) approval of his/her instructor.

Requirements for the Minor in Religious Studies

Students choose a total of 18 credit hours from Religious Studies courses. Transfer students may not apply more than 6 credit hours taken elsewhere toward the minor at USF. Only letter grades will be counted for transfer. Requests for transfer of credit must be made to the Undergraduate Director in writing when declaring a minor.

All minors must take

a. REL 3003 Introduction to Religion (3)
b. REL 4939 Development of Religious Studies (3)
c. An additional 12 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the minor at USF. This will be decided as soon as the student declares a minor in the Department of Religious Studies at USF.

• SOCIAL WORK (SOK)

The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

The secondary objectives of the B.S.W. program are to

1. Provide for the social work human resources needs of the university service district (the central Florida west
1. A student must have completed a minimum of one semester as a provisional 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. A grade of "B-" is not acceptable in either "Introduction to Social Work" or "American Social Welfare."
6. A student must have successfully completed CLAST.

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 with 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 the following courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

State Mandated Common Prerequisite Courses (P)

A student must successfully complete the following courses, by earning a "C" or better. A grade of "C-" is not acceptable as a passing grade.

One course in each of the following cognate areas

- XXX XXXX American Government (American National Government or American Government) (3)
- XXX XXXX Biology (Human Biology or Anatomy & Physiology) (3)
- ECO XXXX Economics (Microeconomics or Macroeconomics) (3)
- XXX XXXX Introductory Psychology (3)
- XXX XXXX Introductory Sociology/Social Problems (3)
- ECO XXXX Economics (Microeconomics or Macroeconomics) (3)

Students wishing to transfer to USF should complete the A.A. degree at the community college. After completion, a student will be ready for courses in the provisional social work major, a final step in applying for full admission to the B.S.W. program as a full major. It is necessary to be admitted as a full major before taking core social work courses.

3. Provide an exposure to social work as a profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one’s obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Students may apply for admission to the School for the B.S.W. program after having satisfied the admission criteria described below.

However, the completion of the prerequisites does not guarantee the student’s admission to the program. Limited state funding places constraints on the size of the social work faculty and in order to maintain a high quality of instruction, it is necessary to achieve an appropriate faculty-student ratio. This means that it may be necessary to deny full admission to the B.S.W. program solely on the basis of enrollment capacity. 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. A grade of "C-" is not considered acceptable and a student receiving a "C-" in a core course must repeat the course. Furthermore, no student will be allowed to enter field placement with a "D" grade in any SOW core courses, even if the student's GPA is 2.75 or above with the inclusion of the "D" grade.

Admission to the B.S.W. program is a three-stage process, i.e., common prerequisites, provisional courses, and core curriculum. Any student who holds a minimum of Sophomore standing and is completing common prerequisite work in psychology, science, biology, economics, and social work major. At this stage, students may file a declaration of major form with the College of Arts and Sciences, Office of Graduate and Undergraduate Studies. 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 education at USF or in their course of study at a community college. After completion, a student will be ready for courses in the provisional social work major, a final step in applying for full admission to the B.S.W. program as a full major. It is necessary to be admitted as a full major before taking core social work courses.

Admission requirements for the social work full major are as follows:

1. A student must have completed a minimum of one semester as a provisional 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. A grade of "B-" is not acceptable in either "Introduction to Social Work" or "American Social Welfare."
6. A student must have successfully completed CLAST.

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.
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)

**Total Hours: 36**

### Foundation Courses (P*) for Provisional Social Work Majors (May be completed after transferring to USF).

1. A student must successfully complete by earning a "C" or better one of the following cross cultural courses or equivalency. A grade of "C-" is not acceptable as a passing grade for any of the following courses.

#### African American Studies:
- 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:
- 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)
- SYG 2010 Contemporary Social Problems (3)
- SYG 4800 Gender and Society (3)
- SYP 1000 Basic Economics (3)
- PSY 2012 Psychological Science I (3)
- PSY 3044 Experimental Psychology (3)
- CLP 3003 Psychology of Adjustment (3)
- SYP 3000 Poverty, Inequality, and Stratification (3)

**Total Hours: 12**

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 with 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 3015 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 36 hours of coursework in Sociology must be USF credits. Only courses in which a grade of "C" or better is attained will count toward the minimum hours although lower grades are included in calculating the major GPA.

The minimum of 36 credit hours in Sociology must include the following four core courses (12 hours):

- 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 or 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 SYA4910, Individual Research may count toward the 36 hour minimum.

Students are encouraged to make an appointment to talk 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.

Requirements for the Minor in Sociology

A minor in Sociology consists of a minimum of 18 credit hours of 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 hour minimum; SYG 2412 "Marriage" does not count toward the total number of minimum hours for the minor. Only courses in which a grade of "C" or better is attained will count toward the minimum hours.

While students do not declare a Sociology minor until application for graduation, they are encouraged to make an appointment with the Sociology Department Undergraduate Advisor if they wish to discuss which Sociology electives offered each semester would best meet their educational and career goals.

HONORS PROGRAM IN SOCIOLOGY

The purpose of the Honors Program in Sociology is to provide exceptional undergraduates with advanced, individualized training in research and writing, as well as more direct contact with faculty mentors. Students in the Honors Program can expect more intensive work and greater challenges than sociology students in the senior year ordinarily face; yet, a student is not admitted to the program without the confidence of faculty in his or her ability to complete the program. The rewards upon successful completion of the program include advanced training in research design, data collection, analysis, and scholarly writing—all experiences beyond those normally given to sociology majors. Assuming the student is in good standing at the time of application to graduate school, a letter from the Honors Program director outlining the program's requirements and special features will be sent to each graduate program to which s/he applies. Upon successful completion of the Honors Program requirements, the student's transcript will state that the student graduated with Honors in Sociology.

Requirements for Admission to the Honors Program

1. Completion of the following courses by the end of the Semester II of the junior year with a Grade point Average of at least 3.5:
   - SYG 2000 Introduction to Sociology
   - SYA 3010 Classical Theory
   - SYA 3300 Research Methods
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 his or her willingness in a letter of recommendation to the director of the Honors Program.

Successful completion of the Honors program requires completion of the Sociology program with a GPA of 3.5 or better, completion of Honors Seminar and Honors Colloquium, and completion of Honors Thesis. See Sociology Undergraduate Advisor for more information.

WOMEN'S STUDIES (WST)

Women's Studies at the University of South Florida offers an interdisciplinary field of study that features and critically examines women's experiences, taking into consideration historical, cultural, racial, class, and other differences. The department offers a B.A., a minor in Women's Studies, and a concentration in Women of Color Studies, as well as enhancing knowledge about feminisms and gender studies through teaching, emphasis on multiculturalism and diversity, the department focuses on critical thinking, collaborative learning, and personal empowerment.

Women’s Studies offers excellent undergraduate preparation as well for:
- Those who wish to apply to law school or to graduate study in a variety of fields, e.g., Urban or Medical Anthropology, Counseling Education, Criminal Justice, Gerontology, History, Rehabilitation Counseling, Social Work, Women's Studies
- Those who want to focus on women in specific disciplines or professions; and
- Those whose training would benefit from a close scrutiny of the major issues facing women today.

Requirements for the Major in Women's Studies

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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:

I. Required Core Courses (15 hours)
   - WST 3311 Issues in Feminism (3)
   - WST 4310 History of Feminism in the U.S. (3)
   - WST 4522 Classics in Feminist Theory (3)
   - WST 4935 Capstone/Senior Project (3)
II. Select 21 credit hours from the following list, noting prerequisites where applicable:

- WST 2250 The Female Experience in America (3)
- WST 3210 European Feminist History: Pre-18th Century (3)
- WST 3220 European Feminist History: 18th Century to Present (3)
- WST 3225 Women, Environment and Gender (3)
- WST 3440 Women and Social Action (3)
- WST 4260 Research Issues on Women of Color (3)
- WST 4410 Third World Women Writers (3)
- WST 4335 Women and Film (3)
- WST 4320 Politics and Issues in Women’s Health (3)
- WST 4350 Women and Science (3)
- WST 4560 Contemporary Feminist Theory (3)
- PHI 4632 Feminist Ethics (3)
- POS 4693 Women and Law I (3)
- POS 4694 Women and Law II (3)
- WST 4900 Directed Readings (3)
- WST 4910 Directed Research (3)
- WST 4930 Selected Topics (1-4)
- WST 4932 Literature by Women of Color in the Diaspora (3)
- WST 4942 Literature by American Women of Color (3)
- WST 4943 Literature by Women of Color in the Diaspora (3)
- WST 4944 Literature by Women of Color in the Diaspora (3)
- WST 4945 Literature by Women of Color in the Diaspora (3)
- WST 4946 Literature by Women of Color in the Diaspora (3)
- WST 4947 Literature by Women of Color in the Diaspora (3)
- WST 4948 Literature by Women of Color in the Diaspora (3)
- WST 4949 Literature by Women of Color in the Diaspora (3)
- WST 4950 Literature by Women of Color in the Diaspora (3)
- WST 4951 Literature by Women of Color in the Diaspora (3)
- WST 4952 Literature by Women of Color in the Diaspora (3)
- WST 4953 Literature by Women of Color in the Diaspora (3)
- WST 4954 Literature by Women of Color in the Diaspora (3)
- WST 4955 Literature by Women of Color in the Diaspora (3)
- WST 4956 Literature by Women of Color in the Diaspora (3)
- WST 4957 Literature by Women of Color in the Diaspora (3)
- WST 4958 Literature by Women of Color in the Diaspora (3)
- WST 4959 Literature by Women of Color in the Diaspora (3)
- WST 4960 Literature by Women of Color in the Diaspora (3)
- WST 4961 Literature by Women of Color in the Diaspora (3)
- WST 4962 Literature by Women of Color in the Diaspora (3)
- WST 4963 Literature by Women of Color in the Diaspora (3)
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- WST 4967 Literature by Women of Color in the Diaspora (3)
- WST 4968 Literature by Women of Color in the Diaspora (3)
- WST 4969 Literature by Women of Color in the Diaspora (3)
- WST 4970 Literature by Women of Color in the Diaspora (3)
- WST 4971 Literature by Women of Color in the Diaspora (3)
- WST 4972 Literature by Women of Color in the Diaspora (3)
- WST 4973 Literature by Women of Color in the Diaspora (3)
- WST 4974 Literature by Women of Color in the Diaspora (3)
- WST 4975 Literature by Women of Color in the Diaspora (3)
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- WST 4997 Literature by Women of Color in the Diaspora (3)
- WST 4998 Literature by Women of Color in the Diaspora (3)
- WST 4999 Literature by Women of Color in the Diaspora (3)

Requirements for the Minor in Women’s Studies

A student wishing to minor in Women’s Studies will be required to take six courses:

Required:
- WST 3015
- WST 3311

Electives:
- Plus 15 credit hours with at least 2 courses at the 4000 level and above.

Students who minor in Women’s Studies must be certified by the Undergraduate Advisor.

Minor in “Women of Color”

Women’s Studies offers a specific concentration in the area of Women of Color whose focus will be to examine the relationship between women of color and institutions of power.

The concentration prepares students for graduate work and/or professional careers in traditional and non-traditional areas such as health and education, international relations, the creative arts, law, medicine, social work, government and public policy, the social sciences, and community organization.

The requirements for the minor are 15 hours, which are to be selected from the following upper-level courses:

- AFA 4335 Black Women in America (3)
- WST 4260 Research Issues on Women of Color (3)
- WST 4302 Gender in Cross-Cultural Perspective (3)

- WST 4262 Literature by Women of Color in the Diaspora (3)
- WST 4312 Women in the Developing World (3)
- WST 4410 Third World Women Writers (3)

- WST 4920 Politics and Issues in Women’s Health (3)
- WST 4930 Selected Topics (1-4)
- WST 4940 Third World Women Writers (3)
- WST 4950 Literature by Women of Color in the Diaspora (3)
- WST 4960 Literature by Women of Color in the Diaspora (3)
- WST 4970 Literature by Women of Color in the Diaspora (3)
- WST 4980 Literature by Women of Color in the Diaspora (3)
- WST 4990 Literature by Women of Color in the Diaspora (3)

Requirements for the Major in Classics

Requirements for the Minor in Classics

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

To complete a major in Classics, students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

Upper-Level Coursework for the Classics Major

The Major in Classics requires 10 courses, earning a minimum of 30 credit hours. Of those courses, a minimum of 4 courses must consist of language courses in Latin (LAT or LINW) or in Greek (GRE and GRW), which must include or presuppose LAT 2200 or GRE 2200. The remaining 6 courses are to be chosen from a list of approved courses with the advice of the Classics advisor.

Requirements for the Minor in Classics

The minor in Classics 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 3.3.
4. Two letters of recommendation from departmental faculty followed by departmental approval.

Dismissal Procedures

The student must maintain a Departmental GPA of 3.5, must submit the Honors Thesis on time, and must pass the
Requirements for Completion of Departmental Honors:
1. Completion of requirements for a major in the Department with a GPA above 3.5 and an overall GPA of 3.3 or above.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. A grade of “A” on a sight translation from a Latin or Greek author.
4. Successful completion of an upper-level Greek or Latin course designated as an Honors Seminar.

Requirements for the Major in Interdisciplinary Classical Civilizations (ICC)

Interdisciplinary Classical Civilizations is a broad-based area study encompassing the literature, history, linguistics, art and archaeology, philosophy, and religion of Greece, Rome and the Near East from pre-history to late antiquity. For centuries, the study of these vibrant societies has been recognized as essential to a proper understanding of our own culture and, recently, there has been a renewed recognition of the skills such study develops.

All students wishing to enroll in the ICC major must schedule an appointment with the Coordinator of Interdisciplinary Classical Civilizations in order to develop a program of study. Students will be urged to fulfill their General Education and University Exit Requirements, whenever possible, from courses taught within the Classical Civilizations Program. Courses that are applied toward the Gen. Ed. or “Core” Requirements cannot be utilized more than once. The BA language requirement should be fulfilled by the two-semester sequence in either Greek or Latin (GRE 1120 & 1121 or LAT 1120 & 1121).

The ICC Major can be fulfilled one of two ways:
A. The ICC Major (33 hours minimum) is intended for students who wish to become familiar with aspects of the Classical heritage of Western Civilization.
B. The ICC Major with Honors (39 hours minimum) is intended for students who wish to continue their studies beyond the undergraduate level and includes a thesis (3 hrs.). The student must also maintain a 3.5 GPA within the major and a 3.3 overall GPA.

A. Requirements of the ICC Major (33 hours minimum)
1. 12 hours from the ICC “Core”
   - CLA 3103 Greek Civilization (3)
   - CLT 3101 Greek Literature in Translation (3)
   - CLA 3123 Roman Civilization (3)
   - CLT 3102 Roman Literature in Translation (3)
   - HIS 3930 Classical Archaeology (3)
   - ANT 3101 Archaeology (3)
   - REL 3280 Biblical Archaeology (3)
   - CLT 3330 Classical Mythology (3)

2. 18 hours (minimum) from the ICC “Fields.”
   Two (2) courses from an approved list of 2000 to 3000 level courses in Anthropology, Classics, History, Philosophy, or Religious Studies
   Four (4) courses from an approved list of 3000 to 4000 level courses in Anthropology, Classics, History, Philosophy, or Religious Studies

3. 3-4 hours from an approved list of 4000 level Exit Requirement courses in Anthropology, Classics, History, Philosophy, or Religious Studies

B. Requirements of the ICC Major with Honors (39 hours minimum):
1. 12 hours from the ICC “Core”
   - CLA 31043 Greek Civilization (3)
   - CLT 3101 Greek Literature in Translation (3)
   - CLT 3123 Roman Civilization (3)
   - CLT 3102 Roman Literature in Translation (3)
   - HIS 3930 Classical Archaeology (3)
   - ANT 3101 Archaeology (3)
   - REL 3280 Biblical Archaeology (3)
   - CLT 3330 Classical Mythology (3)

2. 12 hours beyond the BA Language Requirement in either Greek or Latin.
   Competence in one or two ancient languages for 5 semesters of coursework is required. Courses must be taken with the approval of the Coordinator.

3. 12-16 hours from the Major Field Requirements.
   Major Fields are currently defined in Ancient History, Philosophy and Religious Studies. The student will select four courses in the Major Field area with the approval of the Coordinator. The student must take at least one exit level course in the Major Field he/she chooses.

4. 3 hours of Faculty Mentored Research.
   The student will complete a research project under the direction of a faculty committee composed of a faculty mentor and at least two additional faculty members. The project is intended to produce a substantial research paper that can serve as a writing sample when the student applies for advanced graduate study.

5. Maintenance of a 3.5 GPA within the major and a 3.3 overall GPA.

Requirements for the Minor in Interdisciplinary Classical Civilizations (ICC)
The ICC Minor (15 hours minimum) can be fulfilled in one of two ways:

A. Courses are divided by level, with the “field” of study unrestricted.
   1. Two courses (6 hrs.) from the ICC Minor “Core”
      - Either
         - CLA 3103 Greek Civilization (3)
         - CLT 3101 Greek Literature in Translation (3)
         - Either
         - CLA 3123 Roman Civilization (3)
         - CLT 3102 Roman Literature in Translation (3)
      - 3-4 hrs. from 2000-3000 level courses in Anthropology, Classics, History, Philosophy, or Religious Studies selected with the guidance and approval of the Coordinator.
3. 6-8 hrs. from 3000-4000 level courses in Anthropology, History, Philosophy and Religious Studies selected with the guidance and approval of the Coordinator.

B. Courses are organized along an interdisciplinary principle.

1. Two courses (6 hrs.) from the ICC Minor “Core”
   - Either
     - CLA 3103 Greek Civilization (3)
     - or
     - CLT 3101 Greek Literature in Translation (3)
   - Either
     - CLA 3123 Roman Civilization (3)
     - or
     - CLT 3102 Roman Literature in Translation (3)
     - CLT 3330 Classical Mythology (3)

2. 9-12 hrs. from the Interdisciplinary Requirements. The student will complete three 3-4 credit courses, one each from three of the following four fields: (1) Anthropology, (2) History, (3) Philosophy, (4) Religious Studies. Courses are chosen with the guidance and approval of the Coordinator from the list certified for the major.

LINGUISTICS (LIN)

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. Although no baccalaureate degree is offered, the minor in linguistics may provide a broader educational experience for students majoring in adjacent arts and sciences such as Anthropology, Communication, Communication Sciences and Disorders, English, Foreign Languages, Philosophy, Psychology, Sociology, and others.

Requirements for the Minor in Linguistics

The minor in Linguistics requires a minimum of 18 semester hours as follows:
- LIN 3010 (3)
- Plus 15 semester hours from the following:
  - ANT 3610 (3)
  - CLT 3040 (3)
  - DEP 4135 (3)
  - EXP 4640 (3)
  - LIN 3801(3)
  - LIN 4040 (3)
  - LIN 4600 (3)
  - LIN 4671 (3)
  - LIN 4710 (3)
  - SPA 3004 (3)
  - SPA 3112 (3)
  - SPC 3210 (3)
  - SPC 3212 (3)
  - SPC 3712 (3)

MODERN LANGUAGES (FRE/GER/GRK/ITA/RUS/SPA)

Foreign Language major programs are designed to meet the needs of students who desire competency in a language and an expanded understanding of its culture and literature. They are of particular interest to students who wish to teach languages, those who plan to further their studies in graduate school, and those who seek careers in various types of foreign or foreign-related employment, either in government or business.

Major programs leading to the bachelor of arts degree are offered in French, German, Italian, Russian, and Spanish. All major programs in foreign language require a total of 32 hours of coursework above the intermediate level. French and Spanish majors with an International Studies and Business Concentration require a total of 63 hours of coursework distributed in the three areas.

The following languages may also be taken as a minor: French, German, Italian, Latin, Modern Greek, Russian, and Spanish. The minor consists of 15 hours of course work in French and Spanish above the second-year level, and 16 hours in the other languages except for the less commonly taught languages. In order to begin taking courses for the minor, the student will have satisfactorily completed the intermediate level or have equivalent proficiency in the foreign language. Instruction in less commonly taught languages may be available upon sufficient demand.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with 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 credit hours)
    - FRE 2230 (3)
    - FRW 4100 (3)
    - FRE 2240 (3)
    - FRW 4101 (3)
    - FRE 3420 (3)
  - Supporting courses required for the major
    - 17 hours in 3000, 4000, or 5000 level courses
    - Required courses for the minor (6 credit hours)
      - 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.

- **FRENCH (FRE) WITH AN INTERNATIONAL STUDIES AND BUSINESS CONCENTRATION**
  - Required courses in French for the major (15 credit hours)
    - FRE 2240 (3)
    - FRE 3230 (3)
    - FRE 3420 (3)
    - FRE 3500 (3)
  - Supporting courses in French required for the major (9 credit hours)
    - Choose from the list below:
      - FRE 4421 (3) FRE 4700 (3)
      - FRE 4930 French for Business II (3)
      - FRE 4930 French Phonetics (3)
      - FRE 5425 (3) FRE 5666 (3)
      - FRW 4100 (3) FRW 4101 (3)
  - Required courses in International Studies (9 credit hours)
    - CPO 2002 (3)
    - EUS 3000 (3)
    - CPO 4930 Comparative Government & Politics (3)
  - Required courses in Business (18 credit hours)
    - ACG 3074 (3)
    - ECO 1000 (3)
    - MAN 3025 (3)
    - MAR 3023 (3)
    - FIN 3403 (3) Capstone Course (3)
  - Supporting courses in Business for the major (6 credit hours)
    - Choose any 2 upper-level international business courses.
Required overseas study courses &/or area studies courses (6 credit hours)

Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.

• **GERMAN (GER)**
  Requirements for the major (14 credit hours)
  GER 2240 (3)  GEW 4100 (4)
  GER 3420 (3)  GEW 4101 (4)
  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 credit hours)
  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 credit hours)
  GRK 2200 (4)  GRK 4905 (4)
  GRK 2201 (4)  GRK 4930 (4)

• **ITALIAN (ITA)**
  Required courses for the major (15 credit hours)
  ITA 2240 (4)  ITW 4100 (4)
  ITA 3420 (3)  ITW 4101 (4)
  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 credit hours)
  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 credit hours)
  RUS 3240 (4)  RUT 3110 (3)
  RUS 4241 (4)  RUT 3111 (3)
  Supporting courses required for the major
  18 hours in 3000 or 4000 level courses planned with the advisor.
  Required courses for the minor (8 credit hours)
  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 credit hours)
  SPN 3300 (3)  SPN 4301 (3)
  SPW 4100 (3)  SPW 4131(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 credit hours)
  SPN 3300 (3)
  Supporting courses required for the minor
  12 hours in 3000, 4000 or 5000 level courses except courses in translation.

• **SPANISH (SPA) WITH AN INTERNATIONAL STUDIES AND BUSINESS CONCENTRATION**
  Required courses in Spanish for the major (15 credit hours)
  SPN 3300 (3)  SPN 3440 (3)
  SPN 3500 (3)  SPN 3520 (3)
  SPN 4410 (3)
  Supporting courses in Spanish required for the major (9 credit hours)
  Choose from the list below:
  SPN 3441 (3)  SPN 4301 (3)
  SPN 4700 (3)  SPW 3030 (3)
  SPW 4100 (3)  SPW 4101(3)
  SPW 4131 (3)

• **Required courses in International Studies (9 credit hours)**
  CPO 2002 (3)
  CPO 4930 Comparative Government & Politics (3)

• **Required courses in Business (18 credit hours)**
  ACG 3074 (3)  ECO 1000 (3)
  MAN 3025 (3)  MAR 3023 (3)
  FIN 3403 (3)  Capstone Course (3)
  Supporting courses in Business for the major (6 credit hours)
  Choose any 2 upper-level international business courses.

• **Required overseas study courses and/or area studies courses (6 credit hours)**
  Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.

• **TRACK IN INTERNATIONAL STUDIES (LATIN AMERICA) WITH A LANGUAGE (SPANISH) AND BUSINESS CONCENTRATION**
  Required International Studies courses (15 credit hours)
  CPO 2002 (3)  INR 1015 (3)
  CPO 4930 (3)  INR 3038 (3)
  INR 2002 (3)

  International Studies electives (3 credit hours)
  Choose from the list below:
  INR 3018 (3)  POT 4109 (3)
  INR 3202 (3)

  Required courses in Spanish (12 credit hours)
  SPN 2241 (3)  SPN 3500 (3)
  SPN 3300 (3)  SPN 3520 (3)
  SPN 3340 (3)

  Required courses in Business for the major (18 credit hours)
  ACG 3074 (3)  FIN 3403 (3)
  ECO 1000 (3)  MAR 3023 (3)
  MAN 3025 (3)  Capstone Course (3)
  Supporting courses in Business for the major (6 credit hours)
  Choose any two upper-level international business courses

  Required overseas study courses & area studies courses (9 credit hours)
  Select 3 overseas study credit hours or 3 credit hours overseas study plus 6 credits area studies planned with an advisor (2 courses from International Studies or other departments).

**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 honorary in order to participate in the chapter at USF. For further information please go to www ctr.usf.edu/aed.

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) 974-2144, SCA 411.

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 welcome.to/premedAMSA.

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 to 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 BEH 201 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://nosferatu.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 BEH 201.

Colloquia in Literature and Linguistics - Provides a stimulating environment in which graduate students in French, Spanish, and Linguistics can share and expand their scholarly endeavors. Sponsors guest lectures. For further information please go to CPR 419.

Communication Council - To encourage and promote extra-curricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.

Economics Club - To promote and develop the application of economic concepts within the student body and provide a social basis for interaction. For further information go to the club website at www.coba.usf.edu/departments/economics.

French Club - To promote the interest of the French language, Francophone culture and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

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 ctr.usf.edu/hosa.

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 population of USF of the values of International studies and to foster gender relations among international studies majors. For further information please go to SOC 373.

Italian Club - The purpose of the Circolo Culturale Italiano is to provide educational opportunities and experiences in the American Life to its members and help them to improve their knowledge of the Italian language and culture. It also sponsors lectures, social events and grants scholarships to deserving students of Italian. For further information please go to CPR 419.

Legal Brief - To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences. For further information please go to SOC 352.

Marine and Life Sciences Club - To foster student interests in the environment and ecological systems. Field trips and volunteer activities.

Microbiology Club - To enhance students’ interests in microbiology and to provide opportunities to learn more about the certification processes necessary for professional careers in the field. Contact Dr. Valerie Harwood for more information.

Minority Preprofessional and Science Society - The objectives of the Society are to promote minority student interest in careers in the natural sciences and the health professions and to provide a support network to enable students to be academically successful. The Society meets twice monthly on Wednesday afternoons. Membership is open to all students in the College of Arts and Sciences. For further information go to ctr.usf.edu/mpss or contact Project Thrust Advisor, Science Advising Center, BEH 339.

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
pi mu epsilon - 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 www.cas.usf.edu/sac/studsoc.html.

pre-optometry 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 www.cas.usf.edu/sac/studsoc.html.

pre-veterinary society - usf pre-veterinary society provides fellowship and exchange among students interested in veterinary medicine, animal science and/or research. membership is open to students from usf and other local colleges who wish to participate in a variety of activities which will enhance their knowledge in animal science. activities have included tours at epcot - the land of the seas, sea world, lowry park zoo, an ostrich farm, and university of florida college of veterinary medicine. students meet a variety of specialists in the area. for further information please go to www.cas.usf.edu/sac/studsoc.html.

psi chi - psi chi is the nationa honor society in psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. membership is open to graduate and undergraduate men and women who meet the minimum qualifications. psi chi is a member of the association of college honor societies and is an affiliate of the american psychological association and the american psychological society.

sigma gamma epsilon - to recognize and promote academic and professional excellence in the earth sciences.

student broadcasting association - to give students with an interest in television/radio journalism hands-on experience and the opportunity to produce a news program for public access television. for further information please go to cis 3005.

student chapter of the mathematical association of america - a club for students who enjoy doing, discussing and learning mathematics. for further information please go to phy 342.

student society for technical communication-sttc - open to students scholarships, publication competitions, internship opportunities, resume and computer workshops and networking socials with local professionals who are established in the field. for further information please go to ctr 2419.

university psychology association - the purpose of this organization shall be to foster understanding and stimulate interest in the discipline of psychology and its sub fields. university psychology association is open to all usf students interested in the field of psychology.

women's studies student association - to promote interest in women's issues and provide an informative and social atmosphere for all interested women's studies' affiliates.

arts and sciences faculty

africana studies
chairperson: trevor w. purcell; associate professors: k. r. glover, d. g. plant, t. w. purcell, cheryl r. rodriguez; assistant professor: d. turner; other faculty: d. biell, c. heglar, n. james, r. kaplan, f. u. ohaegbulam, l. w. morehouse, p. j. collins, k. davis, s. garcia, m. mitchell, h. regis, g. rodman, a. a. smith, e. snow, s. m. d. stamps, d. thomas, b. townsend, k. vaz, k. wiredu.

anthropology
chairperson: l. whiteford; distinguished service professor: a. wolfe; professors: m. angrosino, r. baer, e. bird, k. borman, s. greenbaum, j. sokolovsky, n. white, l. whiteford, c. wienker; associate professors: l. madrigal, t. purcell, r. tykot, j. smith, b. weisman, k. yelvington; assistant professors: d. himmelgreen, n. romero-daza; courtesy faculty: c. bryant, j. coreil, m. hernandez, s. hodos, e. onjoro, d. rosenberg, m. vesperi, b. ward.

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
chairperson: s. k. pierce; distinguished research professor: c. j. dawes; professors: m. r. alvarez, g. w. arendash, s. s. bell, b. j. cochrane, b. c. cowell, g. w. hirsch, j. m. lawrence, d. v. lim, r. l. mansell, e. d. mccoy, p. j. motta, h. r. mushinsky, j. t. romeo, j. l. simon, d. t. testrake, r. p. wunderlin; associate professors: m. l. dao, f. i. eilers, f. b. essig, j. r. garey, s. a. karl, b. livingston, r. pollenz, m. j. saunders, p. d. stiling; assistant professors: a. c. canons, g. a. fox, v. harwood, g. huxel, m. kimble, j. m. lindzey, f. thomas; instructors: s. j. connor, p. goldberg, j. el-rady.

chemistry
chairperson: m. zaworotko; emeritus professors: j. c. davis, jr, j. e. fernandez, l. mandell, t. c. owen, b. stevens; distinguished service professor: d. f. martin; professors: j. binford, r. s. braman, s. h. grossman, m. d. johnston, jr., g. g. meisels, r. m. o'malley, r. potter, j. worrell; associate professors: b. j. baker, j. p. harmon, r. w. larson, a. malik, d. j. merkler, l. j. ming, j. palmer, b. space, j. a. slanko, e. turus, j. e. weinzierl; assistant professors: m. acevedo-duncan, k. s. bish, k. w. jung, j. lewis; research assistant professor: g. r. baker; academic administrator: a. s. zektzer; visiting faculty: j. osegovic, e. perez, m. raisian, r. sarma; retired faculty: f. dudley, g. r. jurch, p. c. maybury, e. d. olsen, g. solomons, g. wenzinger, r. whitaker.
Communication
Chairperson: E. Eisenberg; Professors: A. P. Bochner, K. N. Cissna, E. M. Eisenberg, C. S. Ellis, L. S. Pettegrew; Associate Professors: E. E. Bell, B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier; Assistant Professors: M. Chvasta, S. Holman-Jones, J. Jorgenson, G. Rodman; Courtesy Faculty: M. Myerson.

Communication Sciences and Disorders

Community Experiential Learning
Coordinator: R. R. Jones.

Criminology

Economics

English

Environmental Science and Policy
Interim Chair: R. Brinkmann.

Geography

Geology

Gerontology

History

Humanities and American Studies

Interdisciplinary Social Sciences

International Studies

Library and Information 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. Holcombe (Florida Hospital), M. Patterson (St. Vincent's Medical Center); Courtesy Lecturers: L. Chakkaphak (St. Vincent's Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schung (Bayfront Medical Center), J. Sigler (University Medical Center).

Philosophy
Chairperson: S. P. Turner; Professors: J. P. Anton (Distinguished Professor of Greek Philosophy & Culture), J. A. Bell, Charles Guignon, O. Schutte, B. Silver, H. W. H. Truitt, R. C. Weatherford, K. Wirued; Distinguished Research & Culture: S. P. Turner; Associate Professors: M. R. Schonfeld, R. N. Taylor, J. B. Waugh; Assistant Professors: B. Williston, Eric Winsberg; Courtesy Associate Professors: M. Gibbons; Courtesy Assistant Professor: A. Chitwood; Courtesy Professor: S. Axinn.

Politics

Religion and Mental Health Counseling
Chairperson: C. G. Dixon; Distinguished Research Professor: W. G. Emener; Professors: J. D. Rasch; Associate Professors: C. Dixon, S. Kelley, T. J. Wright; Assistant Professors: M. Richard; Clinical Instructor: T. Evans, J. Ferrandino.

Psychology

Social Work
Chairperson: J. Amuso; Associate Director: M. Marley; Assistant Program Director: C. K. Bennett; Professors: W. S. Hutchison, C. S. Roberts, A. A. Smith; Associate Professors: G. J. Paveza, P. L. Smith, A. L. Strozier; Assistant Professors: D. Bassett, P. Ouellette, M. Rank, K. Shafer; Instructors: C. K. Bennett, D. Ducett, S. Speer, C. Tate, R. Tilden; Courtesy Faculty: Associate Professors: M. L. Coulter; Visiting Faculty: J. Carpenter, M. Marley.

Sociology

World Language Education

Public Administration
Director: J. E. Pynes; Professors: J. E. Jreisat, S. A. MacManus; Associate Professors: J. L. Daly, A. Njoh, J. E. Pynes; Assistant Professors: S. M. Calabrese, C. D. Pettijohn; Joint Appointments: Professors: J. C. Merrick; Associate Professors: J. E. Benton, P. N. Rigos.

Psychology
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 AACSB International -- The Association to Advance Collegiate Schools of Business.

The undergraduate curriculum that leads to a Bachelor of Arts or Bachelor of Science degree is composed of several segments: (1) broad general education in the arts, humanities and sciences; (2) the common body of knowledge for management responsibilities; and (3) specialized areas of concentration in Accounting, Economics, Finance, General Business, International Business, Management, Marketing, and Management Information Systems. Through flexibility in its requirements, the College is able to satisfy the different interests and career objectives of students with diverse backgrounds. Graduate programs in the College are described in the USF Graduate Catalog.

The College of Business Administration (COBA) is located near the corner of Maple Street and Alumni Drive on the south-central side of campus. To access information about the College 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 leadership 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

Admission to the College of Business Administration is based upon availability of faculty and space within each discipline. The College is an upper-level, limited access college, based upon availability of faculty and space within each discipline. Students may be admitted into the University without completing the prerequisites, but can 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, 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 a minimum 2.0 on all credit attempted at USF, including any prior to renewal.
   c. Completion of the following State Mandated Common Prerequisites (or equivalents) with a grade of C or higher:
      ACG X021 Financial Accounting
      (or ACG X001 & ACG X011)
      ACG X071 Managerial Accounting
      (Accounting majors are not required to take ACG 2071 and may enroll in ACG 3103 upon completion of ACG 2021 and admission to the College of Business Administration)
      CGS X100 Computers in Business
      (or acceptable substitute)
      ECO X013 Principles of Macroeconomics
      ECO X023 Principles of Microeconomics
      MAC X233 Elementary Calculus or MAC 2230
      STA X023 Introductory Statistics or QMB X100
   d. In computing entry grade point average all business and economics courses taken for S or U grades will be converted to C or F, respectively.

2. Students working toward meeting the limited access criteria will be permitted to enroll in all foundation courses in Business (listed below) except GEB 4890, provided they have completed 60 semester hours and have met course prerequisites.

3. A minimum score of 550 on paper and 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 that are listed as 3000 and 4000 level courses at USF. Note: all courses in finance, marketing, management, and accounting, as well as other business administration and economics courses, taken at the lower division level that are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of CLEP or other written examinations prepared and administered by the College of Business Administration or by successfully completing specified advanced courses in the discipline.

Florida public junior/community college students pursuing an Associate of Science (AS) program must be aware that some courses taken at the junior/community college may not be acceptable for credit in the baccalaureate programs. Students pursuing an AS program should see an advisor to determine the transferability of course work.

BACCALAUREATE LEVEL DEGREE PROGRAMS

General Requirements for B.A./B.S. Degree in Business Administration

Students must satisfactorily complete a minimum of 120 semester hours. Of the minimum 120, at least 60 hours must be business courses, and a minimum of 54 hours must be non-business courses (i.e., all courses not normally offered in the College of Business Administration). Additional electives may be required to reach a minimum of 120 hours and can 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 computation course requirements of 6A-10.30 (“Gordon Rule”).

Foreign Language: For a Bachelor of Arts degree, students must demonstrate competency in a foreign language (refer to the Academic Policies and Procedures section of this catalog). The College of Business Administration requires students to demonstrate proficiency in the Foreign Language Exit Requirement.

Residency: College of Business Administration residency requirements for graduation exceed the minimum requirements established for USF. Students are required to complete satisfactorily at USF a minimum of 50 percent (30-33 semester hours depending on major) of required business courses, including 12-18 semester hours in the major field. Normally, independent study and independent research courses do not fulfill this requirement.
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

NON-BUSINESS (54 hrs. minimum) Semester Hours
1. General Education Requirements*
   a. English Composition 6
   b. Quantitative Methods (Calculus is required) 6
   c. Natural Sciences 6
   d. Social Sciences 6
   e. Historical Perspectives 6
   f. Fine Arts 3
   g. African, Latin American, Middle Eastern, or Asian Perspectives 3
   Total 36
2. Liberal Arts Exit Requirements*
   a. Major Works and Major Issues 6
   b. Literature and Writing 3
   Total 9
*See Liberal Arts Requirements for more details
3. Speech/Writing Requirements for Business Majors
   a. SPC 2600 Public Speaking 3
   or
   COM 3110 Communication for Business and the Professions 3
   b. ENC 3213 Professional Writing 3
   or
   ENC 3310 Expository Writing or equivalent 3
   Total 6
4. Additional elective credits
   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)
   Total non-business credit hours 54

BUSINESS (60-69 hrs. minimum) Semester Hours
1. Foundation Courses in Business Required - a minimum grade of C- in each foundation course with an overall 2.0 GPA
   ACG 2021 Principles of Financial Accounting 3
   ACG 2071 Principles of Managerial Accounting 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
   ISM 3011 Information Systems in Organizations 3
   QMB 3200 Business & Economic Statistics II 3
   MAN 3025 Principles of Management 3
   MAR 3023 Basic Marketing 3
   GEB 4890 Strategic Mgmt/Decision Making 3
   Total 39
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 60-66

ELECTIVES IN BUSINESS OR NON-BUSINESS
   Sufficient elective courses to reach a minimum of 120 hours (ranges from 0-6 credit hours if above requirements are met)
   Minimum total hours 120

USF Campuses and Teaching Sites
Due to limited enrollment and faculty, only the following majors are regularly offered at the regional campuses:
St. Petersburg: Accounting, Finance, General Business Administration, Management Information Systems, Management, and Marketing
Sarasota: Accounting and General Business Administration
Lakeland: General Business Administration
North Pinellas Teaching Site (at St. Petersburg 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, BSN 1406) 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 fewer than 30 credit hours should contact the Center for Academic Advising, SVC 2011, (813) 974-2645. Potential majors with more than 30 credit hours should visit BSN 1406, (813) 974-4290 or schedule an advising appointment on-line: http://www.coba.usf.edu/services/undergrad/index.html.
St. Petersburg Campus: DAV 134, (727) 553-1511
Sarasota Campus: PMC 101, (941) 359-4331/4330
Lakeland Campus: LLC 2100, (863) 667-7063

Office Hours
Tampa Campus: 8am-6pm Monday-Thursday. 8am-4pm on Fridays.
St. Pete Campus: 8am-6pm Monday-Thursday. 8am-5pm on Fridays.
Sarasota Campus: 8am-6pm Monday-Thursday. 8am-5pm on Fridays.
Lakeland Campus: 9am-6pm Monday-Thursday. 8am-5pm on Fridays.

While the University provides advising services to assist students with academic planning, the responsibility for ensuring 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 provides students with substantial preparation in two functional areas of business and prepares them for positions in a business world that is increasingly interdisciplinary and values cross-functional abilities.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hours program as listed in the General Requirement section, students must complete two minors from the following business disciplines: accounting, economics, finance, international business, management, management information systems, or marketing. A minimum of 24 hours of upper-level course work must be earned with a GPA of at least 2.0 in each
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 other institutions.

3. At least 12 hours of the required 18 credit hours must be taken in residence at USF.

*ACG 2021 & ACG 2071 can be substituted for ACG 3074.*

**ECO 2013 & ECO 2023 can be substituted for ECO 1000.

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### ACCOUNTING (ACC)

The objectives of the baccalaureate degree program in accountancy are to provide students with accounting and business knowledge that will serve as a basis for careers in industry, government, non-profit organizations and public accountancy. The baccalaureate program also prepares students for entry into the Master of Accountancy (M.Acc.) professional degree program.

The State of Florida, like most states, requires a fifth year of education in order to sit for the CPA examination. 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 3111 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 III** 3
- **ACG 4351 Cost Accounting and Control II** 3
- **ACG 4642 Auditing II** 3
- **ACG 4931 Selected Topics** 3
- **ACG 4932 Honors Accounting Seminar** 3
- **ACG 5201 Advanced Financial Accounting** 3
- **ACG 5501 Governmental/Not-for-Profit Accounting** 3
- **ACG 5675 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” (not C-) grade in each of the four upper-level accounting courses before being allowed to go on to the next course: i.e., ACG 3103, ACG 3113, ACG 3341, ACG 4632, and TAX 4001.

#### Requirements for a Minor in Accounting (for Business Majors Only): A minor in accounting must consist of four upper-level economics courses, excluding QMB 3200, ECO 3100 and ECO 3101.

**One exception:** A minor/concentration in economics must consist of four upper level economics courses, excluding QMB 3200, ECO 3100 and ECO 3101.

- **ECO 2013 Economic Principles: Macroeconomics** 3
- **ECO 2023 Economic Principles: Microeconomics** 3
- **ECO 3203 Intermediate Macroeconomics** 3
- **ECO 3100, ECO 3101 or ECO 3203** is a prerequisite.

**Total 18**

Students must obtain a grade of “C” or higher in ECO 3100 Managerial Economics or ECO 3101 Intermediate Price Theory to enroll in any course for which ECO 3100 or ECO 3101 is a prerequisite. Students can not take both ECO 3100 and ECO 3101 for credit. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF.

#### Requirements for a Minor in Accounting (for Business Majors Only):

1. **ACG 3103 Intermediate Financial Accounting I** 3
2. Three other upper level Accounting Electives with an ACG or TAX prefix 9
3. **Total Upper Level Accounting Hours** 12
4. At least 9 hours must be in courses for which ACG or TAX prefix
5. **ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.**
6. **Total 18**

**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 Macroeconomics** 3
- **ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.**

**Total 18**

Students must obtain a grade of “C” or higher in ECO 3100 Managerial Economics or ECO 3101 Intermediate Price Theory to enroll in any course for which ECO 3100 or ECO 3101 is a prerequisite. Students can not take both ECO 3100 and ECO 3101 for credit. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF.

**Requirements for a Minor in Economics:**

1. **ECO 2013 Economic Principles: Macroeconomics** 3
2. **ECO 2023 Economic Principles: Microeconomics** 3
3. Upper-level economics electives (may include QMB 3200) 12
4. **Total Economics Hours** 18

Business majors can 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 meet the program approval by the Economics Department Undergraduate Advisor.
The major is designed to ensure that graduates are familiar with the tools of financial decision-making and that they possess the skills to stay abreast of the developments in the field. Finance graduates will understand the functions and operations of financial markets, become familiar with computer applications in finance, and 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 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 4303</td>
<td>Financial Institutions and Markets</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4414</td>
<td>Advanced Corporation Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4504</td>
<td>Principles of Investments</td>
<td>3</td>
</tr>
<tr>
<td>Additional upper-level Finance electives</td>
<td></td>
<td>9-15</td>
</tr>
</tbody>
</table>

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 tracks are recommended for students with specific interest in the following career areas:

**Corporate Financial Management**
- FIN 3604 International Finance
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

**Management of Financial Institutions**
- FIN 3233 Money and Banking
- FIN 3604 International Finance
- FIN 4324 Bank Management
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

**Investments**
- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 4303 Real Estate Investment Analysis

**Financial Services**
- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 3043 Real Estate Decision-Making
- REE 4303 Real Estate Investment Analysis
- RMI 3011 Principles of Insurance

Requirements for a Minor in Finance (for Business Majors only): Students majoring in Business Administration can minor in Finance. The requirements are

1. FIN 4504 Principles of Investments
2. FIN 4303 Financial Institutions and Markets
3. FIN 4414 Advanced Corporation Finance
   - Another upper-level Finance Elective with an FIN, REE, or RMI prefix
   - Total Finance Hours 12

3. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.

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 6 required MIS courses and 2 approved MIS electives. MIS majors must earn a "C" or higher (not C-) in the six required MIS courses and must have a 2.0 or higher GPA in the major; they can use grade forgiveness for only one upper-level MIS course.

Required MIS Courses:
- ISM 3232 Business Application Development* 3
- ISM 3113 Systems Analysis and Design* 3
- ISM 4212 Database Administration 3
- ISM 4220 Business Data Communications 3
- ISM 4300 Managing Information Resources 3

One of the following:
- ISM 4234 Object Oriented Design and Development (C++) 3
- ISM 4141 Web Application Development (Java) 3

Plus Approved MIS Electives** 6
Total Hours Required for B.A./B.S. Degree 24

*ISM 3232 (Business Application Development) must be taken before, or concurrently with, ISM 3113 (Systems Analysis and Design), which is a prerequisite for all other required MIS courses. Normally ISM 3113 should be completed by the end of the first semester of the junior year.

**No more than three hours of ISM 4950 can be counted as MIS electives. (ISM 4950 will not count as an MIS elective.)

Requirements for a Minor in MIS (for Business majors only): Students majoring in Business Administration may minor in MIS. The requirements are:
1. ISM 3232 Business Application Development 3
2. ISM 3113 Systems Analysis and Design (PR/CR ISM 3232) 3
3. ISM 4212 Database Administration 3
4. Approved MIS Elective 3
Total MIS hours 12

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 other institutions.

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 listed in the General Requirements section, students must complete 18 hours of management beyond MAN 3025.

Required Management Courses:
- MAN 3240 Organizational Behavior Analysis 3
- Additional upper-level management courses 15-21
Total 18-24

MAN 4504 and MAN 4507 do not count toward the management major.

Students are encouraged to seek additional curriculum advice from the Management Department.

Requirements for a Minor in Management (for Business Majors Only): Students majoring in Business Administration may minor in Management.

The requirements are:
1. MAN 3240 Organizational Behavior Analysis 3
2. Management electives approved by department chair 9
Total Management hours 12

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 other institutions.

- **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 who meet these challenges. Marketing operations are carried out domestically and internationally in virtually all business organizations that offer 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 deals with people who are constantly changing in their needs, wants, and desires; and coupled with these changing tastes is a fiercely competitive environment sustained by all the resources of a rapidly evolving technology. These forces lead to much of the challenge and to much of the dynamic nature of marketing.

The Marketing program at USF prepares students for initial entry and management positions in many areas of marketing with a curriculum that is concerned with:

1. Understanding how to attract and retain customers;
2. Having the ability to find and analyze information;
3. Being able to design, collect, and analyze marketing information to be used in managerial decision making;
4. Using electronic and traditional media to create satisfied loyal customers;
5. Having personal communication skills that businesses demand;
6. Being capable of writing a winning marketing plan;
7. Understanding and being able to apply the latest marketing concepts, including marketing automation.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program 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 the business 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 complementary for College of Business students majoring in Information Systems, Finance, and Management. For non-business majors, Marketing is very complementary 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 other institutions.
3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

**INTERNATIONAL BUSINESS (ITB)**

The Bachelor of Arts in International Business (IB) provides students with the knowledge, skills and experience necessary for successful careers in the global business environment.

Graduates will not only have the International Business major, but also a minor in one of the functional areas of business (finance, management, marketing, economics and information systems). With this preparation, graduates will find employment in many manufacturing, service or knowledge-based industries with international markets, international suppliers, international sources of finance or an internationally diverse work force.

The IB program is unique in that it combines preparation in business administration with language training, area studies, and a meaningful overseas work or study experience. The curriculum includes, in addition to the general education and liberal arts requirements, a strong grounding in business core courses, and 18-hour major in international business and area studies subjects, a minor in a functional area of business, training in a foreign language and overseas academic or business experience. A minimum of 120 hours is required to complete a B.A. in International Business.

**International Business Major (18)**

**Business Courses (9)**

Students should see a COBA advisor for an approved list of upper level international business courses.

**Area Studies Courses (9)**

Students should see a COBA advisor for an approved list of area studies courses.

**Business Minor/Concentration (12)**

Students may choose a minor from the following disciplines:

- Economics
- Finance
- Marketing
- Information Systems

Within each concentration one course must be an international business course. The international business course is in addition to the three international business courses as required in the above International Business Major area.

**Foreign Language Above First Year (9)**

Language(s) selected should support the area and the Area Studies courses.

**Overseas Business Internship (3) or Semester Abroad**

The International Business Major is designed to be completed within 120 credit hours. Certain courses satisfy requirements in more than one area. To maximize academic options, students should seek guidance from a COBA advisor once a decision has been made to pursue this major.

**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 degree programs in Business Administration must successfully complete a minimum of 12 hours of international business or related course work. At least 9 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, can be an approved area studies course, or other course, taken outside the College. A minimum of 9 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 complete at USF a minimum of 9 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 International Business**

The following courses are currently approved for the International Business major and minor:

- ECO 3703 International Economics
- ECO 4713 International Macroeconomics
- FIN 3604 International Finance
- ISM 4382 Global Information Systems
- MAN 4600 International Management
- MAR 4156 International Marketing

Other courses will be added as they are developed and approved. In addition, the College frequently offers Selected Topics courses that qualify for International Business. Students should consult with an advisor for additional approved courses.

**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 devoted to the promotion of the profession, inspiring professional ideals, and recognizing academic achievement.
- **Beta Alpha Psi** - The national professional accounting fraternity devoted to the promotion of the profession, inspiring professional ideals, and recognizing academic achievement.
- **Beta Gamma Sigma** - An honor society that encourages and rewards outstanding scholarship among business students.
- **Business College Council** - Student representatives advise the dean and the faculty on student attitudes and goals. Also, the Council acts as a liaison between the Student Government Association and the College of Business Administration.
- **Delta Sigma Pi** - Fosters the study of business and a close association between students and the business world.
- **Economics Club** - To promote and develop the applications of economic concepts within the student body and provide a social basis for interaction.
- **International Business Board** - Promotes interest in international business, provides professional and cultural programs, and encourages dialogue regarding opportunities for study and work abroad.
- **Management Information Systems Society** - The MIS Society is a career oriented organization focusing on all areas of business data management and information systems development.
- **Minority Business Association** - Encourages and supports students in their efforts to achieve success in a demanding academic setting.
- **National Association of Black Accountants** - Develops, encourages, and serves as a resource for greater participation.
by African-Americans and other minorities in the accounting and finance professions.

Omicron Delta Epsilon - The international economics society that promotes outstanding achievements in economics and the establishment of closer ties between students and faculty.

Pi Sigma Epsilon - A professional society interested in marketing, sales, management, and selling.

Student Accounting and Business Organization - Promotes professionalism in accounting and other business disciplines. (St. Petersburg Campus)

Student Finance Association - An organization for finance majors and other business-oriented students that provides exposure to the many facets and opportunities in the field of finance.

BUSINESS ADMINISTRATION FACULTY

ACCOUNTING/LAW


ECONOMICS


FINANCE


INFORMATION SYSTEMS & DECISION SCIENCES


MANAGEMENT


MARKETING

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 self-studies and also through ongoing departmental appraisals of learning outcomes.

The University follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent cooperative effort in planning and practice by faculties in appropriate academic areas. Liberal Arts courses and courses in the content areas are offered through the College of Arts and Sciences. Courses primarily designed for teacher candidates are taught by the College of Education faculty.

For information concerning required courses in each major, students should consult the following “Departments and Programs” sections or view the most recent on-line Community College Counseling Manual, accessible from the Undergraduate Studies site: http://www.ugs.usf.edu/catalogs.htm. Other important information is available from the College of Education website at http://www.coedu.usf.edu/.

### Preliminary Requirements for Students Entering Teacher Education Programs

Students who wish to teach in a particular subject area or field should begin preliminary coursework during their first year in college. However, students cannot be admitted to the College of Education (and into a teacher education program) until they finish the university’s liberal arts freshman and sophomore courses and are taught by the College of Education faculty.

After students finish prerequisite courses, they may apply for entrance into one of the upper-level teacher education programs offered by the College of Education. All students who plan to teach must apply for admission to a teacher education program through the Student Academic Services Office of the College of Education.

Admission to an upper-level teacher education program is contingent upon meeting the following preliminary college requirements:

1. Completion of a College of Education application form.
2. Completion of the University’s General Education requirements (36 cr. hrs.). (See “Liberal Arts Requirements” section of the catalog.) **Note:** Changes in Teacher Preparation programs under consideration by the State Board of Education at the time of printing of the undergraduate catalog and this manual may mandate major changes in the general education requirements, subject matter preparation and education courses for students **effective Fall 2002.** Such changes would supersede the information provided in this section of the catalog. Students should contact an academic advisor to make certain they are enrolled in courses appropriate to their intended major.
3. Completion of all portions of the CLAST with passing scores. No exemptions or waivers accepted.

4. Although no longer required for admission to the College of Education, students are still encouraged to take the ACT or SAT. Many existing scholarships still require these scores.

5. Completion of State Mandated Common Prerequisites **Note:** The following prerequisites are required for all education majors who enter as freshmen in Fall 2001, but students should consult their intended majors (listed under “Departments and Programs,” below) for a list of other specific course prerequisites and requirements beyond these listed below.:
   - EDF X005 Introduction to Education 3
   - EDC 2701 Teaching Diverse Populations 3
   - EME 2040 Introduction to Educational Technology 3
   - Nine (9) semester hours in English to include writing, literature, and speech
   - Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
   - Nine (9) semester hours in mathematics to include college algebra or above and geometry
   - Twelve (12) semester hours in social sciences to include American history and general psychology
   - Six (6) semester hours of courses with an international and/or diversity focus (in addition to EDC 2701). If these courses are taught in other areas, the institution transferring credit to USF must certify that the course content satisfies the international/diversity focus requirement. Refer to the list below for courses which satisfy both the General Education and the international and/or diversity course requirements. (Consult an education advisor for approved, upper-level courses in Africana Studies, Geography, International Studies, Political Science, and Business Administration that meet the requirement but are not included below.)

### International/Diversity Courses Credits

- **AFA 2000** Introduction to the Black Experience in Africa and Its Diaspora 3
- **AFS 2250** Culture and Society in Africa 3
- **AMH 2010** American History I 3
- **AMH 2020** American History II 3
- **AMS 2030** Introduction to American Studies 3
- **ANT 2000** Introduction to Anthropology 3
- **ANT 2410** Cultural Anthropology 3
- **ARH 2050** History of Visual Arts I 3
- **ARH 2051** History of Visual Arts II 3
- **BSC 2025** Food: Personal and Global Perspectives 3
- **COM 2000** Introduction to Communication 3
- **EGN 2031** History of Technology 3
- **EUH 2011** Ancient History I 3
- **EUH 2021** Medieval History I 3
- **EUH 2022** Medieval History II 3
- **EUH 2031** Modern European History II 3
- **FIL 2001** Film: Language of Vision 3
- **GEO 1930** Geography of Current Events 4
- **GEO 2371** Introduction to Earth Systems Science 3
- **INR 1015** World Perspective 3
- **LAH 2734** Latin American History in Film 3
- **LIT 2010** Introduction to Fiction 3
- **LIT 2040** Introduction to Drama 3
- **MUL 2111** The Enjoyment of Music 3
- **MUL 2051** Folk and Traditional Music of World Cultures 3
- **MUL 2632** Music in the United States 3
- **MUL 2111** Introduction to Music Literature 3
- **POS 2080** The American Political Tradition 3
- **REL 2300** Introduction to World Religions 4
- **REL 2306** Contemporary World Religions 4
- **REL 2500** History of Christianity 4
- **SPT 2524** Women Writers of Latin America 3
- **SYG 2000** Introduction to Sociology 3

6. Minimum GPA: An overall minimum GPA of 2.5 on all attempted hours.
7. Additional criteria as may be established by each program.

Credit requirements in each major include courses in the following categories: Professional Education Core (25-30 cr. hrs.), Teaching Specialization Preparation (27-49 cr. hrs.), and Liberal Arts Exit Requirements (9 credit hours). For questions concerning General Education and Liberal Arts Exit Requirements, refer to the Liberal Arts Requirements section of the catalog. See specific requirements for each major listed in “Departments and Programs” below.

Additional Selection Criteria

Admission to some programs is based on additional selection criteria beyond the College requirements stated above. Some programs accept a limited number of students. Additionally, certain programs admit students only in a specified semester. Students should refer to the specific program descriptions in this catalog for additional admissions information and prerequisites. Information regarding admission requirements for programs may also be obtained from the Student Academic Services, College of Education (EDU 106).

Education Advising

Student Academic Services (SAS) is responsible for many of the processes and procedures that support the academic pursuits of students in the College. The department’s major areas of responsibility include: Undergraduate Advising, Graduate Studies, Teacher Certification, and Internship. SAS is committed to serving the University community, and particularly students in the College of Education.

Students are ultimately responsible for knowing and fulfilling all university, college, and degree program requirements for graduation. Students are encouraged to make an appointment with an academic advisor each semester. For additional contact information, please call our office or visit our web site at http://www.coed.usf.edu/sas/.

Advising Offices

Tampa Campus: EDU 106, (813) 974-1804
St. Petersburg Campus: DAV 134, (727) 553-1511
Sarasota Campus: PMC 101, (941) 359-4331 or 4330.
Lakeland Campus: LLC 2100, (800) USF-5636 (in state only), or (863) 667-7023

Office Hours: 9 a.m. – 5 p.m. Monday through Friday. The Tampa office is closed on Wednesdays until noon. Some offices are open before 9 a.m. or until 6, Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

Application Information:

(Only admitted USF students are eligible.) At USF-Tampa, the College of Education is located slightly east of the center of campus. For general information, call (813) 974-1804. USF/Tampa Campus students must first register and attend Orientation for the College of Education. During the College’s Orientation, students will complete the C.O.E. application, receive information about their degree program, and register for courses for their first semester. Regional campus students should call their appropriate campus for orientation and advising appointments.

Time Limitations

The College of Education may accept professional education and specialization coursework completed at this University or at other accredited institutions as follows:

1. Courses completed within the last five years may be accepted.
2. Courses completed over five years but less than ten years ago must have the approval of the chairperson from the department in which the equivalent course is taught.
3. Courses completed ten years ago or longer will count as elective credit only.

Qualifications for Internship Experience

The final internship experience involves observing and teaching in an early childhood, elementary, secondary, or exceptional classroom. In most programs internship sites include the entire spectrum of sites available in the various counties served by USF. Special vocational sites are arranged through the Adult and Vocational Education Department. Other than Senior Seminar and EEX 4070, students may not enroll in additional courses during the semester in which the final internship occurs unless an exemption is granted through a petition.

Special requirements for enrollment in the final internship and seminar courses are:

1. Admission to the College of Education.
2. Completion of General Education, “Gordon Rule,” and all other program prerequisites (includes passing all sections of the CLAST).
3. Completion of an application for the final internship by the deadlines noted. Applications for internship may be obtained by attending a workshop sponsored by the Office of Student Academic Services. Applications for Fall Semester are due the preceding January 15. Applications for Spring Semester are due the preceding June 15.
4. Elementary, Early Childhood and Physical Education programs require completion of all professional education and specialization 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 or an overall USF GPA of 2.5.
6. Students must earn a “C-” grade or higher in their required major courses. S/U grades will not apply toward qualifying for internship.

College Requirements for Graduation

To be certified by the College of Education for graduation, a student must have earned a minimum of 120 semester hours of 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 network with majors from programs other than their own. During final internship, SCATT students participate in management and professionalism. SCATT also helps prospective employers

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>Business and Office Education</td>
<td>Leadership Development</td>
<td>(BBE)</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Childhood/Language Arts</td>
<td>(BEC)</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>Childhood/Language Arts</td>
<td>(BEE)</td>
</tr>
<tr>
<td>English Education</td>
<td>Secondary Education</td>
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<td>Foreign Language</td>
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<tr>
<td>Spanish</td>
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<tr>
<td>Industrial-Technical Education</td>
<td>Leadership Development</td>
<td>(BIT)</td>
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<tr>
<td>Mathematics</td>
<td>Secondary Education</td>
<td>(BMA)</td>
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<tr>
<td>Education</td>
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<tr>
<td>Physical Education</td>
<td>Physical Education</td>
<td>(BPE)</td>
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<tr>
<td>K-8</td>
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<td>6-12</td>
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<tr>
<td>Athletic Training</td>
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<tr>
<td>Wellness Leadership</td>
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<tr>
<td>Science Education</td>
<td>Secondary Education</td>
<td>(BSB)</td>
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<tr>
<td>Biology</td>
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<tr>
<td>Chemistry</td>
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<td>(BSC)</td>
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<tr>
<td>Physics</td>
<td></td>
<td>(BSY)</td>
</tr>
</tbody>
</table>

*Course not available at USF*

### Social Science Secondary Education (BSS)

- Varying Exceptionalities Special Education (BEX)
- Art, Dance, Drama, and Music Education are offered in the College of Fine Arts.

#### Requirements for Students entering Teacher Education Programs:

- 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.

<table>
<thead>
<tr>
<th>Program</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005 Introduction to Education</td>
<td>3</td>
<td></td>
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<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACG 2021 Financial Accounting</td>
<td>3</td>
<td></td>
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<tr>
<td>ACG X001 Financial and Managerial Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACG X011 Financial and Managerial Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECO X013 Economic Principles (Macroecon.)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECO X023 Economic Principles (Microecon.)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>XXX XXXX Electives in Business Administration</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Common prerequisites and total program length for state-approved teacher preparation programs are subject to revision based on changes in State Board of Education Rule 6A-5.066 Approval of Preservice Teacher Preparation Programs, as amended August 7, 2000.

In addition to 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.

#### At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

#### Common prerequisites and total program length for state-approved teacher preparation programs are subject to revision based on changes in State Board of Education Rule 6A-5.066 Approval of Preservice Teacher Preparation Programs, as amended August 7, 2000.

In addition to 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.):**

- **EVT 4651** Equity in Schools and Workplace (Exit) 3
- **EVT 4562** Vocational Education for Special Needs Students 4
- **EVT 4936** Senior Seminar in Education 2
- **EVT 4940** Internship 10

*EVT 4940 and 4936 waived for those with certification and teaching experience*

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**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.

---

**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 (waived for ITE majors with certification and teaching experience) 3
- **EDG 2701** Teaching Diverse Populations (completing EVT 4651 and EVT 4562 exempts ITE majors from this course) 3
- **EME 2040** Introduction to Educational Technology (equivalent course or demonstrated competency may be substituted) 3

- **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.

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**Specialization and Professional Education Core (36-48 cr. hrs.):**

- **ADE 4384** Working With Adult Learners 3
- **EDF 3604** Social Foundations of Education (Exit) 3
- **EDF 4360** Special Teaching Methods: Industrial-Technical Education 4
- **EVT 4084** Professional Development in Industrial-Technical Education 3
- **EVT 4165** Curriculum Construction: Industrial-Technical Education 3
- **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

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**Technology Education**

- Within the EVT program, students can pursue state certification in Technology Education. In general, students enrolling in the Technology Education program are expected to have successfully completed, at a community college, most of the technical laboratory courses required for Florida Teacher Certification. Teacher certification requires students to have 30 semester hours, with three (3) semester hours in each of the following areas: (a) materials and processes, (b) drafting and design, (c) energy, (d) graphics, (e) electronics, (f) construction, and (g) industrial systems.

- Students entering this program will have their transcripts evaluated to determine if all technical course requirements have been met. If the student has not completed the technical course requirements, the deficiencies may be corrected by enrolling in the required course(s) at a community college. Since this evaluation procedure is unique to the Technology Education Program, the application for admission should clearly indicate the desired major field as Technology Education.

- The program of studies includes both course work and extensive field experience in school settings. This is to enable students to integrate theory with teaching practice.

- Technology Education students must complete the General Education Requirements of 36 semester hours. Prerequisites of 24 semester hours, the Professional Education Core Requirements of 25-30 semester hours, the Technical Course Requirements of 30 semester hours, and 19 semester hours in Adult and Vocational Education.

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**Specialization and Professional Education Core (19 cr. hrs.):**

- **EIA 3192** Technology Education and Society 4
- **EIA 4360** Special Teaching Methods: Technology Education 3
- **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.

Admission is limited to fall and spring semesters.

EARLY CHILDHOOD PROGRAM

Students may complete a state-approved program to be eligible for licensure in Early Childhood Education Pre-Kindergarten/Primary (age 3 - Grade 3). The current program of studies includes both coursework and extensive field experiences in early childhood settings to enable students to integrate theory with teaching practice. Upon successful completion of the required courses and the associated internships, Early Childhood majors will be eligible for certification in Pre-Kindergarten/Primary (age 3 - Grade 3).

ELEMENTARY EDUCATION PROGRAM

Students may complete a state-approved program to be eligible for certification in Elementary Education (Grades 1-6). Degree and certification requirements are subject to change. The current program of studies includes both coursework and extensive field experience in elementary school settings to enable students to integrate theory with teaching practice.

EARLY CHILDHOOD AND ELEMENTARY EDUCATION PROGRAMS

Early Childhood and Elementary majors will be assigned to a specified sequence of courses to be followed throughout the program enrollment. All internships and field experiences must be successfully completed as a member of an internship team under the supervision of a faculty team leader. Students who withdraw from or who have unsatisfactory grades in the field experiences or internships must petition the department Professional Standards Committee before they will be allowed to repeat the internships.

Students must have an overall USF GPA of 2.5 and a GPA of 2.5 in the combined Professional Core and Teaching Specialization prior to final internship and graduation.

Part-time students in Elementary Education (those planning to take 9 hours or less per semester) must meet program and internship requirements associated with the programs. These requirements include being available to participate in the internships during regular school hours.

Part-time students in Early Childhood Education are not accepted on the Tampa campus and should seek admission to the programs on the Sarasota and St. Petersburg campuses. These students also must meet program and internship requirements associated with the programs. The requirements include being available to participate in internships during regular school hours.

- EARLY CHILDHOOD EDUCATION: PRE-KINDERGARTEN/PRIMARY

Requirements for the B.S. Degree (BEC):

In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs." 

Prerequisites (State Mandated Common Prerequisites):

These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EDF X005 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDC 2701 Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Educational Technology*</td>
<td>3</td>
</tr>
</tbody>
</table>

*equivalent course or demonstrated competency may be substituted

Professional Education Core (33 cr. hrs.):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4111 Child Growth and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4940 Senior Internship and Seminar</td>
<td>10-12</td>
</tr>
<tr>
<td>EEC 4936 Senior Seminar</td>
<td>2</td>
</tr>
<tr>
<td>EEC 4941 Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4942 Field Experience II</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4943 Field Experience III</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4909 Young Children With Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4909 Assess., Eval., Reporting Progress</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315 Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4316 Language Principles and Acquisition</td>
<td>2</td>
</tr>
</tbody>
</table>

Specialization (30 cr. hrs.):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4008 Literature in Early Childhood Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4203 Programs for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4211 Integrated Curriculum: Science and Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4212 Integrated Curriculum: Social Sciences/Humanities &amp; Art</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4300 Cognitive Experiences for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4303 Creative and Affective Experiences for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4408 Child, Family &amp; Teacher Relations</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4706 Language and Emerging Literacy</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>RED 4310 Early Literacy Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

The order in which these courses are to be taken is spelled out in the program of study.

- ELEMENTARY EDUCATION

Requirements for the B.S. Degree (BEE):

In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites):

These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

<table>
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<td>EDG X005 Introduction to Education</td>
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<td>3</td>
</tr>
</tbody>
</table>

*equivalent course or demonstrated competency may be substituted

- Nine (9) semester hours in English to include writing, literature, and speech

• Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
• Nine(9) semester hours in mathematics to include college algebra or above and geometry
• Twelve (12) semester hours in social sciences to include American history and general psychology
• Six (6) semester hours in the humanities, including philosophy and fine arts

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 and certification requirements are subject to change.
The required courses in the program of study are as follows:

**Professional Education Core (29 cr. hours):**

- **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 4316** Language Principles and Acquisition 2
- **EDE 4940** Internship 10

**Specialization (44 cr. hrs.):**

- **ARE 4313** Art For the Child and You 3
- **EDE 4301** Teaching Methods in the Elementary School 3
- **EDE 4942** Childhood Education Internship Level II 6
- **HLP 4722** Health and Physical Education for the Child 2
- **LA 4416** Teaching Literature and Writing in the Elementary Grades (Exit) 3
- **MAE 4310** Teaching Elementary School Mathematics I 3
- **MAE 4326** Teaching Elementary School Mathematics II 3
- **MUE 4210** Music For The Child 3
- **RED 4310** Early Literacy Learning 3
- **RED 4511** Literacy in the Intermediate and Middle Grades 3
- **SCE 4310** Teaching Elementary School Science 3
- **SSE 4313** Teaching Elementary School Social Studies 3

Students are advised that the Elementary Education specialization will require an enrollment of more than the traditional four semesters of the junior and senior years in order to complete the program specialization courses and the required sequence of internship.

The order in which these courses are to be taken is spelled out in the program of study.

**Department of Secondary Education**

The following programs are housed in the Department of Secondary Education:

- English Education
- Foreign Language Education
- Mathematics Education
- Science Education
- Social Science Education

The undergraduate programs offered by the department are designed to prepare students to meet Florida teacher certification requirements and to become highly competent secondary teachers. Specialized courses in the teaching of mathematics, science, and social science are also offered for students majoring in elementary, early childhood, and special education.

**ENGLISH EDUCATION**

Requirements for the B.S. Degree (BEN): In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

**Prerequisites (State Mandated Common Prerequisites):**

These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- **EDF X005** Introduction to Education 3
- **EDG 2701** Teaching Diverse Populations 3
- **EME 2040** Introduction to Educational Technology* 3

*Equivalent course or demonstrated competency may be substituted

- **SPC X600** Public Speaking 3
- **Literature Course** 3
- **Electives in English** 9

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Undergraduate Admission to the College” on the first page of the College of Education section).

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

**Professional Education Core (31 cr. hrs.):**

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

- **EDF 3214** Human Development and Learning 3
- **EDF 3604** Social Foundations of Education (Exit) 3
- **EDG 4620** Curriculum and Instruction 3
- **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 4316** Language Principles and Acquisition 2
- **LA 4936** Senior Seminar in English Education 2
- **LA 4940** Internship: English Education 10

USF degree requirements for English Education are under revision. Please see your academic advisor for updated requirements.

**Program Requirements (33 cr. hrs.):**

1. **English Specialization (21 cr. hrs.):**

- **ENC 3310** Expository Writing 3

One of the following:

- **LIT 3103** Great Literature of the World (Exit) 3
- **WST 4263** Third World Women Writers (Exit) 3

Two of the following:

- **AML 3031** American Literature to 1860 3
- **AML 3032** American Literature 1860-1912 3
- **AML 3051** American Literature 1912-1945 3
- **AML 3604** African-American Literature (Exit) 3
- **AML 4111** Nineteenth-Century American Novel 3
- **AML 4121** Twentieth-Century American Novel 3
- **LIT 4386** British and American Literature by Women (Exit) 3

One of the following:

- **ENL 3015** British Literature to 1616 3
- **ENL 3230** British Literature 1616-1780 3
- **ENL 3251** British Literature 1780-1900 3
- **ENL 3273** British Literature 1900-1945 3

One of the following:

- **ENG 4060** History of the English Language 3
- **LIN 3010** Introduction to Linguistics 3
- **LIN 3670** English Grammar and Usage 3
- **LIN 4671** Traditional English Grammar 3
- **LIN 4680** Structure of American English 3

2. **English Education (12 cr. hrs.):**

- **LA 4323** Methods of Teaching English: Middle School 3
- **LA 4464** Adolescent Literature for Middle and Secondary Students (Exit) 3
In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

**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. Professional Education Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology*</td>
<td>3</td>
</tr>
</tbody>
</table>

*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 Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4620</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Integrating Exceptional Students in the Regular Classroom</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4316</td>
<td>Language Principles and Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>FLE 4315</td>
<td>Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4936</td>
<td>Senior Seminar in Foreign Language Education</td>
<td>2</td>
</tr>
<tr>
<td>FLE 4940</td>
<td>Internship: Foreign Language Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3940</td>
<td>Language Principles and Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>EDF 3940</td>
<td>Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4940</td>
<td>Senior Seminar in Foreign Language Education</td>
<td>2</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 Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology*</td>
<td>3</td>
</tr>
</tbody>
</table>

*equivalent course or demonstrated competency may be substituted

Calculus and Analytic Geometry I* 4
Calculus and Analytic Geometry II* 4
Elective in Mathematics 4

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 Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
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<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4620</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Integrating Exceptional Students in the Regular Classroom</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4365</td>
<td>ESOL Competencies and Strategies</td>
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<tr>
<td>MAE 4936</td>
<td>Senior Seminar in Mathematics Education</td>
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<tr>
<td>MAE 4936</td>
<td>Senior Seminar in Mathematics Education</td>
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**Specialization (29 cr. hrs.):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus III</td>
<td>4</td>
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<tr>
<td>MAD 3100</td>
<td>Discrete Mathematics</td>
<td>3</td>
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<tr>
<td>MAS 3105</td>
<td>Linear Algebra</td>
<td>3</td>
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<tr>
<td>MAS 4214</td>
<td>Elementary Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Elementary Abstract Algebra</td>
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<tr>
<td>MGF 3001</td>
<td>Bridge to Abstract Mathematics</td>
<td>3</td>
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<tr>
<td>MGF 4403</td>
<td>Early History of Math (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4212</td>
<td>Geometry</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elementary Statistics</td>
<td>4</td>
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</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MAE 4320</td>
<td>Middle School Methods</td>
<td>3</td>
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<tr>
<td>MAE 4330</td>
<td>Senior High School Methods</td>
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<tr>
<td>MAE 4551</td>
<td>Reading the Language of Mathematics</td>
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<td>MAE 4652</td>
<td>Technology for Teaching</td>
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<td>MAE 4653</td>
<td>Technology for Teaching</td>
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</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):**

These prerequisites must be met by transfer students as well as USF students. A grade of "C-" is the minimum acceptable grade.
EFD X005 Introduction to Education 3
EFD 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology* 3
*equivalent course or demonstrated competency may be substituted

For Biology Teacher Education -
Biology with Lab 8
Chemistry with Lab or Physics with Lab 8
Electives in Science 6

For Chemistry Teacher Education -
Chemistry with Lab 8
Biology with Lab or Physics with Lab 8
Electives in Science 6

For Physics Teacher Education -
Physics with Lab 8
Biology with Lab or Chemistry with Lab 8
Electives in Science 6

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core for all Tracks (29 cr. hrs.):
The required courses in the professional education core are as follows:
EFD 3214 Human Development and Learning 3
EFD 3604 Social Foundations of Education (Exit) 3
EDG 4620 Curriculum and Instruction 3
EDG 4430 Measurement for Teachers 3
EX 4070 Integrating Exceptional Students in the Regular Classroom 2
FLE 4365 ESOL Competencies and Strategies 3
SSE 4940 Internship: Science Education 10
SSE 4936 Senior Seminar in Science Education 1-2

Required Courses for All Science Education Majors (15 cr. hrs.):
As a minimum, satisfactory completion of the following courses:
SCE 4237 Science, Technology, Society (Exit) 4
SCE 4305 Communication Skills in Science 3
SCE 4320 Teaching Middle Grade Science 3
SCE 4330 Teaching Methods in Secondary School Science 3

Areas of Specialization
(Divided into 3 Tracks Below)

Biological Education
Prerequisites (19 cr. hrs.):
BSC 2010* Biology I with lab 4
BSC 2011* Biology II with lab 4
CHM 2045* General Chemistry I with lab 4
PHY 2053* General Physics I with lab 4
One of the following:
BSC 2085* Human Anatomy Physiology 3
CHM 2046 General Chemistry II w/Lab or
PHY 2054 General Physics II w/Lab 4

Specialization (29 cr. hrs.):
PCB 3063 General Genetics 3
PCB 3023C Cell Biology 4
PCB 3043C Principles of Ecology 3
PCB 3043L Principles of Ecology Lab 1
PCB 4674 Organic Evolution 3
MBC 3030C Introduction to Microbiology 4
BSC 4057 Environmental Issues (Exit) 3
MAC 2281 Engineering Calculus I 3

Chemistry Education
Prerequisites (20 cr. hrs.):
BSC 2010* Biology I with lab 4
CHM 2045* General Chemistry I with lab 4
CHM 2046* General Chemistry II with lab 4
PHY 2053* General Physics I with lab 4
PHY 2054* General Physics II with lab 4
BSC 2011* Biology II with lab 4

Specialization (28 cr. hrs.):
CHM 2046 General Chemistry I w/Lab 4
CHM 2210 Organic Chemistry I 3
CHM 2210L Organic Chemistry I Lab 1
CHM 3120C Elementary Analytical Chemistry 4
CHM 3400 Elementary Physical Chemistry I 3
CHM 3610C Intermediate Inorganic Chemistry 4
CHM 4070 Historical Perspectives in Chemistry (Exit) 3
BCH 3023 Biochemistry 3
MAC 2281 Engineering Calculus I 3

Physics Education
Prerequisites (20 cr. hrs.):
BSC 2010* Biology I with lab 4
CHM 2045* General Chemistry I with lab 4
CHM 2046* General Chemistry II with lab 4
BSC 2011* Biology II with lab 4
PHY 2048* General Physics with lab and 4
PHY 2049* General Physics with lab 4
PHY 2053* General Physics with lab and 4
PHY 2054* General Physics with lab 4

Specialization (31 cr. hrs.):
MAC 2281 Engineering Calculus I 3
MAC 2282 Engineering Calculus II 3
MAC 2283 Engineering Calculus III 3
PHY 2020 Conceptual Physics 3
PHY 3101 Modern Physics 3
PHY 3221 Mechanics I 3
PHY 3323 Electricity & Magnetism I 4
PHY 4031 Great Themes in Physics (Exit) 3
Electives in Physics 6
A Physics Education major will need a three credit hour course in computer applications in physics.

*May be part of General Education Requirements
In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

• SOCIAL SCIENCE EDUCATION
Requirements for the B.S. Degree (BSS): In addition to the courses listed below, students must complete "Preliminary Requirements for Students Entering Teacher Education Programs." It is recommended that students pursue a double major in Social Science Education with History or one of the Social Sciences.

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology* 3
*equivalent course or demonstrated competency may be substituted

Additional prerequisites needed are:
American Government 3
Anthropology 3
### Social Science Education (11 cr. hrs.):

- SSE 4333* Teaching Middle Grades Social Science 3
- SSE 4334 Teaching Secondary Grades Social Science 3
- SSE 4335** Teaching Social Science Themes 3
- SSE 4640 Communications Skills in the Social Sciences 2

*Must be completed prior to SSE 4334 and SSE 4640.

**Can only be taken after SSE 4640.

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### Social Science Education (11 cr. hrs.):

- SSE 4333* Teaching Middle Grades Social Science 3
- SSE 4334 Teaching Secondary Grades Social Science 3
- SSE 4335** Teaching Social Science Themes 3
- SSE 4640 Communications Skills in the Social Sciences 2

*Must be completed prior to SSE 4334 and SSE 4640.

**Can only be taken after SSE 4640.

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### 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.

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### School of Physical Education, Wellness and Sports Studies

The School of Physical Education, Wellness, and Sports Studies teaches a variety of Elective Physical Education courses and conducts Professional Physical Education Teacher Preparation K-8 and 6-12 Programs, Wellness Leadership Program, and an Athletic Training Program.

#### • ELECTIVE PHYSICAL EDUCATION PROGRAM

Elective Physical Education offerings in the School of Physical Education, Wellness, and Sports Studies are designed to provide opportunities for all students in the University to acquire knowledge and movement skills related to an active healthy lifestyle. Laboratory experiences in over twenty-five different exercise and sports activities allow students to select and develop proficiency appropriate for leisure pursuit and personal development. Special competency courses provide for in-depth study in such areas as personal wellness, current issues in sports, and first aid.

#### • PHYSICAL EDUCATION, WELLNESS LEADERSHIP AND ATHLETIC TRAINING

Students must choose one of the following programs: a) Physical Education Grades K-8 (Florida Teacher Certification); b) Physical Education Grades 6-12 (Florida Teacher Certification); c) Wellness Leadership (Non-certification); or d) Athletic Training.

**Requirements for the B.S. Degree (BPE/BPS/BPW):** The two-year programs are offered beginning in the junior year and includes mandatory attendance during the summer session between the junior and senior years. Students can only enter during Fall Semester of each year.

In addition to applying to the University, all students must apply directly to the School. Requests for admission to the Program should be directed to:

**Director**
School of Physical Education, Wellness, & Sport Studies
College of Education
University of South Florida
4202 E. Fowler, PED 214
Tampa, Florida 33620-8600

#### For K-8 Physical Education Track (BPE):

**Prerequisites (State Mandated Common Prerequisites):**

- These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF X005 Introduction to Education 3
- EDF 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology* 3

*equivalent course or demonstrated competency may be substituted

In addition to EDF 2701, the student must take 6 additional hours with an international or diversity focus. The eligible course will be determined by the institution where the student is currently earning his/her AA or Baccalaureate degree.
Human Anatomy and Physiology I with lab 3-4
Care & Prevention of Athletic Injuries 3-4
or
Anatomy and Physiology II with lab 3-4
Skill Development Courses in Physical Activities 4-5
Conditioning, Fitness & Wellness Courses in Physical Activities 3

At least one course taken to meet the natural science requirements in General Education and/or General Program
Prerequisites must include a laboratory component

Professional Education Core:
PET 2010 Personal/Professional Development Seminar 3
PET 3310 Kinesiology 3
PET 3351 Exercise Physiology I 3

Additional Required Courses for K-8 Track:
EDF 3122 Learning & The Developing Child 3
EDF 4430 Measurement for Teachers 3
EDF 3604 Social Foundations of Education (Exit) 3
FLE 4365 ESOL Competencies and Strategies 3
PET 3031 Motor Development & Assessment 3
PET 3252 Issues in Sports (Exit) 3
PET 3421 Curriculum and Instruction in Physical Education 3
PET 3422 Instructional Design & Content: Movement Experiences 3
PET 3441 Instructional Design & Content: Middle School Physical Education: 3
PET 3640 Adapted Physical Education 3
PET 3943 Physical Education Internship: Middle School 4
PET 4401 Organization & Administration of Physical Education Programs 3
PET 4432 Instructional Design & Content: Physical Education Elementary 3
PET 4433 Instructional Design & Content: Physical Education Elementary II 3
PET 4942 Physical Education Pre-Internship: Elementary 4
PET 4946 Internship in Teaching Physical Education: Elementary 12

6-12 Physical Education Track (BPS):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.
Human Anatomy and Physiology I and lab 4
or
Human Anatomy and lab 4
Human Anatomy II and Physiology II and lab 4
or
Human Physiology and lab 4
College Algebra or higher 3
Statistics or Pre-Calculus 3
General Psychology 3
General Nutrition 3
Survey of Chemistry or higher 3
Survey of Chemistry or higher lab 1

In addition to EDG 2701, the student must take 6 additional hours with an international or diversity focus. The eligible course will be determined by the institution where the student is currently earning his/her AA or Baccalaureate degree.

Anatomy and Physiology I with lab 3-4
Care & Prevention of Athletic Injuries 3-4
or
Anatomy and Physiology II with lab 3-4
Skill Development Courses in Physical Activities 4-5
Conditioning, Fitness & Wellness Courses in Physical Activities 3

At least one course taken to meet the natural science requirements in General Education and/or General Program
Prerequisites must include a laboratory component

Professional Education Core (for All Tracks):
PET 2010 Personal/Professional Development Seminar 3

Additional Required Courses For 6-12 Track:
EDF 3604 Social Foundations of Education (Exit) 3
EDF 4430 Measurement for Teachers 3
EDF 4131 Learning and the Developing Adolescent 3
EDG 4365 ESOL Competencies and Strategies 3
PET 3031 Motor Development & Assessment 3
PET 3252 Issues in Sports (Exit) 3
PET 3421 Curriculum and Instruction in Physical Education 3
PET 3422 Instructional Design & Content: Movement Experiences 3
PET 3441 Instructional Design & Content: Middle School Physical Education 3
PET 3640 Adapted Physical Education 3
PET 3943 Physical Education Internship: Middle School 4
PET 4401 Organization & Administration of Physical Education Programs 3
PET 4442 Instructional Design & Content: Physical Education Secondary 3
PET 4443 Instructional Design & Content: Physical Education Secondary II 3
PET 4944 Physical Education Pre-Internship: Secondary 4
PET 4947 Internship in Teaching Physical Education: Secondary 12

For Wellness Leadership Track (BPW):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.
Human Anatomy and Physiology I and lab 4
or
Human Anatomy and lab 4
Human Anatomy II and Physiology II and lab 4
or
Human Physiology and lab 4
College Algebra or higher 3
Statistics or Pre-Calculus 3
General Psychology 3
General Nutrition 3
Survey of Chemistry or higher 3
Survey of Chemistry or higher lab 1

Students must pass all sections of the CLAST within 1st semester after admission to the program.

Professional Education Core (for Wellness Tracks):
PET 2010 Personal/Professional Development Seminar 3
PET 3310 Kinesiology 3
PET 3351 Exercise Physiology I 3

Additional Courses Required For Wellness Leadership Track:
ADE 4384 Working with the Adult Learner 3
GEY 3601 Behavior Change in Later Life 3
HLP 4941 Wellness Internship 12
HUN 2201 Nutrition 3
PEM 2331 Weight Training 3
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
Applying after March 1st and before August 1st will be accepted consideration into the Athletic Training Program Track. Students only on a space available basis.

Professional Education Core

2. Professional Education Core:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4353</td>
<td>Exercise Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>PET 4384</td>
<td>Health Fitness Appraisal &amp; Exercise Prescription</td>
<td>3</td>
</tr>
</tbody>
</table>

For Athletic Training Track (BPA):

The undergraduate Athletic Training Program Track is a limited access program designed to prepare students for a successful career as a qualified allied health care professional educated and experienced in the management of health care problems associated with sports participation. Selected admissions to the track is gained through completion of required criteria 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 NATA/BOC 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: EDF 2005, EDG 2701, and EME 2040)
   c. successfully pass the CLAST examination within the 1st semester after admission to the program.
   d. submit a completed Athletic Training Application by March 1st.
   e. meet the technical standards for admission or show potential for accomplished tasks.
   f. complete an interview by invitation.
   g. achieve a cumulative GPA of 2.5.
   h. achieve a prerequisite GPA of 2.8.
   i. complete the General Education Requirements of the University (36 cr. hrs.) See the University General Education Requirements section of the catalog.
   j. complete the following prerequisites or an equivalent with at least a “C” average: (33 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC 2010*</td>
<td>Biology I – Cellular Processes</td>
<td>3</td>
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<td>BSC 2010L</td>
<td>Biology I Laboratory</td>
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<td>BSC 2093</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2094S</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>3</td>
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<tr>
<td>CHM 2045*</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HSC 2100*</td>
<td>Contemporary Health Science</td>
<td>3</td>
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<tr>
<td>HSC 2400</td>
<td>First Aid &amp; CPR</td>
<td>2</td>
</tr>
<tr>
<td>PET 2622C</td>
<td>Care &amp; Prevention of Athletic Injuries</td>
<td>3</td>
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<tr>
<td>PET 2653</td>
<td>General Physics</td>
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<td>PHY 2053L</td>
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<td>PSY 212*</td>
<td>Introduction to Contemporary Psychology</td>
<td>3</td>
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<td>STA 2023*</td>
<td>Introductory Statistics I</td>
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   *Denotes prerequisite courses that complete General Education Requirements

2. Professional Education Core:

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<thead>
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<tr>
<td>PET 3351</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

3. Additional required Courses for Athletic Training Track:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN 3201</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PET 3617C</td>
<td>Orthopedic Physical Assessment I</td>
<td>3</td>
</tr>
<tr>
<td>PET 3618C</td>
<td>Orthopedic Physical Assessment II</td>
<td>3</td>
</tr>
<tr>
<td>PET 3621C</td>
<td>Prevention of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>PET 3624C</td>
<td>Emergency Management of Athletic Trauma</td>
<td>3</td>
</tr>
<tr>
<td>PET 3630C</td>
<td>Techniques in Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>PET 3660</td>
<td>Athletic Training Administration &amp; Policy</td>
<td>3</td>
</tr>
<tr>
<td>PET 3670L</td>
<td>Clinical Instruction in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>PET 3671L</td>
<td>Clinical Instruction in Athletic Training II</td>
<td>3</td>
</tr>
<tr>
<td>PET 4353</td>
<td>Exercise Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>PET 4384</td>
<td>Health Fitness Appraisal &amp; Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>PET 4627</td>
<td>Management of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>PET 4632C</td>
<td>Therapeutic Modalities</td>
<td>3</td>
</tr>
<tr>
<td>PET 4633C</td>
<td>Therapeutic Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>PET 4672L</td>
<td>Clinical Practice in Athletic Training I</td>
<td>3</td>
</tr>
<tr>
<td>PET 4737L</td>
<td>Clinical Practice in Athletic Training II</td>
<td>3</td>
</tr>
<tr>
<td>PET 4933</td>
<td>Seminar in Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>PET 4935</td>
<td>Case Studies in Athletic Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

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.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3122</td>
<td>Learning and the Developing Child</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4111</td>
<td>Child Growth and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4131</td>
<td>Learning and the Developing Adolescent</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition the department offers:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3228</td>
<td>Human Behavior and Environmental Selection</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3542</td>
<td>Philosophy of Education</td>
<td>4</td>
</tr>
<tr>
<td>EDF 4905</td>
<td>Independent Study: Educational Foundations</td>
<td>1-3</td>
</tr>
<tr>
<td>EDF 4909</td>
<td>Directed Study: Educational Foundations</td>
<td>1-3</td>
</tr>
<tr>
<td>EDF 5136</td>
<td>Adolescence</td>
<td>4</td>
</tr>
<tr>
<td>EDF 5285</td>
<td>Programmed Instruction and Teaching Machines</td>
<td>3</td>
</tr>
<tr>
<td>EDF 5672</td>
<td>American Democracy and Public Education</td>
<td>3</td>
</tr>
<tr>
<td>IDS 3115</td>
<td>Values and Choices</td>
<td>3</td>
</tr>
</tbody>
</table>

The Counselor Education program offers undergraduate courses focusing on human services skill development, decision-making and personal growth. Course content contributes to student success in academic and personal endeavors and may serve to orient students to post-graduate work in human services fields.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 4001</td>
<td>Introduction to Guidance Processes</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4052</td>
<td>Human Relations Skills in Counseling</td>
<td>4</td>
</tr>
<tr>
<td>MHS 4905</td>
<td>Independent Study: Guidance and Counseling Education</td>
<td>1-4</td>
</tr>
<tr>
<td>SDS 4040</td>
<td>Introduction to Student Personnel Work in Higher Education</td>
<td>2</td>
</tr>
<tr>
<td>SLS 1101</td>
<td>The University Experience</td>
<td>2</td>
</tr>
</tbody>
</table>
Department of Special Education

The Department of Special Education prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a state-approved program that leads to certification in Varying Exceptionalities.

Students are required to meet University and College of Education entrance requirements prior to enrollment in the Department. Upon admission, students affiliate with the campus on which they wish to take their program of studies. Students may not register for courses on other campuses without permission. On the Tampa Campus, students are assigned to teams. All courses are taken with the assigned team. Since no teams start in the summer, there are no summer admissions. The program sequence includes three semesters of part-time field experience and one semester of full-day internship. All part-time field experiences must be successfully completed as a member of a team concurrently enrolled in a specified course in designated local schools. Final internships are assigned only to designated school districts where partnerships exist. Field experiences begin during the first semester of a student’s enrollment with increasing involvement throughout the program. Students are responsible for providing transportation to their experience sites.

In some instances students may pursue a part-time program (9 hours or less a semester). This requires that students be available to participate in field experiences and concurrent classes during regular school hours.

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met before transferring as well as USF students. A grade of "C" is the minimum acceptable grade.

EDF 3122 Learning and the Developing Child 3
EDF 3214 Human Development and Learning 3
EDF 3604 Social Foundations of Education (Exit) 3
EDG 4620 Curriculum and Instruction 3
EDF 4430 Measurement for Teachers 3
FLE 4315 Teaching LEP Students K-12 3
FLE 4316 Language Principles and Acquisition 2
EEX 4940 Internship: Exceptional Student Education 9

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

EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology* 3
*Equivalent course or demonstrated competency may be substituted.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

- Nine (9) semester hours in English to include writing, literature, and speech
- Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory
- Nine (9) semester hours in mathematics to include college algebra or above and geometry
- Twelve (12) semester hours in social sciences to include American history and general psychology
- Six (6) semester hours in the humanities, including philosophy and fine arts

Area of Specialization

Varying Exceptionalities (BPX)

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

- EEX 4941 Undergraduate Supervised Practicum 1-6
- EEX 4011 Foundations of Special Education 3
- EEX 4054 Perspectives on Learning and Behavioral Disorders 3
- EEX 4221 Educational Assessment of Exceptional Students 3
- EEX 4243 Education of the Exceptional Adolescent and Adult 3
- EEX 4604 Behavior Management for Special Needs and at Risk Students 3
- EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues (Exit) 3
- EEX 4846 Clinical Teaching in Special Education 3
- EMR 4011 Mental Retardation and Developmental Disabilities 3
- LAE 4416 Teaching Literature and Writing in the Elementary Grades 3
- MAE 4310 Teaching Elementary School Mathematics I 3
- RED 4310 Early Literacy Learning 3
- RED 4511 Literacy in the Intermediate and Middle Grades 3

Student Organizations and Activities

COLLEGE OF EDUCATION STUDENT COUNCIL

The College of Education Student Council represents the interests of education majors in regard to policies and needs of the college. The Council leadership team consists of five officers (President, Vice-President, Secretary, Treasurer, and Historian) and seven Student Government Senators. Elections are held annually; all pre-education and education majors are eligible to vote for all officers.

C.E.S.C. activities enhance members’ professional growth, provide opportunities for professional and community service, and serve as a forum for socialization. Any student majoring in education with a minimum GPA of 2.0 is eligible to participate in C.E.S.C.

CHILDHOOD EDUCATION ORGANIZATION

The Association for Childhood Education International is a non-profit professional organization concerned with the education and well-being of children through 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, with children from birth to early adolescence.

STUDENT ATHLETIC TRAINERS’ ASSOCIATION (SATA)

The role of this organization shall be to provide students an opportunity for professional growth and exchange of professional ideas in the field of sports medicine. Activities of SATA include opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

STUDENT COUNCIL FOR EXCEPTIONAL CHILDREN

The Student Council for Exceptional Children (SCEC) is an organization of those members of the University interested in the education of children who are gifted, emotionally disturbed,
physically handicapped, mentally retarded, or have specific learning disabilities.

Activities of the USF Chapter include field trips to various special educational facilities, opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

NATIONAL EDUCATION ASSOCIATION STUDENT PROGRAM (NEASP)
The National Education Association extends its usual member benefits to student teachers, providing opportunities for professional growth, leadership training, and also $1 million liability insurance coverage while interns are engaged in student teaching. Membership is open to all students.

KAPPA DELTA PI
Kappa Delta Pi is an international co-educational honor society in Education. The society was founded to recognize and encourage excellence in scholarship, high personal standards, improvement in teacher preparation, and distinction in achievement.

ASSOCIATION OF PHYSICAL EDUCATION COLLEGE STUDENTS (APECS)
The Physical Education and Wellness Association (PEWA) is open to all students enrolled in the Physical Education and Wellness Programs. Social and professional meetings are conducted throughout the year. Professional service to the community is also provided by the association.

MATHEMATICS EDUCATION CLUB
The role of this organization shall be to provide an informative and supportive environment for all members, encourage scholarship, and provide a helpful atmosphere for students progressing through the Mathematics Education program.

Membership shall be available to any student in good standing who expresses interest in the Mathematics Education program at USF.

MINORITY ORGANIZATION OF STUDENTS IN EDUCATION (MOSE)
The Minority Organization of Students in Education is organized to provide students with experiences that will facilitate the educational and professional growth of its members. This is achieved by enriching the students' experiences, informing them of various opportunities and involving them in activities. Guest speakers are invited to meetings to discuss topics of interest to the members. Resource people are used to inform students of employment and graduate school opportunities. Members of M.O.S.E. sponsor and participate in community service programs.

SCIENCE EDUCATION ASSOCIATION (SEA)
The Science Education Association provides a supportive environment for students majoring in science education, although membership is open to anyone interested in science. SEA plans field trips, guest speakers, and the compiling of a classroom science activities file for education majors.

EDUCATION FACULTY

CHILDHOOD/LANGUAGE ARTS/READING EDUCATION


LEADERSHIP DEVELOPMENT

EDUCATIONAL MEASUREMENT AND RESEARCH

PHYSICAL EDUCATION, WELLNESS, AND SPORTS STUDIES

PSYCHOLOGICAL AND SOCIAL FOUNDATIONS

SECONDARY EDUCATION

SPECIAL EDUCATION
Students interested in particular programs offered by the College of Engineering should direct their inquiries to the College of Engineering Office of Student Services (see Advising section below). Information is also available on the College’s website: http://www.eng.usf.edu/.

PROFESSIONAL ENGINEERING

The College of Engineering recognizes that modern engineering solutions draw on knowledge of several branches of engineering. It also recognizes that future technological and societal developments will lead to shifting of the relative emphasis on various branches of engineering, triggered by new needs or a reassessment of national goals. For this reason the College’s programs include a strong engineering foundation portion, designed to equip the prospective engineer with a broad base of fundamental technical knowledge. To this foundation is added the student’s specialization of sufficient depth to prepare him/her to successfully embark on a professional career.

The Bachelor of Science degrees offered in various engineering fields provide the student a broad education with sufficient technical background to contribute effectively in many phases of engineering not requiring the depth of knowledge needed for advanced design or research. However, while the baccalaureate degree is considered the minimum educational experience for participating in the Engineering profession, and as such is the first professional degree, students interested in design and research are strongly encouraged to pursue advanced work beyond the baccalaureate either at this or other institutions. It is becoming increasingly evident that large segments of today’s engineering professionals are involved in some form of post baccalaureate study. Engineers are earning advanced degrees to obtain the information and training necessary to meet effectively tomorrow’s technological challenges. All are faced with the continuing problem of refurbishing and updating their information skills and most are obtaining advanced information by means of formal graduate study, seminars, special institutes and other such systems designed for this purpose. Life-long learning is a fact in engineering practice, and graduates must be aware and prepared to follow it.

The Bachelor of Science degree program in a designated engineering field and the Master of Science degree in the same field may be pursued simultaneously in a program called the 5-Year Program. The 5-Year Program requires 30 semester hours of graduate work in addition to that of the Bachelor of Science degree.

Preparation for Engineering

Students planning to attend USF’s College of Engineering should familiarize themselves thoroughly with the College’s 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 select 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 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.

The “Four Year Programs” section includes suggested courses students need to take, beginning with their first semester at USF.
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 students intending to pursue an engineering program at USF should contact the advisor at their institution and request a course equivalency list.

The College of Engineering can assist students who are planning to obtain an Engineering degree from the University of South Florida and who have started their studies elsewhere in formulating a sound total program. Interested students should contact the College’s Office of Student Services (813/974-2684) furnishing sufficient details to permit meaningful response.

STUDENT COMPUTER POLICY

Although it is not mandatory, the College strongly recommends acquisition of either a desktop or a laptop personal computer. Recommended computer configuration for a student to be able to run engineering applications is indicated on the College web page http://www.eng.usf.edu. For further details, contact the Associate Dean of Engineering or the Director of Engineering Computing in the College. Also see the section on “College Computing Facilities.”

Undergraduate Admission to the College of Engineering

Before declaring a particular major within the field of engineering, students must meet admission requirements for the student’s chosen degree program. 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 Office of Engineering Student Services, 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

Students meeting or exceeding the below criteria are granted direct entry to the College. Others are classified “Pre-Engineering.”

1. Freshmen:
   a. Test Scores:
      SAT—combined score of 1050 minimum with a minimum quantitative of 550.
      ACT—combined score of 25 minimum and mathematics of 25 minimum.
   b. High School Mathematics: Should include sufficient algebra and trigonometry to enter Engineering Calculus I.
   c. High School Grade Point Average of 2.5/4.0.

2. Transfer Students:
   a. Engineering:
      University of South Florida’s engineering program at the junior level from a Florida community college must successfully complete all courses shown below with a minimum grade of "C" are accepted directly into the College of Engineering.

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

   Mathematics:
      MAC 2311 Engineering Calculus I (4) or MAC 2281, MAC 2282, MAC 2283
      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

   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 (4)
      PHY X049/X049L General Physics and Laboratory II (4)

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

   b. Computer Science
      Transfer students into the Computer Science program from a Florida community college are not required to have Differential Equations or any of the Chemistry courses indicated above.

   c. Information Systems
      Transfer students into the Information Systems program from a Florida community college are not required to have Calculus III, Differential Equations or any of the Chemistry courses indicated above.

   d. Information Technology
      Transfer students into the Information Technology (IT) Program from a Florida Community College are not required to have taken Calculus, Differential Equations or Chemistry courses as listed above. Of the courses required for entrance into the IT program (as described in the following sections), the subset of those courses required for admission is:
      MAC XXXX Pre-Calculus
      XXXX Discrete Mathematics
      STA 2023 Introduction to Statistics
      COP XXXX Computer Programming (e.g., C, Java, Pascal, etc.)

   Note: The XXXX course number designation indicates that any course in the Florida system with the appropriate prefix and title is acceptable.

All other transfer students should contact the College’s Admission Office (813/974-2684).

REQUIRED PREREQUISITES FOR ENTERING ENGINEERING PROGRAMS

Once a student has been admitted to the College of Engineering, he/she must then seek admission into one of the specific departments.

The minimum requirements for acceptance by the departments administering the Engineering programs in Chemical, Civil, Electrical, Industrial and Mechanical Engineering are completion of English, Calculus, Physics and Chemistry requirements.

The minimum requirements for admission to the Computer Engineering, Computer Science, and Information Systems programs offered by the Computer Science and Engineering Department are completion of English I & II, Physics I & II (and labs) and Calculus I & II with a grade point average of 3.0 or higher in those eight courses. Following departmental admission, it is necessary that a student complete the courses CDA 3100 (Computer Organization), COP 3514 (Program Design) with a grade point average for all attempts of at least 3.0 prior to taking any other departmental courses.

The requirements for admission into the Information Technology program are completion of English, Statistics, Microeconomics, a Database course, a Computer Programming
course, Pre-Calculus, a Physics course, and Discrete Mathematics. Unless stated otherwise, a grade of "C" is the minimum acceptable grade, but a 2.5 minimum GPA is expected in the above courses. Early entry into the IT program is possible for students with a 2.5 GPA in those courses required for entry into the college. The remaining courses must be completed before graduation. Equivalent courses may be accepted if they meet program objectives.

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 be advised by the department advisor prior to completing requirements for department admission if he or she so chooses. This type of student must still comply with all of the above-listed requirements prior to official acceptance by the department.

Engineering Advising

Effective pursuit of engineering and engineering related studies requires careful attention to both the sequence and the type of courses taken. The engineering curriculum differs in key respects from the study plans of other majors—even in the freshman year.

New students must attend the University's Orientation program. They are assigned an engineering advisor during this program and receive advisement for their first semester at that time.

The student and advisor jointly work out a plan of study that meets both the student's career objectives and the College of Engineering's degree requirements. The advisors maintain the College of Engineering student's records.

Students not yet meeting departmental admissions requirements may elect to be advised by the general engineering advising office or the department of their intended specialization.

While the College provides advising services to assist students with academic planning, the responsibility for seeing that all graduation requirements are met rests with the students.

The College of Engineering requires all undergraduates to apply for graduation the semester prior to the anticipated graduation term. Necessary forms and instructions can be obtained in the Engineering Student Services Office.

Advising Offices

Tampa Campus: The College of Engineering is located near the south-central side of campus; the Engineering Student Services Office is located in ENC 1302, (813) 974-2884.

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. For off-time meeting hours, please call the College's advising office.

DEPARTMENTS AND PROGRAMS

The supervision of the academic programs for the College is the function of the administrative departments together with several coordinators. Each department is responsible for specific professional programs, faculty, laboratories, and student advising.

CHEMICAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Chemical Engineering (B.S.C.H.)

Graduate Degrees Offered:
Master of Science in Chemical Engineering (M.S.C.H.)
Master in 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, separation processes, reactors, instrumentation and process control, economics, optimization, computational methods, computer-aided design techniques, and process/plant design. These courses, together with mathematics, physics, chemistry, other interdisciplinary engineering fundamentals, English, and liberal arts courses, provide the basis for long-range professional progress. Because of the many professional areas available for employment to the chemical engineer, the students are also required to take a number of electives from areas such as biotechnology, materials, and environmental engineering. These electives are designed to broaden the experience, and, therefore, the employment possibilities of our graduates. The Chemical Engineering Department also offers a sequence of courses in Chemical Engineering Science, biotechnology and biomedical engineering.

A sequence of courses in the engineering aspects of biotechnology is currently available within the Chemical Engineering program. Topics include applied microbiology, fermentation, enzyme technology, cell separation technology, biomed-ical engineering, biomaterials, biotechnology, and biomechanics.

CIVIL AND ENVIRONMENTAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Civil Engineering (B.S.C.E.)

Graduate Degrees Offered:
Master of Science in Civil Engineering (M.S.C.E.)
Master or Science in Engineering (M.S.E.)
Master of Science in Environmental Engineering (M.S.E.V.)
Master of Civil Engineering (M.C.E.)
Master of Engineering (M.E.)
Master of Environmental Engineering (M.E.V.E.)
Doctor of Philosophy in Civil Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study pertinent to Civil Engineering, Engineering Mechanics, Material Science, and Environmental Engineering. Areas of concentration are structural engineering, engineering mechanics, geotechnical engineering, transportation engineering, water resources engineering, materials and corrosion engineering, and environmental engineering.

Students completing the program may enter the profession as engineers in civil, structural, geotechnical, transportation, water resources, environmental, hydraulics, or materials disciplines. All of these disciplines share the need for knowledge in the areas of engineering mechanics, civil engineering, material science, and environmental engineering. Through choice of the proper area of concentration, a student has the opportunity to channel academic studies specifically towards his/her career choice.

Graduates of the program may commence their engineering careers in either industry, engineering consulting firms, or public service at the federal, state, or local level. Initial assignments may include planning, design and implementation of water resources systems; planning and design of transportation and housing systems; regional planning, design, and management for abatement of air, water and solid waste pollution problems; design of bridges and single and multistory structures; and supervision of construction projects.

COMPUTER SCIENCE AND ENGINEERING

Undergraduate Degrees Offered:
Bachelor of Science in Computer Engineering (B.S.Cp.E.)
Bachelor of Science in Computer Science (B.S.C.S)
Bachelor of Science in Information Systems (B.S.I.S)
Graduate Degrees Offered:
- Master of Science in Computer Science (M.S.C.S.)
- Master of Science in Computer Engineering (M.S.C.E.)
- Doctor of Philosophy in Computer Science and Engineering (Ph.D.)
- Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Computer Science, Computer Engineering, and Information Systems. Topics dealt with are computer architecture and hardware design, software engineering, computer system organization, operating systems, algorithms and data structures, computer graphics, user interface, software testing, computer networks, database systems, robotics, theory of computation and artificial intelligence.

Our research areas of faculty concentration are 1) computer architecture and VLSI design/testing, 2) artificial intelligence and robotics, 3) graphics/image processing/computer vision, and 4) networks, software testing.

Computing facilities available to students in the Department include several microprocessor and design laboratories for hardware-oriented studies, personal computer laboratories for general use in programming assignments, and networked SUN workstations for use by majors. The Department maintains a number of research laboratories equipped with special purpose hardware. In addition, the Department has access to a large IBM mainframe facility run by the University Computing Center.

ELECTRICAL ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Electrical Engineering (B.S.E.E.)
Graduate Degrees Offered:
- Master of Science in Electrical Engineering (M.S.E.E.)
- Master of Engineering (M.E.)
- Master of Science in Engineering 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 analysis and design, electronics, communications, electromagnetics, controls, solid state, system analysis, digital circuit design, microelectromechanical systems (MEMS) and the like. Basic concepts are augmented with well-equipped laboratories in circuits, electronics, digital systems, microwave techniques, wireless circuits & systems, controls and communications. In addition, a general-purpose computer facility, a microprocessor and digital signal processing laboratory and a microelectronics fabrication, design/test and metrology laboratory are available to undergraduate and graduate students.

INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Industrial Engineering (B.S.I.E.)
Graduate Degrees Offered:
- Master of Science in Industrial Engineering (M.S.I.E.)
- Master of Engineering (M.E.)
- Master of Science in Engineering Science (M.S.E.S.)
- Master of Science in Engineering Management (M.S.E.M.)
- Master of Industrial Engineering (M.I.E.)
- Doctor of Philosophy in Industrial Engineering (Ph.D.)
- Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers study pertinent to the design, evaluation and operation of a variety of industrial systems, ranging from the analysis of public systems to the operation of manufacturing plants. Topics include production planning and control, production and plant design, applied statistics, operations research, human factors and productivity, manufacturing, and automation. The department has excellent laboratory facilities which support class projects and research in microcomputer applications, computer-aided manufacturing, automation, and applications of robotics. Evening and off-campus programs are available through the Master of Science in Engineering Management (M.S.E.M.) program. The department also administers the manufacturing option in the M.S.E. program.

MECHANICAL ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Mechanical Engineering (B.S.M.E.)
Graduate Degrees Offered:
- Master of Science in Mechanical Engineering (M.S.M.E.)
- Master of Engineering (M.E.)
- Master of Science in Engineering (M.S.E.)
- Doctor of Philosophy in Mechanical Engineering (Ph.D.)
- Doctor of Philosophy in Engineering Science (Ph.D.)

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

Graduates of this program are employed in research, design, production, marketing, service, installation (contracting), maintenance and operation in such industries as mining, petro- leum, 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/CAE, vibrations, and aerodynamics.

Preliminary Coursework for Engineering Students

Both the four-year and five-year curricula of the College of Engineering Bachelor of Science programs are 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
- Common Engineering Courses
- Department Specialization

Special course requirements exist for Chemical Engineering, Computer Engineering, Computer Science, and Information Systems (IT), and students selecting any of those fields should be aware of their specific requirements. Students may consult the degree granting department or the College’s Advising Office for detailed information.

1. UNIVERSITY LIBERAL ARTS REQUIREMENTS

All students are required to take 42 semester hours to complete the University liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 6 semester hours will satisfy the exit requirements. These requirements are distributed as follows:

<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>
<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* (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

For students in the engineering programs, the mathematics 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. Science coursework includes the Physics with Calculus sequence and General Chemistry course(s) depending on the degree-granting program.

Students whose high school preparation is insufficient to enter the Calculus for Engineers are required to take supplementary algebra and trigonometry prior to being considered for acceptance into the College.

Students in the Information Technology program must meet the math and science requirements in the Four Year Program or in the State Mandated Common Prerequisites at a Florida Community College.

FOUR-YEAR PROGRAMS

LEADING TO A BACHELOR OF SCIENCE DEGREE
IN A DESIGNATED ENGINEERING FIELD

These engineering degrees are awarded upon successful completion of a program consisting of the required areas of coursework. Programs are offered in the following disciplines of Engineering:

• CHEMICAL ENGINEERING

Mission Statement
The mission of the Department of Chemical Engineering is to provide fundamental knowledge and contemporary skills for the development, economic design, and safe operation of chemical processes in a manner compatible with societal values.

Program Education Objectives
1. Our graduates will be able to apply engineering and scientific principles to the development, economic design, and safe operation of chemical processes in a manner compatible with societal values.
2. Our graduates will be able to build upon their undergraduate education, expanding and adapting their knowledge and skills in their chosen career path.
3. Our graduates will be able to function as professionals, working both as individuals and as team members striving towards common objectives, communicating effectively and following appropriate ethical standards in the process.
4. Our graduates will be able to be productive members of society in general as a result of their technical abilities combined with their broad exposure to the humanities and awareness of societal and global issues.

Students pursuing the Bachelor of Science in Chemical Engineering take coursework in advanced chemistry, thermodynamics, fluids, heat, and mass transfer, numerical methods, separation processes, reacting systems, instrumentation, control, and plant design. Students must also satisfactorily complete a design project as part of their program. Students seeking the Biotechnology/Biomedical Certificate are also required to take additional courses in general biology, microbiology, and biochemistry. Chemical Engineering Students must maintain a GPA of 2.0 in required departmental courses. Therefore, it is imperative that the students retain close contact with their advisor.

Students completing this program normally initiate their careers in manufacturing, environmental, and biological enterprises. Chemical engineers are found in administrative, technical, and research positions in these industries. Main products of these industries are petrochemicals, polymers, fibers, natural and synthetic fuels, electronic materials, fertilizers, pharmaceuticals, bio-materials, etc.

Solutions of modern societal and scientific problems often require the use of chemical engineering skills. Chemical Engineering students must have access to an IBM compatible personal computer during their last two years of study. Those who do not own one will be severely disadvantaged.

Four-Year Curriculum - Chemical Engineering

In addition to the College’s graduation requirements, the department has the following policies:
1. Mandatory academic advising of students for each term.
2. Exit interviews as a graduation requirement.
3. All graduating seniors must take the Chemical Engineering Fundamentals of Engineering Examination.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the University’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

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

Humanities & Social Sciences:
Humanities Courses (6)
Social Science Courses (6)

Mathematics:
USF C/C
MAC 2281 MAC 2311* (4)
MAC 2282 MAC 2312* (4)
MAC 2283 MAC 2313* (4)
MAP 2302 MAP 2302 (3)

*or MAC 2281, MAC 2282, MAC 2283
### Natural Sciences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>C/C</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>CHM 1045* (3)</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

The schedule that follows indicates how a diligent student who can devote full time to coursework can satisfy requirements in four academic years. Students without a solid foundation or who cannot devote full time to academics should plan a slower pace.

### Semester I

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2281 Engineering Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3000 Foundations of Engineering</td>
<td>1</td>
</tr>
<tr>
<td>ALAMEA Perspectives Elective</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
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### Semester II

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>MAC 2282 Engineering Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046 General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2048 General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>Historical Perspectives Elective</td>
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<td>Total</td>
<td>18</td>
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### Semester III

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2283 Engineering Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046L General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049 General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L General Physics II Lab</td>
<td>1</td>
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<tr>
<td>EGN 3311 Statics</td>
<td>3</td>
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<td>ENC 3211 Communications for Engineers</td>
<td>3</td>
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<tr>
<td>Total</td>
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</table>

### Semester IV

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3358 Thermo, Fluids &amp; Heat Transfer</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3373 Circuits</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3443 Engineering Statistics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economy</td>
<td>3</td>
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<tr>
<td>Total</td>
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### Semester V

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECH 3023 Process Engineering I</td>
<td>4</td>
</tr>
<tr>
<td>ECH 3023L Chemical Engineering Lab I</td>
<td>1</td>
</tr>
<tr>
<td>ECH 4264 Transport Phenomena</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>ECH 4931 Chemical Engineering Thermo</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
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</table>

### Semester VI

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECH 4265C Process Engineering II</td>
<td>4</td>
</tr>
<tr>
<td>ECH 4265L Chemical Engineering Lab II</td>
<td>1</td>
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<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L Organic Chemistry II Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 4412 Physical Chem. III</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>13</td>
</tr>
</tbody>
</table>

### Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Engineering Elective</td>
<td>3</td>
</tr>
<tr>
<td>Chemical Engineering Elective</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3365 Materials Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
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</table>

### Semester VII

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 4415C Process Engineering III</td>
<td>4</td>
</tr>
<tr>
<td>ECH 4415L Chemical Engineering Lab III</td>
<td>1</td>
</tr>
<tr>
<td>ECH 4845 Quant. Methods Chemical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Chemical Engineering Elective</td>
<td>2</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perpectives Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
</tr>
</tbody>
</table>

### Semester VIII

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 4323C Automatic Controls I</td>
<td>4</td>
</tr>
<tr>
<td>ECH 4615 Plant Design (MW/MI)</td>
<td>4</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>14</td>
</tr>
</tbody>
</table>

## CIVIL AND ENVIRONMENTAL ENGINEERING

### Mission Statement

The mission of the Department of Civil and Environmental Engineering is:

1. to provide a quality educational experience for all students, both undergraduate and graduate, at the level of the top ranked universities in the nation;
2. to develop new knowledge, processes, or procedures through research which will benefit mankind; and
3. to provide service through professional activities.

### Undergraduate Program, Vision and Guiding Principles

The Department will provide our undergraduate students with a strong, broad-based, engineering education which gives them the basic intellectual and organization skills that allow them to work with complex systems with technological, social, and environmental components. As many of our 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. The curriculum is designed to encourage lifelong learning and to prepare students for undertaking advanced studies in engineering or in other professional areas.

### Undergraduate Educational Objectives

1. The Department will provide undergraduate students with a strong technical education needed for a career in civil engineering.
2. The Department will provide undergraduate students with an education that prepares them to perform effectively in the workplace with the communication skills needed to deal with co-workers, clients, and the public.
3. The Department will provide undergraduate students with an education that allows them to understand the societal implications of engineering decisions and designs in both a local and global context and the ethical training to evaluate those implications.
4. The Department will provide undergraduate students with an education that promotes the full and continuing development of their potential as engineers and effective members of society.

### Concentrations

In addition to designated common coursework in engineering mechanics, civil, and environmental engineering, students undertake a concentration of 9 hours of coursework plus a 3-hour capstone design course in one of the following areas: environmental engineering, water resources, structures, materials, geotechnical with emphasis on structures, geotechnical with emphasis on transportation, and transportation.

### Departmental Policies

In addition to the College’s graduation requirements, the Department has the following policies:
1. Mandatory academic advising of each student prior to each term;
2. Exit Interviews as a graduation requirement for all students; and
3. Only 2 "D" grades in engineering courses to be used to fulfill graduation requirements.

Four-Year Curriculum - Civil Engineering

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the 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)
*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:
USF C/C
CHM 2045 CHM 1045* (3)
CHM 2045L CHM 1045L* (1)
PHY 2048 PHY 2048 (3)
PHY 2048L PHY 2048L (1)
PHY 2049 PHY 2049 (3)
PHY 2049L PHY 2049L (1)
*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, as well as the qualitative standards required.

Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester I
ENC 1101 Composition I 3
MAC 2281 Engineering Calculus I 4
CHM 2045 General Chemistry I 3
CHM 2045L General Chemistry I Lab 1
EGN 3000 Foundations of Engineering 1
Social Science Elective 3
Total 15

Semester II
ENC 1102 Composition II 3
MAC 2282 Engineering Calculus II 4
CHM 2046 General Chemistry II 3
PHY 2048 General Physics I 3
PHY 2048L General Physics I Lab 1
EGR 1113 Introduction to Design Graphics 3
Total 17

Summer Semester
ALAMEA Perspective Elective 3
Historical Perspective Elective 3
EGN 3613C Engineering Economy I 3
Total 9

Semester III
PHY 2049 General Physics II 3
PHY 2049L General Physics II Lab 1
MAC 2283 Engineering Calculus III 4
EGN 3311 Statics 3
Historical Perspectives Elective 3
ENC 3211 Communication for Engineers 3
Total 17

Semester IV
MAP 2302 Differential Equations 3
EGN 3321 Dynamics 3
EGN 3343 Thermodynamics 3
EGN 3443 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 I 3
TTE 4004 Transportation Engineering I 3
EGN 4420 Numerical and Computer Tools 3
Total 16

Semester VI
CES 3102 Structures I 3
CWR 4204 Hydraulics 3
EGN 3373 Introduction to Electrical Systems I 3
CGN 3021L Civil Engineering Lab 2
GLY 3850 Geology for Engineers 3
Total 14

Semester VII
CEG 4011 Geotechnical Engineering I 3
CEG 4011L Geotechnical Engineering Lab 1
CES 4702 Concepts of Concrete Design 3
CE Concentration Requirement 3
Total 13

Semester VIII
CGN 4122 Professional/Ethical Issues in Engineering MW/MI 3
CE Concentration Requirement 3
CE Capstone Design Requirement MW/MI 3
Fine Arts Elective 3
Social Science Elective 3
Total 15

CIVIL ENGINEERING CONCENTRATION AND CAPSTONE DESIGN REQUIREMENTS

Environmental Engineering
ENV 4417 Water Quality and Treatment 3
Technical Elective 3
CWR 4103 Water Resources Engineering I 3
CWR 4812 Capstone Water Resources/Environmental Design 3
Mission Statement

In keeping with the mission of the College of Engineering, the Computer Science & Engineering Department strives 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. 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 has established the following goals for graduates of our program:

1. Our graduates will 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. Our graduates will be prepared to function ethically and responsibly as full participants in our profession and our society.
3. Our graduates will 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. Our computer engineering graduates will 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.
5. Using their knowledge of basic computing principles, our computer science graduates will have acquired a knowledge of major areas of application of these fundamentals.
6. Our information systems graduates will combine a thorough knowledge of basic business principles with the core principles of computing to achieve an understanding of applications at the convergence of these domains.

Three undergraduate degree programs are offered within Computer Science and Engineering. These programs 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 program emphasizes the application of engineering principles to the design of computer hardware and software. While all department programs provide coverage of both computer hardware and software, this program 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 program 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 program 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 program is on the application of computing.

Graduates from these programs follow fruitful careers developing either scientific or business application 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, software testing, robotics, database, networks, user interface, fault-tolerant computing and testing, computer graphics, image processing and computer vision, and simulation.

The schedules which follow indicate how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.
Four-Year Curriculum in Computer Science

In addition to the College's graduation requirements, the department has the policy of not accepting any D grade in department courses.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COP XXXX*</td>
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</tr>
<tr>
<td>MAC X311</td>
<td>4</td>
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<tr>
<td>MAC X312</td>
<td>4</td>
</tr>
<tr>
<td>PHY X048/X048L</td>
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<tr>
<td>PHY X049/X049L</td>
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</tr>
<tr>
<td>PHY X049C</td>
<td>4</td>
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</table>

*Introductory Programming in Ada, C, C++, or PASCAL or equivalent language.

Natural Sciences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX XXXX**</td>
<td>6</td>
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</tbody>
</table>

**Two (2) science courses for science majors.

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Department Admissions Requirements

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with an overall grade point average of 3.00 or higher in these courses.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Semester I</td>
<td>MAC 2281 Engineering Calculus I</td>
<td>4</td>
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<tr>
<td></td>
<td>ENC 1101 Composition I</td>
<td>3</td>
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<tr>
<td></td>
<td>EGN 3000 Foundations of Engineering</td>
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<tr>
<td></td>
<td>Social Science Elective</td>
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<tr>
<td>Semester II</td>
<td>MAC 2282 Engineering Calculus II</td>
<td>4</td>
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<tr>
<td></td>
<td>PHY 2048 General Physics I</td>
<td>3</td>
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<tr>
<td></td>
<td>PHY 2048L General Physics I Lab</td>
<td>1</td>
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<tr>
<td></td>
<td>ENC 1102 Composition II</td>
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<tr>
<td>Summer Semester</td>
<td>MAC 2283 Engineering Calculus III</td>
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<tr>
<td></td>
<td>PHY 2049 General Physics II</td>
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<table>
<thead>
<tr>
<th>Semester III</th>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CDA 3100 Computer Organization</td>
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<tr>
<td>COT 3100 Intro Discrete Structures</td>
<td>3</td>
<td></td>
</tr>
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<td>COP 3514 Program Design</td>
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</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.

<table>
<thead>
<tr>
<th>Semester IV</th>
<th>Course</th>
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<tbody>
<tr>
<td>EEL 4851 Data Structures</td>
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<tr>
<td>CDA 3201 Computer Logic Design</td>
<td>3</td>
<td></td>
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<tr>
<td>CDA 3201L Computer Logic Design Lab</td>
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<td></td>
</tr>
<tr>
<td>EGN 4450 Linear Systems</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>STA 4442 Intro to Probability</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>Semester V</td>
<td>Course</td>
<td>Credits</td>
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<tr>
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<tr>
<td>CDA 4205 Computer Architecture</td>
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<tr>
<td>COP 4600 Operating Systems</td>
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<td>Social Science Elective</td>
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<td>Total</td>
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<tr>
<td>Semester VI</td>
<td>Course</td>
<td>Credits</td>
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<tr>
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<tr>
<td>CS&amp;E Theory Elective</td>
<td>3</td>
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<td>CS&amp;E Software Elective</td>
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<tr>
<td>Semester VII</td>
<td>Course</td>
<td>Credits</td>
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<tr>
<td>ENC 3211 Communication for Engineers</td>
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<tr>
<td>CS&amp;E Elective</td>
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<tr>
<td>Semester VIII</td>
<td>Course</td>
<td>Credits</td>
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<td>CIS 4250 Ethical Issues (MW/MI)</td>
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<td>Humanities, Social Science or Fine Arts Elective</td>
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<tr>
<td>CS&amp;E Elective</td>
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Communications:

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<td>ENC 1101/1102 English I and II (6)</td>
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Humanities & Social Sciences:

<table>
<thead>
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<td>Social Science Courses (6)</td>
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Mathematics:

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<tr>
<td>MAC 2281 MAC 2311* (4)</td>
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<tr>
<td>MAC 2282 MAC 2312* (4)</td>
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</tr>
<tr>
<td>MAC 2283 MAC 2313* (4)</td>
<td></td>
</tr>
<tr>
<td>MAP 2302 MAP 2302 (3)</td>
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*or MAC 2281, MAC 2282, MAC 2283
### Natural Sciences:

<table>
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<tbody>
<tr>
<td>USF C/C</td>
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<tr>
<td>CHM 2045</td>
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<td>CHM 2045L</td>
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<tr>
<td>PHY 2048</td>
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<td>PHY 2049</td>
<td>3</td>
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<tr>
<td>PHY 2049L</td>
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*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

### Department Admissions Requirements

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with an overall grade point average of 3.00 or higher in these courses.

#### Semester I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MAC 2281 Engineering Calculus I</td>
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<tr>
<td>ENC 1101 Composition I</td>
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<td>EGN 3000 Foundations of Engineering</td>
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<tr>
<td>Social Science Elective</td>
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<td>Historical Perspectives Elect.</td>
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#### Semester II

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<td>PHY 2048 General Physics I</td>
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<td>PHY 2048L General Physics I Lab</td>
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<tr>
<td>CHM 2045 General Chemistry I</td>
<td>3</td>
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<td>CHM 2045L General Chemistry Lab</td>
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#### Summer Semester

<table>
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<tbody>
<tr>
<td>MAC 2283 Engineering Calculus III</td>
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<td>PHY 2049L General Physics II Lab</td>
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<td>COP 2510 Programming Concepts</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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#### Semester III

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>CDA 3100 Computer Organization</td>
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<tr>
<td>LOT 1010 Intro Discrete Structures</td>
<td>3</td>
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<tr>
<td>COP 3514 Program Design</td>
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<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>MAP 4302 Differential Equations</td>
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#### Semester IV

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>EEL 4851 Data Structures</td>
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<tr>
<td>CDA 3201 Computer Logic Design</td>
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<td>CDA 3201L Computer Logic Design Lab</td>
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<tr>
<td>EGN 3443 Engineering Statistics</td>
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<td>EGN 3373 Electrical Sys. I</td>
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<td>EGN 4450 Linear Systems</td>
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#### Semester V

<table>
<thead>
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<th>Course</th>
<th>Credit</th>
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<tr>
<td>CDA 4205 Computer Architecture</td>
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<td>EGN 3613 Engineering Economy</td>
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<td>ALAMEA Elective</td>
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<tr>
<td>EGN XXX Eng. Electronic Materials</td>
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<td>CS&amp;E Hardware Elective</td>
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#### Semester VI

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<th>Course</th>
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<tbody>
<tr>
<td>COP 4600 Operating Systems</td>
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<tr>
<td>CS&amp;E Theory Elective</td>
<td>3</td>
</tr>
<tr>
<td>CS&amp;E Hardware Elective</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

### Four-Year Curriculum in Information Systems

Courses indicated with XXXX had not yet been assigned a number when the catalog went to press. 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>COP XXXX*</td>
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</tr>
<tr>
<td>MAC X311</td>
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<tr>
<td>MAC X312</td>
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<tr>
<td>PHY X048/X048L</td>
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<tr>
<td>PHY X049/X049L</td>
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<td>PHY X049C</td>
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*Programming in Ada, C, C++, or PASCAL or equivalent language.

### Natural Sciences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX XXXX**</td>
<td>6</td>
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</tbody>
</table>

**Two (2) science courses for science majors.

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

### Department Admissions Requirements

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with an overall grade point average of 3.00 or higher in these courses.

#### Semester I

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>MAC 2281/2233 Calculus I</td>
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<td>ENC 1101 Composition I</td>
<td>3</td>
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<tr>
<td>AGC 2021 Principles of Accounting I</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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#### Semester II

<table>
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<tbody>
<tr>
<td>MAC 2282 Calculus II</td>
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<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L Principles of Accounting II Lab</td>
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<tr>
<td>MAP 4302 Differential Equations</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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#### Semester III

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>COP 4600 Operating Systems</td>
<td>3</td>
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<tr>
<td>CS&amp;E Theory Elective</td>
<td>3</td>
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<tr>
<td>CS&amp;E Hardware Elective</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
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</table>
### Mission Statement
The mission of the Electrical Engineering Department at the University of South Florida is to provide internationally recognized educational programs; to conduct and disseminate internationally recognized research benefiting humanity; to provide service to society; and to emphasize the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which engineering is practiced.

### Objectives
The Department objectives are to produce graduates:

1. with the knowledge and skills necessary to practice Electrical Engineering successfully.
2. who can pursue advanced topics through graduate or professional studies.

Students pursuing the Bachelor of Science in Electrical Engineering program take designated coursework in network analysis, electronics, communications, electromagnetic theory, control systems, microelectronics and microprocessors. This coursework is supplemented by electives in many specialized areas of electrical engineering.

Students completing this program normally pursue industrial careers in electronics, communications, power and controls, digital systems, microelectronics and information systems. The electrical graduate may apply his/her knowledge to such diverse areas as wireless and satellite communications, remote guidance, MEMS, sensing technology, systems integration, automation, computer and information systems, electronic power generation and transmission, electrically propelled transportation, etc. The graduate may do this by performing needed engineering functions related to research and development (often requires an advanced degree), design, production, operation, sales, or management of these products/services.

The schedule which follows indicates how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace. A minimum departmental GPA of 2.0 is required for graduation. In addition, students must pass all required BSEE courses, except humanities and social sciences, with a grade of "C" or better.

In addition to the College’s graduation requirements, the department has the following policies:

- **Prerequisites (State Mandated Common Prerequisites)**
  1. Mandatory academic advising of students for each term.
  2. Exit interviews as graduation requirements, and;
  3. Students must pass all required BSEE courses, except humanities and social sciences, with a grade of "C" or better.

### Four-Year Curriculum in Electrical Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

### Prerequisites (State Mandated Common Prerequisites)

- **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 Transferring with an A.A. degree:**

### Course Descriptions

#### Semester II
- **MAC 2282/2234** Calculus II 4
- **ENC 1102** Composition II 3
- **PHY 2048/2053** Physics I 3
- **PHY 2048L/2053L** Physics I Lab 1
- **COP 2510** Programming Concepts 3
- **Total** 14

#### Summer Semester
- **PHY 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 Elective** 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
- **CS&E Software Elective** 3
- **Total** 15

#### Semester V
- **COP 4600** Operating Systems 3
- **EGN 3613** Engineering Economy 3
- **EGN 4450** Linear Systems 2
- **ENC 3211** Communication for Engineers 3
- **CS&E Software Elective** 3
- **Total** 15

#### 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 Elective** 3
- **CS&E Theory Elective** 3
- **CS&E Software Elective** 3
- **Science Elective** 3
- **Total** 12

#### Semester VIII
- **CEN 4022** Software System Development 3
- **CIS 4250** Ethical Issues (MW/MI) 3
- **CS&E Elective** 6
- **Total** 12

### ELECTRICAL ENGINEERING

#### 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 2282**
- **MAC 2283**
- **MAP 2302**
- **MAC 2311** (4)
- **MAC 2312** (4)
- **MAC 2313** (4)
- **MAP 2302** MAP 2302 (3)
- **or MAC 2291, MAC 2282, MAC 2283**
Natural Sciences:  
USF  
CHM 2045  C/C  
CHM 2045L  CHM 1045* (3)  
PHY 2048  PHY 2048* (1)  
PHY 2048L  PHY 2048L (1)  
PHY 2049  PHY 2049 (3)  
PHY 2049L  PHY 2049L (1)  
*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Electrical Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester 1  
ENC 1101 Composition. I  3  
MAC 2281 Engineering Calculus I  4  
Social Science Elective  3  
Fine Arts Elective  3  
EGN 2082 History of Electrotechnology  3  
Total 16

Semester 2  
ENC 1102 Composition II  3  
MAC 2282 Engineering Calculus II  4  
PHY 2048 Physics I  3  
PHY 2048L Physics Lab I  1  
CHM 2045 Chemistry I  3  
CHM 2045L Chemistry Lab I  1  
EGN 3000 Foundations of Engineering  1  
Total 16

Semester 3  
MAC 2283 Engineering Calculus III  4  
PHY 2049 Physics II  3  
PHY 2049L Physics Lab II  1  
EGN 3443 Eng. Prob. and Statistics  3  
EGN 3613 Engineering Economy  3  
Total 14

Semester 4  
MAP 2302 Differential Equations  3  
EEL XXXX Engineering Analysis  3  
EGN 3373 Electrical Systems I  3  
EEL 2161 EE Computing Methods  3  
EEL XXXX Eng. Electronic Materials  3  
Total 15

Summer Term  
EGN 2031 History of Technology  3  
EEL 4022 Elec. Systems Environments  3  
ENC 3211 Comm. for Engineers  3  
Total 9

Semester 5  
EEL 3100 Network Analysis  3  
EEL 4705 Logic Design  3  
EEL 4705L Logic Lab  1  
EEL 3301L Lab I (Circuits)  1  
EEL 4472 Electromagnetics  3  
EEL 4351C Semiconductor Devices  3  
Total 14

Semester 6  
EEL 4102 Linear Systems Anal.  3  
EEL 3375 Indus. Mach. & Power Appl.  3  
EEL 4744 Microprocessors  3  
Total 14

Semester 7  
EEL 4906 Prof. Issues & Eng. Design (MW/MI)  3  
EEL 3302L EE Lab II (Electronics)  1  
EEL 4657 Linear Control Systems  3  
EEL XXXX Controls Lab  1  
EEL 4305 Electronics II  3  
EEL 4512C Communication Systems  3  
Total 14

Semester 8  
EEL XXXX EE Design Project  3  
Social Science Elective  3  
Tech Elective  3  
Tech Elective  3  
ALAMEA  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 practices of the field into the curriculum; to pursue excellence in basic and applied research in the field of Industrial and Management Systems Engineering; and to provide service to the profession and to society.

Objectives
The Department’s objectives are to
1. provide students with a thorough understanding of the concepts and practices of industrial and systems engineering and the related mathematical and scientific principles.
2. provide students with an understanding of the ethical, human, and business aspects of engineering activities.
3. provide students with the ability to think creatively, to communicate effectively, and to work in teams.
4. prepare and motivate students to have successful careers, to pursue graduate studies and other life-long learning opportunities, and to actively participate in society.

Students pursuing the Bachelor of Science in Industrial Engineering degree program take designated, specialized coursework in industrial processes, work analysis, production control, facilities design, operations research, human factors, computer simulation, quality control, and robotics and automation. This coursework is supplemented by engineering electives and comprehensive industrial engineering design projects.

Students completing this program are prepared for graduate study or for careers in a broad range of industries, business, and public service areas. The strength of industrial engineering lies, in part, in its breadth and the applicability of its common body of knowledge in a wide variety of enterprises. Students may be involved in traditional areas of manufacturing and production, or state-of-the-art functions in automation and robotics. The same engineering principles are also applied to business organizations, service delivery systems, i.e. airlines, banks, hospitals, etc. and governmental administration.

The schedule which follows indicates how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.

In addition to the College’s graduation requirement, the department has the following policies:
1. Mandatory academic advising of students for each term.
2. Exit interviews as a graduation requirement, and;
3. All graduating seniors must take the Fundamentals of Engineering Examination.
Four-Year Curriculum in
Industrial and Management Systems
Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

Communications:
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
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 I Lab 1
EGN 3000 Foundations of Engineering 1
ENC 1101 Composition I 3
MAC 2281 Engineering Calculus I 3
Social Science Elective 3
Total 14

Semester II
CHM 2042 Chemistry II 3
EGN 2031 History of Technology 3
ENC 1102 Composition II 3
MAC 2282 Engineering 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 Engineering 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 3613 Engineering Economics 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
ENC 3211 Communication for Engineers 3
Tech Elective 3
Total 15

• MECHANICAL ENGINEERING

Mission Statement
The Mission of the Mechanical Engineering Department is:
- to provide a quality undergraduate and graduate education for students entering the mechanical engineering profession or seeking careers in related fields;
- to advance scientific knowledge through basic and applied research;
- to disseminate technical information through scholarly publication, conferences and continuing education;
d. to advance the profession through service within the associated societies and;

e. to promote activities which serve global development.

Objectives

The Objectives of the Undergraduate Program in Mechanical Engineering are:

A. to teach students to understand and to apply concepts of basic science, mathematics, computation, and engineering science essential to professional practice;

B. to train students in the design of experiments and testing of systems, in proper instrumentation methods, in the techniques of modern data acquisition and in methods of data interpretation;

C. to develop skills essential to the design process, including problem formulation, synthesis, analysis, construction, testing and evaluation;

D. to develop skills necessary for effective professional interaction including multi-disciplinary collaboration and successful oral and written communication;

E. to encourage an understanding of technology within a global and societal context, the need for continued professional development, the importance of professional responsibility and the ethics of professional practice.

Students pursuing the Bachelor of Science in Mechanical Engineering program take coursework in thermodynamics and heat transfer, instrumentation and measurements, energy conversion systems, solid and fluid mechanics, dynamics, machine analysis and design, mechanical design, vibrations and controls. This is supplemented by elective coursework in such areas as power plant analysis, refrigeration and air conditioning, mechanical design, advanced mechanics, robotics, propulsion, computer-aided design, manufacturing, composite materials, and aerodynamics.

Students completing this program normally enter careers in a wide range of industries which either produce mechanical products or rely on machines, mechanical devices and systems to produce electricity, petroleum products, foods, textiles, building materials, etc. Mechanical Engineering graduates may follow careers in such fields as transportation, power generation, manufacturing, instrumentation, automatic control, machine design, construction, refrigeration, heating and air conditioning, aerospace, defense and all the process industries (foods, textiles, petrochemicals, pharmaceuticals, etc.). There are abundant career opportunities in a wide range of industries because mechanical equipment is required in every aspect of modern industry.

In addition to the College's graduation requirement, the department has the following policies:

1. Mandatory academic advising of students for each term, and;

2. Exit interviews as a graduation requirement.

Four-Year Curriculum in Mechanical Engineering

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at a 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

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester I
ENC 1101 Composition I 3
MAC 2281 Engineering Calculus I 4
CHM 2045 General Chemistry I 3
CHM 2045L General Chemistry Lab I 1
EGS 1113 Intro. to Design Graphics 3
EGN 3000 Foundations of Engineering 1
Total 15

Semester II
ENC 1102 Composition II 3
MAC 2282 Engineering Calculus II 4
PHY 2048 General Physics I 3
PHY 2048L General Physics I Lab 1
Fine Arts Elective 3
Total 14

Semester III
MAC 2283 Engineering Calculus III 4
PHY 2049 General Physics II 3
PHY 2049L General Physics II Lab 1
EGN 3311 Statics 3
Social Science Elective 3
Total 16

Semester IV
EML 3041L Computational Methods Lab 1
MAP 2302 Differential Equations 3
EGN 3321 Dynamics 3
EGN 3365 Materials Engineering I 3
EGN 3373 Electrical Systems I 3
Historical Perspectives Elective 3
Total 12

Summer Term
EGN 3443 Eng Statistics 3
EGN 3343 Thermodynamics I 3
EML 3500 Mechanics of Solids 3
EGN 2031 History of Technology 3
Total 12
### 1. GENERAL EDUCATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENC 3211 Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EML 3701 Fluid Systems</td>
<td>3</td>
</tr>
<tr>
<td>EML 3211 Communication for Engineers</td>
<td>3</td>
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<tr>
<td>EGN 4366 Materials Engineering II</td>
<td>3</td>
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#### Semester VI

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<td>EML 4501 Machine Design</td>
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<tr>
<td>EML 3303 Mechanical Engineering Lab I</td>
<td>3</td>
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<tr>
<td>EML 4142 Heat Transfer I</td>
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<tr>
<td>EML 4106 Thermal Syst.</td>
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<tr>
<td>EGN 3613 Engineering Economics</td>
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#### Semester VII

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<td>EML 4325 Mechanical Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>EML 4302 Mechanical Engineering Lab II</td>
<td>3</td>
</tr>
<tr>
<td>EML 4220 Vibrations</td>
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<tr>
<td>EML 4551 Capstone Design (MWMI Exit)</td>
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<td>ALAMEA Perspectives Elective</td>
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#### Semester VIII

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

### 4. CONTINUATION AND GRADUATION REQUIREMENTS

To meet graduation requirements all undergraduate students must maintain a minimum cumulative overall GPA of 2.00. In addition the College of Engineering also requires undergraduate students to maintain a minimum of 2.0 GPA in all engineering courses attempted, as well as 2.0 GPA in all courses attempted in their specialization. In no case will the minimum GPA for a category be less than 2.0. It is the student’s responsibility to make sure she/he meets all departmental requirements. In addition to the completion of the coursework and/or project requirements of the respective program of the College, students must be recommended for their degrees by the faculty of the College.

Students who do not maintain the required minimums of the program pursued in each category are ineligible for further registration in the College unless individually designed continuation programs are recommended by the student’s academic advisor and approved by the department undergraduate coordinator or the Director of Admissions & Advising and the Engineering Associate Dean for Academic Affairs or his designee. 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 D- or F) will be denied further enrollment in the College of Engineering unless written permission is obtained from the department chairperson and the College Associate Dean for Academic Affairs.

Students pursuing College of Engineering degree programs are expected to take their courses on a graded basis. Please refer to the grading system in the Academic Policies and Procedures section of this catalog. S/U grading option must be requested during the first week of classes. Courses taken on an S/U basis are not applicable to the College's degree programs. Exceptions require written approval of the department advisor prior to registration.

The College of Engineering requires that a student completes the baccalaureate degree within five years after beginning the Engineering specialization courses. Any exceptions require approval of the department and Dean’s Office.

Each engineering student is required to complete the Application for Graduation - Check List and submit it to the College of Engineering Advising Office by the drop date of the term prior to the semester in which graduation is sought. Completion of this form is a requirement for graduation.

Effective Fall of 2000 students pursuing Bachelor of Science in Chemical Engineering will be required to take the discipline oriented Fundamentals of Engineering exam. Effective Fall of 2001 students pursuing the Bachelor of Science in Industrial Engineering will be required to take the Fundamentals of Engineering exam. Engineering students in other disciplines are strongly encouraged to do the same. (See the College Office of Student Services for applications and information.)

### 5. TRANSFER CREDIT

The USF College of Engineering will accept transfer credit when appropriate if the transferred course has been passed with a grade of "C" or better. In some cases credit for a course
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 Record Examination.
3. Above-average performance in the chosen Engineering program.

Certificate Programs

CERTIFICATE IN BIOMEDICAL ENGINEERING

Biomedical Engineering is a highly interdisciplinary field where basic engineering principles are applied to problems in the biomedical sciences. Typical specific areas of interest include: understanding basic biochemical and physiological processes, designing and analyzing medical diagnostics and procedures, evaluation and design of health care systems and facilities, design and evaluation of prosthetic devices, an general biomedical product development. The College of Engineering offers an undergraduate Enhancement Certificate in Biomedical Engineering. There are two main purposes for the certificate program 1) to accommodate students interested in entering medical school following graduation (this program satisfies most of the typical minimal admission standards for medical school); and 2) to prepare students for graduate education program, drawing from all engineering disciplines, biology, physical sciences, biomedical and clinical sciences. Undergraduate students anticipating graduate studies in the bioengineering area (or related fields such as medicine) are strongly encouraged to gain research experience as part of their program. Research possibilities exist in Engineering, the Health Sciences Center, Public Health, and Arts and Sciences.

The Certificate in Biomedical Engineering provides students an opportunity to 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 Neuropsychology
(or approved substitute)

Engineering (9 hrs. min.****)
- ECH 5746 Intro to Biomedical Engineering
One or more of the following (to achieve 9 hrs. min. in area):
- EIN 4313L Human Factors
- EIN 5245 Work Physiology & Biomechanics
- ECH 5747 Selected Topics in Chemical Engineering
- ECH 5748 Selected Topics in Biomedical Engineering
- ECH 5747 Pharmaceutical Engineering
- ECH 5748 Directed Research in Bioengineering
(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 most 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 128 or 134 hour requirement. That is, these courses will not also qualify as engineering electives towards the B. S. requirements for any of the departmental degree programs.

CERTIFICATE OF TOTAL QUALITY MANAGEMENT

An undergraduate student, or graduate engineer, may enhance their professional achievement by receiving a Certificate in Total Quality Management. The student must satisfactorily complete five courses (15 credit-hours) of the eight courses in Total Quality Management. Enrollment is through the Department of Industrial and Management Systems Engineering.

CERTIFICATE OF ENHANCEMENT

The Certificate of Enhancement in (a designated engineering discipline) provides students an opportunity to gain an enhanced experience in their chosen field while pursuing an engineering degree and to permit them to receive recognition for the same requirements. At the present time, there are two certificates: Transportation Engineering and Wireless Engineering.

Requirements:
1. Enrolled in a Bachelor of Science degree program in a specified engineering discipline.
2. A minimum of 15 hours of additional elective courses, not included as a part of the B. S. degree, from an approved list. Courses must be taken on a letter-grade basis, and a minimum of 9 hours must be in engineering courses.
3. A G.P.A. of 2.0 or greater for the additional hours.
4. The student must receive the engineering degree to receive the Certificate of Enhancement.

Please contact the appropriate department chairperson to be accepted in the program.
Computer Service (SC) Courses

These courses 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, organization and programming of computers and computer systems from the viewpoint of examining the fundamental principles involved in computer usage; and (2) those courses which are concerned with computer applications to a variety of different disciplines, by means of user-oriented-languages such as FORTRAN, COBOL, BASIC, "C", JAVA, VISUAL BASIC and ADA.

Students in engineering, the physical sciences, and mathematics must consult their advisor for suitable computer courses, since these courses are not acceptable to a number of degree programs.

College Facilities

Each of the departments has several modern well-equipped laboratories that are used for undergraduate teaching. Some examples of specialized equipment available are a scanning electron microscope, a gas chromatograph mass spectrometer, a 250,000 lb. material testing machine, several microprocessor-based control systems, industrial robots, a low turbulence subsonic wind tunnel, computer numerical controlled machinery, metal organic chemical vapor deposition systems, and integrated circuits design workstations.

College Computing Facilities

The College provides access to centralized computing facilities to undergraduate and graduate students. Most engineering departments also provide students with local facilities. The University is an Internet2 site and links are available to directly connect to all major supercomputing centers in the country.

The College provides enterprise level servers for computing, mail, file, web and database services for students and faculty. The College operates teaching and open-access labs for student use. These labs are equipped with large number of modern (Dell) PCs using Windows 2000 operating system and Unix workstations (Sun Ultra 5). All lab computers have all of the necessary software required for coursework as well as other standard productivity software. The College also supports a state-of-the-art multimedia lab with document scanners and CD-ROM burner.

Standard programming languages such as FORTRAN, Basic, Pascal, C, C++ and Java are provided on these machines. General-purpose software such as Office 2000, MS visual studio and specialized engineering software including mathematical packages (MathCad, Matlab, Maple, Macsyma, TK Solver), statistical package (SAS), discipline specific application packages such as Abaqus, Ansys, ARENA, Aspen, Cadence and Labview are provided on Unix and Windows 2000 platforms on the network and in the labs. Several database management system software packages such as Oracle 8i, MySQL, MSSQL 8 and MS Access are available for classwork. Multimedia software packages such as MS FrontPage, Adobe Acrobat, Illustrator, Photoshop, Omni Page Pro, Paint Shop Pro, Macromedia Dreamweaver and Flash are available in the multi-media lab. The university has also entered an agreement with Microsoft Corporation for upgrade of standard office application, development tools and desktop operating systems. The college-wide Ethernet network is connected to the USF campus-wide Gigabit Ethernet backbone. Within the College connections are provided to laboratories via 100 Mbps Ethernet.

The university’s Internet2 connection links it to more than 150 major universities and research institutions in the nation. Dial-in access is available to students from a large USF modem bank as well as through broadband connection. The distance learning (FEEDS) studios provide computer demonstrations for remote classes through the network. Additionally, most departments operate discipline specific computing lab(s).

Cooperative Education Program

A wide variety of industries and government agencies have established cooperative programs for engineering students to provide them the opportunity to become familiar with the practical aspects of industrial operations and engineering careers. Students in the Career Resource Center’s Cooperative Education (Co-op) program alternate periods of paid employment in their major field with 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 courses are offered every semester. Students normally apply for participation in this program during their sophomore year and pursue actual Co-op employment during their sophomore and junior years. The senior year is generally pursued on a full-time study basis, since many specialization courses are not offered every semester. The students receive a Cooperative Education Certificate upon successful completion of a minimum of two work assignments.

Army & Air Force R.O.T.C.

For Engineering Students

The Engineering curriculum, coupled with involvement in the Army or Air Force R.O.T.C. program, requires a minimum of five (5) years to complete the degree requirements. Army and Air Force R.O.T.C. cadets must take 16 additional hours in either military science or aerospace studies. Additionally, Air Force-sponsored summer training camp is scheduled between the sophomore and junior year for Air Force cadets, and Army cadets attend an Army-sponsored summer training program between the junior and senior years.

ENGINEERING FACULTY

CHEMICAL ENGINEERING

Chair: B. Joseph; Professors: J.C. Busot, L.H. Garcia-Rubio, R. Gilbert, J.A. Llewellyn, C. A. Smith, A. K. Sunol; Associate Professors: V.R. Bhethanabotla, S.W. Campbell, W.E. Lee, III; Assistant Professor: J.T. Wolan; Instructor: C.J. Biver; Visiting Assistant Professor: M. VanAuker; Courtesy Faculty: R. Malone, N. Poor, M. Woodle.

CIVIL AND ENVIRONMENTAL ENGINEERING


COMPUTER SCIENCE AND ENGINEERING

ELECTRICAL ENGINEERING

INDUSTRIAL AND MANAGEMENT SYSTEMS

MECHANICAL ENGINEERING
COLLEGE OF MARINE SCIENCE

• MARINE SCIENCE (MSC)

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

The College of Marine Science (CMS) at the University of South Florida offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in Oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 28 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and facilities is available at the CMS web site (http://www.marine.usf.edu) and from the college upon request.

The college’s location on St. Petersburg’s Bayboro Campus allows immediate access to Tampa Bay and the Gulf of Mexico; Bayboro Harbor is home port to the R/V Bellows (71 ft.) and the R/V Suncoaster (110 ft.). These vessels are operated by the Florida Institute of Oceanography (FIO) for the entire State University System. One of the college’s principal buildings is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Fish and Wildlife Conservation Commission. A newly occupied research building is shared by CMS and FMRI and houses a remote-sensing, satellite data-acquisition center. The U.S. Geological Survey (USGS) center for Coastal Geology and Regional Studies, the office of the Tampa Bay National Estuary Program, FMRI, and the College of Marine Science are all located on the Bayboro Campus. Consequently, St. Petersburg is home to one of the largest concentrations of marine scientists in the southeastern United States; many of these scientists serve on advisory committees of CMS graduate students.

Marine Science Faculty

The College of Nursing is committed to the advancement of nursing and the promotion of health care through 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, ethical, and economic demands. Nurses address professional and community needs by assuming multiple collaborative and cooperative relationships and roles.

Nursing is a humanistic profession that enhances the quality of life by promoting health, preventing illness, supporting rehabilitation following illness, and providing care for persons at the end of life. All individuals are entitled to health care and the right to participate in making health care decisions.

Nursing is a continually evolving discipline with a unique body of knowledge. Nursing knowledge is advanced through the application of critical thinking, the development and testing of theories, and the conduct and utilization of nursing research.

Intellectual growth and professional autonomy are fostered through the continuum of educational programs in nursing. The Baccalaureate Program prepares students to enter professional practice and provides a foundation for graduate education. The Master’s Program prepares students for advanced specialty practice, nursing education, and leadership. 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 programs in nursing. For further information about programs, scholarships, financial aid, faculty, and courses, consult the College of Nursing website at http://www.hsc.usf.edu/nursing.

The program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway, New York, NY 10006, (212) 363-5555 ext. 153, the Commission on Collegiate Nursing Education, One Dupont Circle, NW Suite 530, Washington, DC, 20036, (202) 887-6791, and approved by the Florida State Board of Nursing. Graduates of the basic sequence are eligible to write the qualifying examination for licensure as a registered nurse. Graduates may apply for licensure in Florida or other states and successful undergraduates have the educational background necessary for graduate study in nursing.

**Undergraduate Admission to the College of Nursing**

The College of Nursing encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. The College of Nursing uses selective criteria for the admission of students. Limitations on enrollments are determined on the basis of availability of sufficient qualified faculty, laboratory and classroom facilities, and clinical teaching resources.

There are two sequences 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 those Liberal Arts courses required for admission to the major (for non-licensed baccalaureate students only, completion by application deadline is advised). (See “Program of Study” below.)
4. The non-licensed program admission is highly selective.
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 not more than two (2) repeated courses and not more than one (1) repeat of any given course
7. Complete the College Level Academic Skills Test (CLAST) or equivalent and the writing and computation course requirements of 6A-10.30 (Gordon Rule).
8. Provide evidence of health insurance prior to enrollment.
9. Complete, prior to enrollment, the College of Nursing health screening.
10. Provide evidence of current licensure in Florida if enrolling in the program as a registered nurse.

**Nursing Advising**

The College of Nursing Office of Student Affairs offers a comprehensive service for all College of Nursing degree programs and advice to non-majors who are interested in being admitted. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.
The 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 can be admitted to 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 X010 Introduction to Sociology or any Introduction to Sociology course, 3 semester hours**

**Liberal Arts Requirements**

The College of Nursing requires certain courses within the Liberal Arts requirements for the natural, social and behavioral sciences, and mathematics. Students must complete 60 semester hours of college-level work. Credit received on the basis of CLEP or Advanced Placement placement 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** - 9 semester hours (includes subject area and 6 semester hours)
- **Math** - 6 semester hours (includes Gordon Rule course and 3 semester hours)
- **Algebra or Finite Math** - 6 semester hours (requires CLEP)
- **Statistics** - 3 semester hours
- **Fine Arts** - 3 semester hours
- **Natural Science** - 17-19 semester hours
- **Chemistry** - 4 semester hours
- **Nutrition** - 3 semester hours
- **Microbiology** - 4 semester hours
- **Anatomy/Physiology** - 6-8 semester hours
- **Social Sciences** - 9 semester hours
- **Life Cycle** - 3 semester hours
- **Psychology** - 3 semester hours
- **Sociology** - 3 semester hours
- **Historical Perspectives** - 6 semester hours
- **African, Latin American, Middle Eastern, Asian Perspectives** - 3 semester hours

3. Students with a Florida community college A.A. degree (other than in nursing) will be considered to have met all of the USF Liberal Arts requirements but also must meet specific college requirements (below).

4. Students must also meet the University requirement for foreign language.

**Preliminary Coursework for Nursing Students**

The student must:

1. Earn a grade of "C" or better in each state mandated common prerequisite course.
2. Repeat no course more than once.
3. Repeat no more than two (2) courses.

Courses taken at another institution will be evaluated individually on the basis of content. Students in Florida community colleges can obtain information about equivalent courses from their counselors or by contacting the College of Nursing Office of Student Affairs (813-974-9305).

1. Mathematics/Quantitative Methods: completion of at least one course in mathematics that meets the Gordon Rule requirement and one course in statistics.

**Mathematics** - one Gordon Rule course must be completed.

- **College Algebra** or Finite Math preferred. CLEP subject exams are acceptable.

**Statistics** - one course in statistics must be completed with a grade of "C" or better. STA 2122 or any STA course

2. Natural Sciences: minimum of 16 semester credits (including anatomy, physiology, and microbiology). Each course (in "a" through "d" below) taken toward meeting the natural sciences requirement must have been completed with a grade of "C" or better. At least one course must include a laboratory or have a corequisite laboratory course.

a) **Chemistry** - 4 semester credits. Courses should include content in 1) principles of chemistry, 2) structure of matter, 3) atomic and molecular structure, 4) states of matter, 5) chemical formulas and nomenclature, 6) solutions, 7) chemical kinetics and equilibrium, 8) theory and practice of quantitative analysis, 9) organic chemistry. CHM 2030 (4 credits) or CHM 2045, 2045L can be met with CLEP. "Chemistry sequence for non-science majors.

b) **Microbiology** - one course. MCB 3030C. The Regents examination in microbiology is acceptable for registered nurse students only.

c) **Anatomy and Physiology** - 6 semester hours. The Regents examination in anatomy and physiology is acceptable for registered nurse students only.

d) **Nutrition** - one course. HUN 2201. College of Nursing challenge examination or University of Florida correspondence course is acceptable.

3. **Social Sciences**: Each course taken toward meeting this requirement must have been completed with a "C" or better.

**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 GEY 3000. Must be completed with a "C" or better.

Students who enroll at USF in the lower division must meet the requirements for admission to the University and are advised by Academic Support and Achievement. These students may also wish to meet with a College of Nursing advisor. These students must also submit an application for admission to the College of Nursing for the upper division major.

Applicants for the major (the non-licensed sequence or the RN sequence) must submit applications to both the University and the College of Nursing by the appropriate deadline dates and complete the University’s Liberal Arts requirements and College of Nursing prerequisites/support courses. These can be completed on the Tampa campus by enrolling in the lower division, or at any community college, university, or college that offers equivalent courses prior to transfer to USF (see “Program of Study” information below).

• NURSING PROGRAM (NON-LICENSED)

The non-licensed sequence is designed so that students who have completed the prerequisite/support courses can enroll in the nursing major and complete requirements for the degree in five semesters full-time study on the Tampa campus.

Non-licensed students are admitted in the Fall and Spring semesters. The deadline for application to the College is January 15 and May 1 respectively. The grade point average for admission is calculated using grades in all undergraduate courses taken including repeats. Priority will be given to individuals who have completed all prerequisites by the application deadline.

NURSING COURSES - NON-LICENSED BACCALAUREATE SEQUENCE

Non-licensed Baccalaureate students meet the following courses in the five semester sequence:

Semester I
NUR 3064C Physical Examination & Assessment 3
NUR 3076 Fundamentals of Communication & Psycho-Social Nursing 2
NUR 3114C Fundamentals of Nursing Practice 4
NUR 3125 Pathophysiology for Nursing Practice 3

Semester II
NUR 3145 Pharmacology in Nursing Practice 3
NUR 3215 Medical-Surgical Nursing I 3
NUR 3215L Medical-Surgical Nursing Clinical I 3
NUR 3525 Psychiatric/Mental Health Nursing 3
NUR 3525L Psychiatric/Mental Health Nursing Clinical 3

Semester III
NUR 4216 Medical-Surgical Nursing II 4
NUR 4216L Medical-Surgical Nursing II Clinical 5
NUR 4165N Nursing Inquiry 3

Semester IV
NUR 4355 Child & Adolescent Health Nursing 3
NUR 4421 Women’s Health Nursing 2
NUR 4636 Community/Public Health: Population Focus Nursing 3
NUR 4635L Integrated Nursing Clinical: Community/Public Health, Children & Adolescent, and Women’s Health 7

Semester V
NUR 4838 Leadership and Management in Professional Nursing Practice 3
NUR 4948L Preceptorship 5
NUR 3829 Ethical Legal Aspects of Nursing/Health Care 3

Students in the nursing major are required to complete upper level liberal arts exit credits. Planning with an advisor is recommended to ensure that all university graduation requirements are met.

• 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 (974-9305) or visit the College of Nursing web site at http://www.hsc.usf.edu/nursing.

NURSING COURSES - REGISTERED NURSE SEQUENCE

Registered nurse students are required to take the following courses:

NUR 3806 Educational Transitions for RN 3
NUR 3064C Physical Examination & Assessment 3
NUR 3125 Pathophysiology for Nursing Practice 3
NUR 3145 Pharmacology in Nursing Practice 3
NUR 4636 Community/Public Health: Population Focus Nursing 3
NUR 4636L Community/Public Health Nursing Clinical for the RN 3
NUR 4838 Leadership and Management in Professional Nursing Practice 3
NUR 3829 Ethical Legal Aspects Nursing/Health Care 3
NUR 4165N Nursing Inquiry 3
NUR 4165N Nursing Elective 3

In addition to the requirements listed, the RN student must also meet all university graduation requirements as listed in the catalog.

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 selected courses while completing the prerequisite requirements. An academic advisor will assist students with selecting the appropriate 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: Registered nurses who are graduates of diploma programs may receive up to 26 semester general elective lower level credits through successful completion of the Excelsior (formerly Regents) examinations in nursing. These credits do not apply toward meeting the University requirement of 40 upper level credits, or toward meeting the requirements of the upper level nursing major. The credits earned by passing the Excelsior examinations in nursing apply only to the B.S. degree with a major in nursing offered by the College of Nursing.

Registered nurses who are graduates of Florida associate degree programs will receive up to 26 semester upper level credits for their previous nursing education. Registered nurse students should contact the Office of Student Affairs for 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 Excelsior examination in anatomy and physiology, and up to 3 credits in microbiology through successful completion of the Excelsior examination in microbiology. Regents examination information may be obtained from the Office of Student Affairs, College of Nursing.

**Degree Requirements**

Students will be certified for the Bachelor of Science degree with a major in nursing upon completion of 124 semester hours composed of Liberal Arts requirements, science support courses (natural, social/behavioral), required nursing courses, and upper level electives or exit requirements.

A minimum grade of “C” or better must be attained in each course in the major and cumulative grade point ratio of 2.0 or better must be maintained throughout the program. At least 40 semester hours must be upper level work (courses numbered 3000 or above).

**ASN/MS Program**

Registered nurses with an ASN degree have the option of selecting the ASN to MS degree program. Support/prerequisite courses are the same as for the ASN to BS option. Admission is through the undergraduate program. Planning with 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**

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 31 public health colleges in the nation and is fully accredited by the Council on Education for Public Health.

Undergraduate students who are seeking a career in public health can select to major in a broad range of Bachelor degree programs including engineering, business, social sciences, biological sciences, nursing, social work, pre-medicine, other allied health specialties or interdisciplinary degrees in order to be prepared for graduate work in the College. Pre-medical students seeking admission to medical school may want to consider completing a Master's degree in public health prior to application or admission to medical schools or as an alternative to clinical degrees. Undergraduate students may consider the College Accelerated Entry Program for Master's degree in Public Health Education which bypasses the Bachelor's for the Master's degree.

A new Fast Track for Honor ISS and INS students is available. Students in this track may select programs within one of the College's four Departments: Community and Family Health, or Epidemiology and Biostatistics, or Environmental and Occupational Health, or Health Policy and Management.

The course of study and field experiences are designed to prepare health professionals with skills to develop, implement, manage and evaluate programs which focus on health, behavioral, legal, medical and economic factors. Interdisciplinary areas include the mapping and control of infectious and chronic diseases, environmental factors that effect populations, and the methods of providing care to targeted populations including those faced with geographic, financial, cultural and other access barriers. Public health is also concerned with finding cost-effective ways to keep health care costs down while assuring quality. Career opportunities are available in a variety of work settings including hospitals and ambulatory care facilities, managed care organizations, voluntary health agencies, public and private school systems, colleges and universities, local, federal and state health agencies, private industry and international health organizations.

Undergraduate students seeking careers in public health should refer to the College website: publichealth.usf.edu, contact the College advisor through the Internet: advisor@hsc.usf.edu to request the College of Public Health Career Guide. Review the broad range of professions and plan an undergraduate program that will meet the College's admission requirements for graduate work. Learning opportunities are provided through advanced methods and technology. College courses are offered through traditional classroom methods, distance learning via satellite, internet, television, executive education 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 for several concentrations prior to graduate study in public health. The College also offers undergraduate Selected Topics and Special Topics courses which target current issues in public health.

HSC 2933 Selected Topics in Public Health undergraduate courses include:
- Sex, Health, and Decision Making, offered each semester. This course provides the student with an overview of the issues involving sexual behaviors, 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 which explores water quality, supply and the management and regulatory options for their control.
  - Stress, Health and College Life which addresses the relationship between stress, as a multi-causal concept, health and disease and the recognition and prevention of an unhealthy level of stress.
  - Medical Technology whose purpose is to familiarize the basic principles and vocabulary of medical terminology.

Master's degrees include the Master of Public Health (MPH), a professional, non-thesis degree, the Master of Health Administration (MHA), the Master of Science of Public Health (MSPH), a research thesis degree, as well as the doctoral (PhD) degree.

**Undergraduate Accelerated Entry Program for Master’s Degree in Public Health Education**

The Department of Community and Family Health offers an accelerated entry program that enables qualified undergraduate students to enter the Master of Public Health (MPH) degree program with a concentration in Public Health Education following the completion of 90 semester hours of undergraduate study (usually the end of the junior year). It is recommended that students enroll in undergraduate programs related to the field of public health as noted above. The program emphasizes a multidisciplinary approach of developing strategies for the efficient utilization of health services, the adoption of self-care practices, and the promotion of healthier lifestyles. Full-time students are able to complete Master’s degree requirements in 2 to 2-1/2 years. Interested individuals are encouraged to contact a health education faculty advisor during the term in which they expect to complete 60 undergraduate semester hours.

Students seeking admission to the MPH accelerated degree program must have completed 90 undergraduate semester hours, achieved at least a 3.0 GPA or a combined verbal and quantitative score of at least 1000 on the GRE, and satisfied the CLAST and Gordon Rule 6A-10.30 requirements. Students interested in this program or other public health graduate fields should contact the Office of Student Services at the College of Public Health for a career guide and college catalog, (813) 974-6665 or e-mail advisor@hsc.usf.edu and refer to the College Website at publichealth.usf.edu.

**Fast Track for Honors ISS and INS Students**

Undergraduate students in Honors Interdisciplinary Social and Natural Sciences programs will be eligible to apply for admission to selected graduate degree programs in public health during their senior year. This fast track format will allow eligible seniors to complete up to 20 graduate credits in public health which will count toward the Bachelor's degree as well as a Master of Public Health (MPH) or Master of Science in Public Health (MSPH). These graduate degrees vary from 39-44 credits (excluding field experience).
Application for the Honors ISS and INS Students

Application deadline for these programs is July 1 for guaranteed consideration. Applications will be accepted during the junior year. A minimum score of 1000 on the combined Q and V of the GRE, good standing in Honors program, senior status, and 2 letters of recommendation from undergraduate faculty are required. For further information, request the Fast Track for Honor Students brochure by e-mail from advisor@hsc.usf.edu.

Certificate Programs

Students who have completed their bachelor's degree may register for certificates in Disaster Management, Health Management and Leadership, Infection Control, Social Marketing, Safety Management, Violence and Injury: Prevention and Intervention. Contact Educational Outreach for applications forms, (813) 974-2442.

Public Health Advising

Potential applicants should prepare at the undergraduate level for careers in public health. Undergraduate public health courses present a broad range of public health issues and are offered on campus and by Internet. These undergraduate courses can be selected as part of the student's approved planned program or as electives to prepare students for graduate classes. Except for the undergraduate student selecting the Accelerated Health Education program or the Fast Track for Honor ISS and INS program, all applicants should have completed or be in their last semester of completing the Bachelor's degree prior to applying to this College. All departments accept the MCAT score in lieu of the GRE for admission. The GMAT may be submitted for the Department of Health Policy and Management. Advisors in the College assist undergraduate students with career planning and selecting undergraduate coursework. For specific information, request a College of Public Health Catalog and Career Guide followed by an appointment with the College advisor.

Advising Office: The College of Public Health is located facing Bruce B. Downs Boulevard at the Northwest corner of the USF Campus near the Fletcher Avenue intersection. Advising office is in the College of Public Health (CPH) Room 1011.

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Call toll free 1-888-USF-COPH or locally (813) 974-6665 for the Public Health Career Guide, a copy of the upcoming Schedule of Classes which can also be found on the web at: publichealth.usf.edu/schedule

Non-Degree Registration: Students who have completed the Bachelor's degree may register for up to 12 hours as "non-degree" students while in the process of preparing to apply to the College. Consult with the College's Director of Student Services, (813) 974-6665 for options, course selection and enrollment process.

Address: 13201 Bruce B. Down Blvd, Tampa, FL 33612-3805; Mailpoint MDC 56

Office Hours: 8am–5pm, Monday through Friday. Walk-ins are welcome but an appointment is recommended.

Email: advisor@hsc.usf.edu

Web Address: publichealth.usf.edu
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, Air Force ROTC Program, Army ROTC Program, and Navy 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.

Evaluation and Testing
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 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 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 (AP) 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).

Bachelor of Science in Information Technology

The Mission of the Information Technology Program is to provide high quality educational opportunities for students interested in pursuing careers in the broad range of fields that support our computer/information-based society and economy. Additionally 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 Information Technology is practiced. The program is offered through the Lakeland Campus.

Specifically the program aspires to:

1. To lead to the advancement of Information Technology through nationally recognized education at the undergraduate level, as well as technology transfer to regional industries and businesses;
2. To 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 and practices into the curriculum;
4. To emphasize the development of problem solving and communication skills as an integral component of the educational process and the later practice of the discipline;
5. To provide quality learning experiences through highly interactive techniques of course delivery that will include the use of electronic support equipment as well as newly developing distance learning technologies.

Objectives
The Information Technology program graduates will:

1. Have the requisite education and skills to be immediately employable as professionals in our computer/information-based society;

2. Be prepared to enter into graduate studies in a number of related graduate programs;

3. Be ethical and responsible members of their profession and society as a whole;

4. Be well founded in the variety of sub-disciplines that comprise Information Technology which include basic principles of computation, mathematics, science and engineering.

The Information Technology (IT) program is designed to bridge the gap between computer science and management information systems. The emphasis of the program is on knowledge-based computer and information technology, traditional computer science concepts, as well as more practical topics including programming, applications, and networking, systems administration and the management of a variety of computing environments (in an era of rapidly changing technology). IT students will take coursework in computer organization, human-computer interface, data structures, operating systems, networking, databases, and software engineering. Electives can include such application areas as: advanced database, advanced networking, web page design and administration, and e-commerce as well as a variety of other related areas. Through a broad based set of electives, IT students will be able to tailor their program to satisfy individual preferences and strengths.

Students completing the IT program will qualify for a broad range of positions in computer-intensive businesses and industries such as: programmer analyst, systems analyst, database administrator, network administrator, computer resource manager, systems development manager, and information technology management, to name a few.

In addition to the University's graduation requirements, the program has the following policies:

1. Mandatory academic advising of each student each term,
2. Exit interviews as a graduation requirement for all students, and
3. Only grades of C and above in IT courses can be used to fulfill graduation requirements.

Four-Year Curriculum in Information Technology

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.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>I</td>
<td>CGS 2100 Computers in Bus.</td>
<td>3</td>
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<tr>
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<td>ENC 1101 Composition I</td>
<td>3</td>
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<td></td>
<td>MAC 1147 Coll. Alg. and Trig.</td>
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<td></td>
<td>Gen. Ed.</td>
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<tr>
<td>II</td>
<td>COP 2510 Prog. Concepts</td>
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<tr>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3</td>
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<tr>
<td></td>
<td>MAD 3100 Discrete Math</td>
<td>3</td>
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<tr>
<td></td>
<td>ECO 2013 Econ. Prin. (Macro)</td>
<td>3</td>
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<tr>
<td></td>
<td>PSY 2012 Intro. Contemp. Psych.</td>
<td>3</td>
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<tr>
<td>IV</td>
<td>STA 2023 Intro. Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2020 Conceptual Physics</td>
<td>3</td>
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<tr>
<td></td>
<td>Fine Arts</td>
<td>3</td>
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<td></td>
<td>Electives</td>
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<td>Total</td>
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<tr>
<td>V</td>
<td>COP XXXX IT Prog. Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CDA XXXX IT Comp. Org.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3211 Communication for Egrs.</td>
<td>3</td>
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<td></td>
<td>INR 3033 Intl. Issues</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CEN XXXX IT Human-Comp. Interface</td>
<td>3</td>
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<tr>
<td></td>
<td>Total</td>
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</tr>
<tr>
<td>VI</td>
<td>CIS XXXX IT Data Stucts. and Algor.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COP XXXX IT Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 4260 Adv. Tech Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>IT Appr. Electives</td>
<td>6</td>
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<td></td>
<td>Total</td>
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<tr>
<td>VII</td>
<td>CIS XXXX IT Database Sys.</td>
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<td>CEN XXXX IT Software Eng.</td>
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<td>CEN XXXX IT Networks</td>
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<td></td>
<td>Total</td>
<td>15</td>
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</tbody>
</table>

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required. The schedule that follows indicates how a diligent student, who can devote full time to coursework, can satisfy requirements in four academic years. Students without a solid foundation, or those who cannot devote full time to academics, should plan for a slower pace. Courses indicated with XXXX had not yet been assigned a number when the catalog went to print.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

**Course Examples:**
- SY XXXX Psychology course (3)
- STA 2023 Intro to Statistics (3)
- ECO 2013 Macroeconomics (3)
- CGS XXXX Database course (3)
- COP 2XXX Programming course (e.g., Pascal, C, Java) (3)
- COP 2XXX Object-Oriented programming course (e.g., C++) (3)
- MAC XXXX Pre-Calculus (3)
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Army ROTC training provides scholarships, pay, free uniform and textbooks. Scholarships are awarded on a competitive basis in all academic majors. The scholarship pays full tuition, books, lab and mandatory fees, and certain other academic expenses. All Advanced Course and scholarship students receive a monthly subsistence payment that ranges from $250.00 as a freshman to $350.00 as a senior. This is in addition to the pay of approximately $700.00 while attending the five-week field training course at the National Advanced Leadership Training Course at Fort Lewis, Washington.

Additional skills training: Airborne School, Air Assault School, and the Northern Warfare School are available to both Basic and Advanced Course students during semester breaks. Additional skills training is also available during the academic year to include first aid, rappelling, orienteering, etc.

Basic Course: The Basic Course consists of four semesters of classroom instruction of one hour each week and a leadership lab. Students incur no military commitment by participating in the Basic Course. In lieu of attending the basic course instruction, a student may attend the four-week Leadership Training Course at Fort Knox, Kentucky during the summer of the student’s sophomore year.

Advanced Course: The Advanced Course consists of four semesters of classroom instruction of three hours each week, leadership lab, physical fitness and field training exercises, and a five-week training phase at National Advanced Leadership Course. The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Active Army, Reserve or National Guard. Additional follow-on training is available to selected cadets at both US based and overseas active Army units.

Job Opportunities: The newly commissioned officer can be guaranteed Reserve or National Guard duty, or compete for an Active Duty commission. Prior to commissioning the student may request to serve in a number of career fields to include aviation, engineering, medical, law, law enforcement, logistics, and personnel administration.

Requirements for an ROTC Commission: Students who desire to earn a commission as a Second Lieutenant in the United States Army must meet the following requirements: four semesters of the ROTC Advanced Course, successful completion of the Professional Military Education Courses (written communication skills, computer literacy, and military history), attendance at National Advanced Leadership Course, maintain and graduate with a minimum of a 2.0 GPA, successful completion of the Army Physical Readiness Test, compliance with the Army height and weight standards, and other requirements of the United States Army.

Minor in Military Science

The minor in Military Science entails a 18-hour program organized and coordinated through the Department of Military Science. A minimum of 14 of the 18 hours must be earned at USF and the student must maintain a 2.0 GPA in the minor. A minimum grade of “C” or better must be maintained in each course. “S” grades will not be accepted. This program is designed to provide the student with an in-depth understanding of Army leadership doctrine and the fundamental principles by which Army leaders act to accomplish their mission. This minor lays out a leadership framework that allows students to apply leadership concepts learned in the classroom. Additional emphasis is placed on character development, oral and written communication, physical and mental fitness, and military small unit operations.

Required courses: (Total of 14 Credit Hours)

- MIS 3302 Small Unit Operations (3)
- MIS 3404 Small Unit Leadership (3)
- MIS 4410 Army as a Profession (3)
- MIS 4421 Seminar in Military Leadership and Management (3)
- MIS 2600* Army Physical Readiness (1)

*repeated for two semesters; may be repeated up to four semesters, however only two credits will count toward minor
Other specifications: combination of 4 credit hours from any of the military elective courses below:

- MIS 100C Fundamental Military Concepts and Leadership (2)
- MIS 1400C Fundamentals of Leadership Development (2)
- MIS 2601C Military Tactics and Leadership (2)
- MIS 2610C Advanced Military Leadership (2)
- MIS 3630 – Basic Leader Year Course (4)
- MIS 4930 Advance Directed Study and Research (1-3)
- AFR 1101 The Air Force Today: Organization and Doctrine (1)
- AFR 1120 The Air Force Today: Structure and Roles (1)
- AFR 2130 U.S. Air Power: Ascension to Prominence (1)
- AFR 2144 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)

Military Science Faculty

Professor: Lieutenant Colonel Joseph M.J. Kools; Assistant Professors: Colonel Richard Lexvold, Major Lawrence Braue, Captain Samuel Ochs; Instructors: Master Sergeant Joseph Gramigna, Sergeant First Class Arthur Greene, Sergeant Leon Porter.

Naval Science

Navy ROTC

Location/Phone: BEH 301
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.ugs.usf.edu/nrotc/nrotc.htm
Email Address: navyrotc@admin.usf.edu

The Naval Science Program at the University of South Florida is administered by the Naval Reserve Officers Training Corps (NROTC) Unit. This program affords selected men and women the opportunity to receive instruction in Navy specified courses, in conjunction with the baccalaureate degree, which will qualify them for a commission in the United States Navy or Marine Corps. Students enrolled in the university who are physically and mentally qualified are eligible to apply for the NROTC program. As naval officers, USF NROTC graduates become eligible for varied careers, serving in aviation squadrons, on surface ships, on submarines in the nuclear power programs, at naval installations all over the world, or in the numerous sub-specialties as an officer of the Marines Corps. With the consent of the professor of naval science, any student, although not enrolled in the NROTC program, is eligible for enrollment in naval science courses. The USF NROTC Unit offers participation through four programs: (1) the Navy-Marine Corps Scholarship Program, (2) the Navy-Marine Corps College Program, (3) the Two-Year NROTC College Program, and (4) the Two-Year NROTC Scholarship Program.

The Navy-Marine Four-Year Scholarship Program—The NROTC Scholarship Program is open to young men and women of all races, creed, and national origin who are United States citizens. Students are selected on their own merit to become officers in the United States Navy and Marine Corps. Scholarship students are appointed Midshipmen, U.S. Navy Reserve. The Navy pays for tuition, fees, textbooks, uniforms, and a monthly subsistence allowance of $150.00 for four years. Scholarship students are normally selected through national competition during their senior year in high school. Each year, ten professor of naval science scholarships are available through a competitive selection process to Black and Hispanic students with academic potential who have yet to demonstrate their performance in a college environment or who have completed at least one, but not more than two semesters of course work at the university with a cumulative GPA of 3.0 or better and with no grade below “C”. Although it is not a requirement, a student in the NROTC Scholarship Program is encouraged to pursue a major in engineering, mathematics, chemistry, or physics to meet the technological requirements of the Navy. Other fields of study for a major leading to a baccalaureate degree are permitted, with the approval of the professor of naval science. Regardless of the major, every scholarship student must complete one year of physics and one year of calculus.

Students must include certain Navy specified courses in their program and complete a program of courses as prescribed by the professor of naval science. Upon graduation, and successful completion of the naval science curriculum, the midshipman will receive a reserve commission as Ensign in the U.S. Naval Reserve or Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of four years.

The Navy-Marine Corps College Program—The NROTC College Program is designed to train and educate well-qualified young men and women for commissioning. Selected students are appointed as midshipmen in the Naval Reserve prior to commencement of the academic year. Applicants must be submitted during the sophomore year by the first of March to permit processing, personal interviews, and a physical examination. A college program midshipman only acquires a military service obligation after entering the advanced courses at the beginning of the junior year.

Although there are no restrictions on the major college program students may pursue, it is highly recommended that they pursue a course of study similar to that of scholarship students. Students must also include in their program certain Navy specified courses and a program of courses in naval science. Students, upon graduation and successful completion of the naval science curriculum, receive a Reserve commission as an Ensign in the U.S. Naval Reserve or a Second Lieutenant in the U.S. Marine Corps Reserve and serve on active duty for a minimum of three years.

Two-Year NROTC College Program (Non-Scholarship)—The USF NROTC offers a two-year non-scholarship program which is designed specifically for students commencing their third year of college, who were not enrolled in the NROTC program during their freshman and sophomore years. Applications must be submitted during the sophomore year by the first of March to permit processing, personal interviews, and a physical examination. Qualifications for acceptance to this program include demonstrated ability to complete college level science and math courses. Upon acceptance into this program, the student attends a six-week intensive course at the Naval Science Institute in Newport, Rhode Island, in the summer prior to commencing the junior year of study. Students in a five-year engineering curriculum may attend the institution between their third and fourth years. The six-week summer course qualifies the student for enrollment in the NROTC program at the junior level. During the student’s attendance at the Naval Science Institute, the Navy provides room and board, books, uniforms, and transportation from home and return, as well as pays the student approximately $365.00 month. Upon successful completion of the course, the Navy pays for uniforms, naval science textbooks, and $150.00 subsistence allowance.

Two-Year NROTC Scholarship Program—The two-year scholarship program is administered in the same manner as the two-year non-scholarship program, except that a student who has excelled in a math, physical science, or engineering major and who has demonstrated above average performance in integral calculus may be selected for a two-year full tuition scholarship, to be awarded upon successful completion of the six-week period of training at the Naval Science Institute. In addition to the
**Summer Training**—The NROTC Scholarship Program student is required to complete training of approximately four weeks during each of the three summer recesses. The second summer training will be performed aboard operational ships of the U.S. Fleet. During the first summer period, each scholarship student will receive instruction in aviation training, marine combat training, surface warfare indoctrination, and submarine indoctrination either in Norfolk, Virginia or San Diego, California. During the third summer, candidates for U.S. Navy commissions will perform training aboard operational ships as junior officer. The student who qualifies for nuclear propulsion training may elect to cruise on nuclear powered ships or submarines. Some midshipmen cruise with allied navies through the Midshipman Foreign Exchange Program. Transportation costs to and from the training sites, subsistence, quarters, and pay of approximately $365 per month will be paid to every participating student. The candidates for U.S. Marine Corps commissions will perform training at the U.S. Marine Corps Base, Quantico, Virginia. The Marine Option NROTC Summer Training Program, "Bulldog," is designed to prepare midshipmen for appointment to commissioned grade by providing basic military instruction and physical training. An evaluation of midshipmen is made to ensure that they possess the leadership, academic, and physical qualifications required for appointment to commissioned grade in the Marine Corps Reserve. Female midshipmen participate in all NROTC curriculum requirements and activities, including cruises aboard selected ships. A woman who has qualified for Marine Option Summer Training at Quantico attends the Woman Officer Candidate Course at Officer Candidate School in Quantico, Virginia.

Specified University Courses: In addition to satisfying requirements for a baccalaureate degree, the student must satisfactorily complete the following four-year curriculum guide, including required naval science courses and specified university courses.

**Freshman Year**
- **Sem. Hrs.**
  - NSC 1110 Introduction to Naval Organization (Note 1) 3
  - NSC 1140 Seapower and Maritime Affairs (Note 1) 3
  - NSC 1101 Naval Science Lab 0

**Sophomore Year**
- **Sem. Hrs.**
  - NSC 2121 Naval Ships System I (Note 1) 3
  - NSC 4231 Principles of Naval Management I 3
  - NSC 2213 Evolution of Warfare (Note 2) 3
  - MAG 3311, 3312 Calculus I, II (Note 3) 8

**Junior Year**
- **Sem. Hrs.**
  - NSC 3214, 3213 Navigation I, II (Note 4) 3
  - American Military History/International Relations (Note 5) 3
  - Computer Science Elective (Note 5) 3
  - PHY 3048, 3049 Physics I, II (Note 3) 10

**Senior Year**
- **Sem. Hrs.**
  - NSC 3122 Naval Ships Systems II (Note 4) 3
  - NSC 4232 Principles of Naval Management II (Note 4) 3
  - NSC 4224 Amphibious Warfare (Note 2) 3

**NOTES:**
1. Undergraduate naval sciences required to be completed for a scholarship student before Fall Semester junior year.
2. Required of Marine Option midshipmen only.
3. One year each of calculus and analytic geometry and calculus based physics is required for every Navy, option scholarship student. Recommended but optional for College Program and Marine Options.
4. Upper division Naval Sciences required of Navy Options are not required of Marine Options.
5. The following courses may be used to meet the American Military History/National Security Policy and Computer Science requirements:
   - *AMH 3540 American Military History*
   - INR 3002 International Relations
   - INR 4102 American Foreign Policy
   - "COP 1215 and 1215L Fundamentals of Programming"
   - CGS 1160 Microcomputer Applications
   - CGS 2120 Introduction to Computing with Programming
   *Indicates recommended courses

**Furnished Items**—All uniforms, textbooks, and equipment needed by the student for naval science courses are furnished by the Navy.

**Use of Navy Science courses as University Electives**—Academic departments within the university may, according to their own policies, accept naval science courses as electives to fulfill requirements in their academic program.

**Naval Science Minor**—Upon successful completion of the four-year Naval Science Program, a student may be awarded a minor in naval science. Specific requirements should be arranged with the student’s academic department.

**Naval Science Laboratory**—The naval science curriculum includes a weekly two-hour laboratory covering professional and military subject matter. Attendance is mandatory for all midshipmen.

**Naval Science Faculty**

**STUDENT LEADERSHIP MINOR**

The minor in Leadership Studies consists of a minimum of 18 credit hours with a "B" average (3.0). All students shall complete the first courses in the sequence and select four additional courses from the list of approved courses for the program. The series of courses is designed to help students develop personal and organizational leadership skills. The program is interdisciplinary in nature and should be of significant benefit to students in all areas of study.

The seven courses are designed to give students a practical and theoretical grasp of leadership. The basic assumption is that leadership can be learned and, therefore, taught. This program has a unique approach to leadership education that combines practical theories of leadership and learning to provide opportunities for students to study the nature of authority, leadership, social and role dynamics, political processes and the values that orient their careers. Students learn personal, diagnostic, operational, and tactical skills. In these classes, students are challenged to investigate self, context, and strategy.

**Required Courses (6 hours):**
- SLS 2261 Leadership Fundamentals (3)
- SLS 3140 Survey of Leadership Readings (3)

**Elective Courses (12 hours):**
- SLS 3948 Community Leadership Practicum (3)
- SLS 4010 Theories of Leadership (3)
- SLS 4015 Images of Leadership in Print and Film (3)
- SLS 4120 Leadership in Complex Organizations (3)
- SLS 4129 Ethics and Power in Leadership (3)
The College of Visual and Performing Arts exists in the context of a dynamic, contemporary, urban, research university setting, characterized by its cultural diversity. The College provides opportunities for students to develop their interests and talents to the fullest whether they wish to pursue a creative or performing career, a teaching career, or life-long artistic enrichment.

Mission
The mission of the College of Visual & Performing Arts is to conduct creative research and to educate, challenge, and inspire students for leadership in the arts. The College provides an environment that is imaginative, significant, and contemporary, and engages with local, national and international communities in arts initiatives.

The College of Visual and Performing Arts is a unique entity housing the School of Art & Art History, the School of Music, and the School of Theatre and Dance. The Institute for Research in Art includes the Contemporary Art Museum, Graphicstudio, and the program for Public Art. All serve multiple academic purposes within the College of Visual and Performing Arts as well as enrich the cultural environment within the university community. More information about each program is available on the College website at http://www.arts.usf.edu/.

College Activities and Events
The College of Visual and Performing Arts arranges a full schedule of concerts, plays, lectures, films, and workshops featuring students, faculty, and visiting artists. Events are open to the general public and are presented both during the day and in the evening. Special ticket privileges are available to USF students. For more information, contact the Fine Arts Events Office.

Visiting Artist Program and Artist-in-Residence
The College of Visual and Performing Arts is committed to creating and cultivating an artistic environment to enhance the total learning experience of its students and the community at large. Each year performing groups are invited to the campus for a period of residency. The visiting artists provide opportunities for students and the community to participate in their teaching, creative, and performing abilities.

Institute for Research in Art
USF’s Institute for Research in Art houses the Contemporary Art Museum, Graphicstudio and the program for Public Art. The IRA is dedicated to an international artists’ residency program that brings to the University and Tampa Bay community today’s most accomplished and influential artists working in the international arena. Exhibitions, collection development, publication of limited edition graphics and sculpture multiples, commissioned public art works, lectures, symposia, workshops and special events are designed to foster awareness about the role of contemporary artists in shaping our culture and society.

Contemporary Art Museum
The Contemporary Art Museum presents exhibitions that focus on contemporary art and also showcase the work of faculty, students and alumni. The exhibitions and art collection serve as an integral part of the studio and art history curriculum of the School of Art & Art History. Educational programs are offered to the University and Tampa Bay community. The Contemporary Art Museum houses the USF art collection which is composed of original graphics, drawings, photographs, and African and Pre-Columbian artifacts.

Graphicstudio
Graphicstudio was founded in 1968 as an experimental, research-oriented collaborative workshop in the College of Fine Arts. Over sixty leading international artists have created more than 400 limited-edition fine art works at Graphicstudio, in intaglio, photogravure, lithography, relief, serigraphy, sculpture, and artist books. Graphicstudios’ works are archived at the National Gallery of Art in Washington, D.C., the only university-based workshop so honored. Graphicstudio offers unique opportunities for graduate students to work and learn in a professional environment. Offerings include classes, conferences, internships and graduate assistantships in printmaking, sculpture fabrication, curation, education and arts administration.

African Arts Program
In conjunction with the Endowed Chair and program in African Art History, the College promotes understanding of African Art and provides research opportunities for persons interested in African Art. A curriculum with an interdisciplinary emphasis on traditional African Arts, new world diaspora, or trans/African forms is being coordinated with specialists and collectors in the field.

The British International Theatre Program
The BRIT program provides residencies for major British theatre artists to work from two to eight weeks each year in master classes and Theatre productions. This private/public endowed partnership creates a rich learning and performing environment for theatre students.

The John W. Holloway Endowed Chair in Theatre and Dance
The Holloway endowment provides residencies for major dance and theatre artists to work from two weeks to one semester in master classes and on productions in dance and theatre. This serves as an incubator for original contemporary and traditional dance compositions and theatre works that are enhanced by visiting artists working in collaboration with faculty and students.

SYCOM (Systems Complex for the Studio and Performing Arts)
SYCOM offers facilities for all different fields of professional audio, from analog synthesis to MIDI to digital recording. Through a wide range of courses, students learn techniques of the professional recording studio and the skills to record and produce live music, as well as modern digital audio editing and mastering.

Music Festivals
The School of Music sponsors a variety of Festivals for high school students. Among these are the Festival of Winds which enjoys a tradition of more than 25 years on the USF campus, the Festival of Voices which brings talented high school vocalists to campus to experience choral singing under the direction of USF faculty and guest conductors, and the Festival of Strings that features orchestral and chamber music experiences. All the Festival programs provide an opportunity for participants to experience an intensive and high level musical experience while enjoying the fellowship of other talented musicians in the context of a supportive and educational atmosphere provided by the faculty and students of the School of Music. For details about each program, contact the Coordinator of Admissions in the School of Music.

Baccalaureate-Level Degree Programs
The College of Visual and Performing Arts offers four undergraduate degrees:
Bachelor of Arts (B.A.) in Art, Dance, and Theatre
Bachelor of Music (B.M.) in Music
Bachelor of Fine Arts (B.F.A) in Studio Art, Theatre Design Concentration or Dance Performance
Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) in Music Education
Undergraduate Admission to the College of Visual and Performing Arts

Admission to the College of Visual and Performing Arts is contingent on acceptance into the university through the USF Office of Admissions. Additionally, students who wish to major or minor in art, dance, music, or theatre should contact the respective School. Admission is open in the School of Art & Art History and for theatre majors. Auditions are required for admission to the Dance program and the School of Music and must occur on specific dates as posted by those programs. All prospective students in the College of Visual and Performing Arts must complete the necessary forms in the Office of Student Services and Advising in FAH 120 in order to be on file as majors or minors.

Although the Art and Theatre programs are open admission programs, transfer students and current USF students who request admission to these programs must be placed according to their abilities. Hence, art studio students should have their portfolios evaluated for credit; they are attempting to transfer into their degree. Theatre students wishing to concentrate in performance or design must audition or have a portfolio reviews for acceptance into the upper-division concentration courses. Dance and music students must complete successful auditions prior to Orientation and registration for their home unit’s core courses.

Students with previously earned college credit, and who request admission to the College of Visual and Performing Arts, are required to provide copies of their transcripts to their advisors for the purpose of deciding which credits can apply to their degree program at USF. Copies of catalog pages with course descriptions from previous institutions are needed for each course being transferred for degree requirements. A minimum grade of “C” is usually necessary for courses in the concentration.

Visual and Performing Arts Advising

The College of Visual and Performing 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, Visual and Performing 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 Visual and Performing Arts (FAH), Room 120, (813) 974-3660. The College is located centrally, just west of the Contemporary Art Museum and Marshall Center.

Office Hours

Usual office hours are 8 a.m. - 5 p.m., Monday - Friday.

General Requirements for B.A. Degrees Within the College of Visual and Performing Arts

1. All degree programs require 120 credit hours, with the exception of the Music Education degree (154).

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 Visual and Performing Arts (or into any one of its upper-level degree programs), or a requirement for graduation from the university.

3. Students transferring to the College of Visual and Performing 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 Visual and Performing Arts must take six fine arts credit hours in a field other than the major discipline. Transfer of special fine arts credits must be evaluated by an advisor. Special Fine Arts courses may be taken as S/U grading.

5. A maximum number of ROTC credits totaling no more than the maximum allowed in the Free Elective Area for each major may be counted toward all degrees.

6. A maximum of four credit hours of elective Physical Education credits taken at USF may be counted as general elective credit toward all degrees.

7. Students must satisfactorily complete the College Level Academic Skills Test CLAST and the writing and computer 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 School.

A minimum of 20 credit hours in the major unit must be earned in residence. This requirement, however, may be waived by the school based on examination (e.g., portfolio review, audition). A student must also earn 30 of the last 60 hours of credits in residence at USF. However, any course work to be taken and any credits to be earned outside of the university must have prior approval from the appropriate 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 Visual and Performing Arts College requirements is possible by demonstration of competency. Unless credit is awarded by approved official transfer (i.e., A.P., CLEP), the credit hours must be made up according to 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 Visual and Performing 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 Visual and Performing 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 school director.
3. The school 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 Visual and Performing 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 Visual and Performing Arts requires that any S/U grading agreement entered into between student and instructor be formalized by a contract in quadruplicate signed by the student and the instructor and distributed according to instructions.

"I" GRADE CONTRACTS

Incompletes must be contracted for by mutual agreement between student and instructor, with the contract describing specifically the amount and nature of the work to be completed for the removal of the incomplete grade. This contract addition-ally specifies the date that the work will be due (within legal limits) for grading. Both the student and the instructor must sign this contract and the four copies must be distributed according to instructions. A student must not register for a course again to remove an "I" grade.

PERMISSION PROCEDURES

Admission into some courses is possible only by consent of instructor (CI), consent of chairperson (CC), consent of advisor, or by audition or portfolio review. When such special permission is required, it will be the student’s responsibility to obtain any required permission prior to registration.

S/U Grading in the College

1. Non-majors enrolled in courses in the College of Visual and Performing 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 arts disciplines 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 Visual and Performing 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 Visual and Performing 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 Visual and Performing Arts.

See Academic Policies and Procedures, Programs and Services.

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 Visual and Performing 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 units or arts disciplines within the College of Visual and Performing Arts as a means of interdisciplinary study. See the major advisor in the programs of particular interest.

Minor Programs

The College of Visual and Performing Arts offers minor programs in Art, Dance, Music, and Theatre. Majors in the College of Visual and Performing Arts may pursue a minor in any certified minors program at USF except within the same arts discipline as the major. The requirements for these programs are located under the 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.

SCHOOLS AND PROGRAMS

• ART (ART)

The School of Art & Art History offers the Bachelor of Fine Arts degree in Studio Art and the Bachelor of Arts degree with concentrations in either Studio Art or Art History. The two studio curricula (BA - studio concentration and BFA) are designed to develop the student’s consciousness of aesthetic and ideological aspects of art and its relationship to life and to assist students in the realization of personal ideas and imagery. Many students interested in college teaching, museum or gallery work, fine or commercial studio work pursue the extended discipline and experience offered at the graduate level.

Although the Studio Art programs allow many possible courses of study, most art major students will select one area of emphasis chosen from the course offerings listed.

The major areas of emphasis, available to Tampa campus undergraduate art studio students are Drawing, Painting, Sculpture, Ceramics, Electronic Media (Computer Imaging, Video), Printmaking and Photography. A new BFA concentration on Graphic Design (junior and senior years only) is now available on the USF St. Petersburg campus. This is a limited access program. 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 School of Art & Art History will accept all Florida state programs that are part of the "Common Prerequisites." The Art History program (BA - Art History concentration) reflects the faculty’s belief that strong liberal arts study, supplemented with art studio classes, internships and travel, is the most appropriate preparation for students who desire further study at the graduate level or professional work in the fields of art history research, teaching or galleries and museums. Students who pursue the BA in Art History will acquire a broad, thorough knowledge of art from prehistory to the present.

For additional requirements see Graduation Requirements, College of Visual and Performing Arts.

Prerequisites (State Mandated Common Prerequisites)

The College of Visual and Performing 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,
Requirements for the B.A. Degree in Art Studio

The following courses apply to the B.A. degree in Art Studio:

I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2202C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>3</td>
</tr>
<tr>
<td>ART 3300C</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. Students must take at least one two-dimensional and one three-dimensional studio course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2400C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2510C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2710C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2110C</td>
<td>3</td>
</tr>
<tr>
<td>ART 2202C</td>
<td>3</td>
</tr>
<tr>
<td>PFG 2401C</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 12 hours

III. Intermediate Studio Workshops

A minimum of 6 hours from the following:

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

Total 6 hours

B.A. students may take advanced courses if they have the requisite 3.25 Major G.P.A. and course prerequisites. This would represent work in excess of degree requirements.

IV. Expanded Context Courses

A minimum of 3 hours of your studio work must be from selected expanded context courses. Expanded context courses include ART 4806 Theme Studio, cross-media classes and/or ART 4930 special topics studio classes.

V. Art History

A minimum of 12 hours in the following history courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4100</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4170</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4301</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4400</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4520</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4530</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4796</td>
<td>4</td>
</tr>
</tbody>
</table>

Total 12 hours

VI. Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3939</td>
<td>3</td>
</tr>
<tr>
<td>ART 4955</td>
<td>2</td>
</tr>
</tbody>
</table>

Total 7 hours

Note: It is recommended that transfer students complete both Design I and Design II prior to transfer. If a student does not complete Design I and Design II prior to transfer they should wait and enroll in ART 2201 (Fabrications I) and ART 2203 (Fabrications II) at USF.

VII. Recommendations

Students are encouraged to take additional credits in the Studio Workshops and Theme Studio Courses to fulfill art electives.

Total Art 55 hours

Total Semester Hours for the B.A. degree in Art Studio:

Please note under General Education that the Historical Perspectives must be satisfied with History of Visual Arts I, ARH 2050 and History of Visual Arts II, ARH 2051. The Fine Arts Perspectives must be satisfied with Fabrications I, ART 2201 and/or Fabrications II, ART 2203.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education*</td>
<td>27</td>
</tr>
<tr>
<td>Exit Requirements</td>
<td>9</td>
</tr>
<tr>
<td>Art Requirements</td>
<td>58</td>
</tr>
<tr>
<td>Special Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives (Maximum Art 9 hours)</td>
<td>20</td>
</tr>
</tbody>
</table>

Total 120 hours

*Please note that 9 hours of General Education requirements are satisfied by the Art School curriculum and that the actual total hours in General Education remains 36 as state-mandated.

Note: All students earning a B.A. degree in Art or Art History must complete the Foreign Language Requirement

Requirements for the B.F.A. Degree in Studio Art

Admission into the B.F.A. program is contingent upon the student having a 3.25 major GPA, which must be maintained for the degree to be awarded. The accelerated studio experiences provided for students meeting the requirements of the Bachelor of Fine Arts degree will better prepare them for professional participation in the visual arts.

The B.F.A. program in Studio Art will expose the student to many possibilities in the art-making process. The areas of emphasis in art media on the Tampa campus are painting, drawing, printmaking, photography, sculpture, ceramics and electronic media/video/performance. These options provide access to a comprehensive program of study in art. Students can develop their conceptual and technical skills in a particular art discipline or decide to investigate a specific subject through the use of numerous media and "mixed" forms of art.

The USF School of Art & Art History hosts fully equipped studios in all of these disciplines.

The new B.F.A. program in Graphic Design is limited access and taught only at USF St. Petersburg. (Juniors and seniors only.)
Transfer credit from other institutions is accepted on the basis of portfolio and transcript evaluation. The School of Art & Art History accepts transfer credit from all Florida programs that are part of the "common course prerequisites".

I. Art Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Visual Arts I*</td>
<td>(3)</td>
</tr>
<tr>
<td>ARH 2051 History of Visual Arts II*</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 220C Fabrications I**</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 220C Fabrications II**</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2300C Beginning Drawing</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 3301C Intermediate Drawing</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 18 hours**

*History of Visual Arts I and II must be used to satisfy the General Education Historical Perspectives requirement if the student is to remain within 120 hours for the degree.

**Fabrications I or II must be used to satisfy the General Education Fine Arts requirement if the student is to remain within 120 hours for the degree.

II. 2000 Level Studio

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 Level 2-D Studio</td>
<td>(3)</td>
</tr>
<tr>
<td>2000 Level 3-D Studio</td>
<td>(3)</td>
</tr>
<tr>
<td>2000 Level Specialization</td>
<td>(3)</td>
</tr>
<tr>
<td>2000 Level Elective Studio</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 12 hours**

III. 3000 Level Studio

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 Level Specialization*</td>
<td>(9)</td>
</tr>
<tr>
<td>3000 Level Non-Specialization</td>
<td>(3)</td>
</tr>
<tr>
<td>3000 Elective Studio</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 15 hours**

*Some programs, such as Photography and Sculpture, require 9 hours at the 3000 level.

IV. 4000 Level Studio

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 Level Specialization</td>
<td>(6)</td>
</tr>
<tr>
<td>4000 Level Elective</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 9 hours**

V. Expanded Context Courses

A minimum of 3 hours of your Intermediate or Advanced Studio work must be from selected expanded context courses. Expanded context courses include ART 4806 Theme Studio, cross-media classes and/or ART 4930 special topics studio classes.

**Total 3 hours**

VI. Art History

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4450 20th Century</td>
<td>(4)</td>
</tr>
<tr>
<td>ARH 3454 Contemporary Issues in Art</td>
<td>(4)</td>
</tr>
<tr>
<td>4000 Level Period Art History</td>
<td>(8)</td>
</tr>
<tr>
<td>ARH 4796 Critical Studies</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 20 hours**

VII. Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3939 Real World</td>
<td>(3)</td>
</tr>
<tr>
<td>Extended Studies*</td>
<td>(2)</td>
</tr>
<tr>
<td>ART 4970 Senior Thesis</td>
<td>(2)</td>
</tr>
</tbody>
</table>

**Total 7 hours**

**Total Art 84 hours**

*Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/ Apprenticeships, London Middlesex Program

Total Semester Hours for the B.F.A. degree in Art Studio:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education*</td>
<td>(27)</td>
</tr>
<tr>
<td>Art Requirements**</td>
<td>(84)</td>
</tr>
<tr>
<td>Special Requirement</td>
<td>(6)</td>
</tr>
</tbody>
</table>

**Total 120 hours**

*Please note that 9 hours of General Education requirements are satisfied by the Art School curriculum and that the actual total hours in General Education remains 36 as stated.

**Please note that 6 hours of Exit requirements must be completed in the Art School or in the College of Visual and Performing Arts and satisfy either B.F.A. program requirements or a portion of the special requirement. This ensures that the required total of 9 exit hours is satisfied within the 120 hours.

Requirements for the B.F.A. Degree in Studio Art with a Concentration in Graphic Design

Available only at USF St. Petersburg, the Graphic Design Program includes a series of courses in design, history and theory of art and graphic design, as well as the technical approaches to creative visualization. Courses cover typography, layout, digital media, graphics, video technology, print and digital reproduction processes and professional practices. The goal of creative and professional development focuses upon challenging students with projects that demand creative content, structure, management of complexity, and exploration into visual solutions involving information, design limitations, and budget restrictions.

The graphic design curriculum will expose students to graphic design foundation, principles, and techniques most often used in successful visual communication for both print and digital media.

The B.F.A. Studio Art Degree with a concentration in graphic design is a limited access, upper-level program. Each fall a cohort will follow a sequential course schedule. Specific equipment requirements for this program are delineated on the university’s website at www.usf.edu/gd.

Admission into the B.F.A. program is contingent upon the student having a 3.25 major GPA, which must be maintained for the degree to be awarded. Student competency will be evaluated individually and based upon criteria such as GPA, writing skills, and a portfolio of work indicative of: (1) concept, execution, and presentation of studio artwork, (2) conceptual understanding of art and design standards, (3) application of art and design concepts, (4) examples of drawing methods and materials, and (5) historical knowledge of art and design as evidenced by previous assignments in visual problem solving.

Transfer credit from other institutions is accepted on the basis of portfolio and transcript evaluation. The School of Art & Art History accepts transfer credit from all Florida programs that are part of the “common course prerequisites”.

The following courses are necessary for completing a B.F.A. degree in Studio Art with a Concentration in Graphic Design:

I. Art Foundation (Requires a “C” or better in all courses taken to progress to courses numbered 3000 and up)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Visual Arts I*</td>
<td>(3)</td>
</tr>
<tr>
<td>ARH 2051 History of Visual Arts II*</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2201C Fabrications I**</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2203C Fabrications II**</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2300C Beginning Drawing</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 3301C Intermediate Drawing</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 18 hours**

*HISTORY OF VISUAL ARTS I AND II MUST BE USED TO SATISFY THE GENERAL EDUCATION HISTORICAL PERSPECTIVES REQUIREMENT IF THE STUDENT IS TO REMAIN WITHIN 120 HOURS FOR THE DEGREE.

**Fabrications I or II must be used to satisfy the General Education Fine Arts requirement if the student is to remain within 120 hours for the degree.

II. Additions to the Art Foundation requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 level studio elective</td>
<td>(3)</td>
</tr>
<tr>
<td>2000 level courses the areas of Computer Language and/or Media</td>
<td>(3)</td>
</tr>
<tr>
<td>MMC 3602 Mass Com and Society</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 9 hours**
Graphic Design Program Requirements

III. Fall Semester
- ART 2280C Typography (3)
- VIC 3001 Intro to Visual Communications (3)
- GRA 3545 Graphic Design I (3)
- GRA 3549 Multimedia Systems I (3)
- ARH 4430 19th Century Art (4)
- Total 16 hours

IV. Spring Semester
- GRA 3548 Computer Graphics (3)
- PGY 3801C Digital Media I (3)
- ART 4925 Media Workshop: Design Production (3)
- ARH 4724 History of Graphic Design (4)
- Support Course (3)
- Total 16 hours

V. Fall Semester
- PGY 4420C Digital Media II (3)
- ART 4929C Graphic Design: Senior Studio (3)
- ARH 4450 20th Century Art (4)
- SUPPORT COURSE (3)
- Total 16 hours

VI. Spring Semester
- ART 4955C Senior Project: Portfolio (3)
- ART 4974C Professional Practicum (3)
- ART 4940 Internship (2)
- ARH Art History Course (Exit) (4)
- Total 12 hours

Total 87 Art hours

Total Semester Hours for the B.F.A. degree in Art Studio with a Concentration in Graphic Design:
- General Education* (24)
- Exit Requirements** (3)
- Art Requirements (87)
- Special Requirement (6)
- Total 120 hours

*Please note that 9 hours of General Education requirements are satisfied by the Art School curriculum and that the actual total hours in General Education remains 36 as state-mandated.

**Please note that 6 hours of Exit requirements must be completed in the Art School or in the College of Visual and Performing Arts and satisfy either B.F.A. program requirements or a portion of the special requirement. This ensures that the required total of 9 exit hours is satisfied within the 120 hours.

Requirements for the B.A. Degree in Art History

The following courses are necessary for completing a B.A. degree in Art History:

I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)
- ARH 2050 History of Visual Arts I* (3)
- ARH 2051 History of Visual Arts II* (3)
- ART 2201C Fabrications I (3)
- ART 2203C Fabrications II (3)
- ART 2300C Beginning Drawing (3)
- ART 3301C Intermediate Drawing (3)
- Total 18 hours

II. Art History Required Courses
- ARH 4450 20th Century (4)
- ARH 4937 Seminar in the History of Art History** (4)
- Total 8 hours

**Offered only once per year.

Plus: Minimum of 12 hours in the following history courses:

III. Art History Survey
- ARH 4100 Prehistoric & Ancient (4)
- ARH 4170 Greek & Roman (4)
- ARH 4200 Medieval (4)
- ARH 4301 Renaissance (4)
- ARH 4350 Baroque and Rococo (4)
- ARH 4430 19th Century (4)
- ARH 4520 African (4)
- ARH 4530 Oriental (4)
- Total 12 hours

IV. Art History Critical Studies or Directed Reading
- ARH 4796 Critical Studies in Art History and/or
- ART 4900 Directed Reading (A minimum of 12 credit hours)
- Total 12 hours

V. Plus
- Extended Studies: required of all majors (2)
  (London Middlesex Program, Paris Program, Public Art, Museum Internships, Community Art, Artists Internship/Apprenticeships)
  Total 2 hours

VI. Recommendations
- Students are encouraged to take additional credits in Art History critical studies courses and Art History survey courses.
- 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

*General Education "Historical Perspectives" will be satisfied by ARH 2050, History of Visual Arts I and ARH 2051, History of Visual Arts II.

Note: All Students earning a BA degree in Art 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)
- Intermediate Studio Workshop (3)
- Theme Studio (3)
- Total 9 hours

Art History Concentration: 24 minimum hours required

I. Art History Preparation
- ARH 2050 History of Visual Arts I (3)
- ARH 2051 History of Visual Arts II (3)
- ART 2201C Fabrications I (3)
- ART 2203C Fabrications II (3)
- Total 12 hours

II. Art History
- 20th Century (4)
- Art History Survey (8)
- Total 12 hours
VISITING ARTISTS AND SCHOLARS

The School of Art & Art History 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 School has brought to the campus internationally known artists and lecturers such as Alice Aycock, Linda Benglis, Jack Burnham, James Casebere, Albert Chong, Robert Colescott, Hal Foster, Edward Fry, Guillermo Gomez-Pena, Adam Gopnik, The Guerrilla Girls, Dave Hickey, Barbara Kruger, Donald Kuspit, Alfred Leslie, Komar and Melamid, Marlon Riggs, Tim Rollins, Alison Saar, Lorna Simpson, Miriam Shapiro, Robert Stackhouse, Renee Stout, Sidney Tillem, 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 Williams, and the museum internationally recognized artists from Africa, Europe, and Latin America, such as Leo Copers, Patrick Corillon, Alfredo Jaar, Antonio Martorrelli, Pepon Osorio, and Peter Weibel. The Museum also houses the university's art collection with exceptional holdings in graphics, sculpture multiples, and recent photography. The Museum is actively engaged in commissioning architecturally related public art projects designed to enhance the public spaces on the USF campus. Recent projects include works by Dale Ered, 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 School of Art & Art History 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 internationally recognized artists from Africa, Europe, and Latin America, such as Leo Copers, Patrick Corillon, Alfredo Jaar, Antonio Martorrelli, Pepon Osorio, and Peter Weibel. The Museum also houses the university's art collection with exceptional holdings in graphics, sculpture multiples, and recent photography. The Museum is actively engaged in commissioning architecturally related public art projects designed to enhance the public spaces on the USF campus. Recent projects include works by Dale Ered, 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 School of Art & Art History and other liberal studies areas while enhancing the cultural vitality of the campus and Tampa Bay communities.

• DANCE (DAN)

The dance program in the School of Theatre & Dance offers professional preparation through a curriculum of study within two degree options: B.F.A. in Dance Performance and B.A. in Dance Studies. There is an expressed commitment to the development and production of original creative works as extensions of studio/classroom experiences, of faculty research, and in interaction with guest artists.

The presentation of dance in concert is essential to the educational mission, and provides students and the community with frequent opportunities for expanding aesthetic experiences.

Through intensive study in dance technique, creative studio studies and dance theory, students are prepared for careers in performance, choreography, and education. Additionally, these degree programs may help prepare students for graduate work in Dance Sciences/Medicine, Dance Therapy, Arts Management, Performance, Choreography, or Interdisciplinary Studies.

Admission to the Dance program 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 Visual and Performing Arts encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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.F.A. in Dance

Any 24 credit hours from the following 30 hours will be accepted toward the major.

DAN 2610 (3) or DAN 2600 (3)
DAN 2611 (3) or DAN 2601 (3)
DAA 2610 (2)
DAA 2611 (2)
DAA 2680 (2) - or any lower level Repertory course in the X400-X400 series up to 4 credit hours.
DAA 2681 (2) - or any lower level Repertory course in the X400-X400 series up to 4 credit hours.
DAA X200-X209 (8) - Up to 8 credit hours of any lower level Ballet Technique courses within the X200-X209 taxonomy.
DAA X100-X109 (8) - Up to 8 credit hours of any lower level Modern Technique courses within the X100-X109 taxonomy.

Although credit toward the major will be given for these courses, placement in upper level technique classes will continue to be based on individual proficiency. Other technique courses in other styles of dance may be accepted toward the major on a case-by-case basis at the discretion of the university. Transfer dance credits must be presented for evaluation by faculty and dance advisor at time of entrance.

Requirements for the B.F.A. Degree in Dance

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 B.F.A. will develop and present solo and group Senior Choreographic Projects.

The BFA is a limited access program. Students must participate in a selective admissions procedure. At the end of their first year, students will be assessed by Dance faculty to determine eligibility.
Modern Dance Focus

Studio Technique (28 semester hours)
DAA 3209 Ballet III (6)
DAA 3109 Modern III (6)
DAA 4111 Modern IV (8)
DAA 3394 World Dance (2)
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 3686 Jr. Performance Project* (1)
DAA 3686/3654 Performance/Repertory (5)
DAA 4694 Senior Choreographic Project (1)

*Concurrent enrollment in Dance Technique

Dance Theory (27 semester hours)
DAN 2160 Entry Seminar (2)
DAN 3554 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (3)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 4404 Laban Movement Analysis (3)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4404 Laban Movement Analysis (3)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)

or

DAE 4310 Dance Pedagogy: Pre-School and Elementary Methods (3)
DAN 4181 Dance Senior Seminar (2)
Non-Dance Electives: (9)

Ballet Focus

Studio Technique (30 semester hours)
DAA 3209 Ballet III (6)
DAA 4211 Ballet IV (6)
DAA 3294 Ballet Variations/Pointe (2)
DAA 3109 Modern III (6)
DAA 3394 World Dance (2)
Elective Dance Technique: (6)

Creative Studio Studies (17 semester hours)
DAA 3624 Dance Improvisation (2)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 4616 Choreography III (2)
DAA 4617 Choreography IV (2)
DAA 3686 Jr. Performance Project* (1)
DAA 3686/3654 Performance/Repertory* (5)
DAA 4694 Senior Choreographic Project (1)

*Concurrent enrollment in Dance Technique

Dance Theory (27 semester hours)
DAN 2160 Entry Seminar (2)
DAN 3554 Practicum in Dance Production (1)
TPA 2200 Introduction to Technical Theatre I (3)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 4404 Laban Movement Analysis (3)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)

or

DAE 4310 Dance Pedagogy: Pre-School and Elementary Methods (3)
DAN 4181 Dance Senior Seminar (2)
Non-Dance Electives: (9)

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, Education, History, Psychology, Religious Studies, Theatre, Women’s Studies, etc.) should complete focused study in that area along with the core of study in dance. Each student would be required to develop a final independent project incorporating dance with his or her focused study.

Coursework to be taken at USF

Studio Technique (20 semester hours)
DAA 3108 Modern II (6)
DAA 3208 Ballet II (6)
DAA 3109 Modern III (6)
or
DAA 3209 Ballet III (6)
DAA 3394 World Dance (2)

Creative Studio Studies (13 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 3686 Performance (1)
DAN 4906 Independent Research Project (1)

Dance Theory (23 semester hours)
DAN 2160 Entry Seminar (2)
DAN 3554 Practicum in Dance Production (1)
TPA 2200 Intro to Technical Theatre (3)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)
DAN 4930 Research in Dance (2)
DAN 4181 Dance Senior Seminar (2)
Focused Electives (15-17 semester hours)

B.S. Degree in Dance Education

The Dance Education Curriculum is currently inactive. See the Director of the School of Theatre & Dance for further information. It is recommended that students seeking to become teachers obtain a B.A. in Dance Studies with specialization in Education.

Requirements for the Dance Minor

The Dance Minor is designed to provide students with a scope of experiences in dance which include studio technique, creative studio studies and dance theory. The student selecting a Dance Minor should arrange to meet with the academic advisor in dance prior to enrolling for classes.

Studio Technique (10 semester hours)
Select 10 credits from:
DAA 2205 Ballet I (2)
DAA 3208 Ballet II (2)
DAA 3209 Ballet III (3)
DAA 4211 Ballet IV (4)
DAA 2105 Modern Dance I (2)
DAA 3108 Modern Dance II (3)
DAA 3109 Modern Dance III (3)
DAA 4111 Modern Dance IV (4)
ADDITIONAL STANDARDS

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 "D" or "F" must be repeated and a "C" grade or better earned. Note: The student choosing a Dance Minor must achieve a "C" or better in all courses applied to the minor in dance.

ADDITIONAL STANDARDS

In addition to meeting the specific requirements and standards discussed above, the student and advisor will periodically evaluate the student's general progress. Students are required to meet with the Academic Advisor in Dance each semester. An unsatisfactory rating in one or more of the following areas could place the student on probation. A student on probation is given a specific amount of time to achieve a satisfactory rating before being dropped from the major program. The criteria include:

1. Appropriate academic progress.
2. Adequate technical skills and adaptability.
3. "B" average in major studio classes.
4. Physical conditioning which includes: nutrition, flexibility, strength, and healthful weight management necessary to facilitate safe technical and artistic expression.

Class probation and program probation require review, i.e., reinstatement in good standing or recommendation to drop major.

For other non-major requirements see both Visual and Performing Arts College requirements and the university's General Distribution and graduation requirements.

VISITING ARTISTS AND ARTISTS-IN-RESIDENCE

The School of Theatre & Dance believes in the ongoing influence of guest artists as choreographers, teachers for master classes, residencies and performers. The programs provide numerous opportunities to enhance the students' artistic awareness of professional possibilities.

- MUSIC (MUS)

The music curriculum is designed for students gifted in the performance and/or composition of music. Candidates for a major in music are required to pass an entrance audition in their respective performance areas. Composition candidates are required to submit appropriate scores and/or tapes of their compositions for faculty appraisal. All students admitted to the degree program must pass a music theory diagnostic examination prior to scheduling music theory classes. Students may obtain dates and times for these examinations from the School of Music.

Academic programs offered in the Bachelor of Music degree include the areas of Performance (voice, piano, piano pedagogy, and orchestral instruments), Composition, and Jazz Studies (composition and performance).

The School of Music is developing an Honors program. Please check with an academic advisor regarding the requirements.

GENERAL REQUIREMENTS

All students seeking a Bachelor of Music degree are required to (1) complete successfully the piano proficiency (jazz piano proficiency required instead for all jazz majors) and music theory-history-literature requirements; (2) present a partial recital during the junior year (except composition majors); (3) present a full recital during the senior year (except music education majors); (4) present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty). Students must be enrolled in applied music studio during the semester of the recital. Other procedures are mandated through the Student Handbook of the School of Music. Exceptions to all departmental procedures must be authorized through the Director of the School of Music.

Promotion to the next higher level in applied music is made only upon the recommendation of a performance jury conducted by that concentration's faculty. Where appropriate for the degree, the student is required to complete a minimum of two semesters, but no more than three semesters at the 2000 or 3000 level of applied music. Failure to complete these levels within the three semester maximum brings automatic dismissal from the program. Students may repeat the 4000 level as necessary to fulfill the total credit hour requirement (3000 level for composition or music education). Credit for only 2 semesters of the recital is allowed.

The School of Music is developing an Honors program. Please check with an academic advisor regarding the requirements.

MINIMUM GRADE FOR MUSIC COURSES

A minimum grade of "C" is necessary in all music courses required for the student's degree. Registration in required music courses resulting in grades of "D" or "F" must be repeated. Sequel courses may not be taken until prerequisites are satisfied with appropriate grades or waivers.
The B.M. Degree (Performance, Composition and Jazz Studies)

Prerequisites (State Mandated Common Prerequisites)

The College encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence. This examination is diagnostic and is used for advising purposes. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano must be demonstrated by audition or the student may elect to enroll in the appropriate keyboard skills class(ies). 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
MUT 2117 Music Theory
MUT 1241 Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUT 1242 Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUT 2246 Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUT 2247 Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUN XXXX Chamber Music Ensemble, 4 semester hours
MVX 1X1X Secondary Applied Music Courses, 2-4 semester hours
MVX 2X2X Secondary Applied Music Courses, 2-4 semester hours
Secondary Piano Proficiency by Examination
or MVK 1111, 1112, and 2122
or MVK 1111r, 1112r, 2121r, and 2121r
or MVK 1211 and 2221
Electives: Music credits beyond those required may be used as program electives.

CORE REQUIREMENTS FOR ALL PERFORMANCE, AND COMPOSITION CONCENTRATIONS
Music Theory (22)
MUT 1111 (3) MUT 2116 (3) MUT 4571 (3)
MUT 1112 (3) MUT 2117 (3) MUT 4411 (3)

MUT 1241 (1) MUT 2246 (1) or
MUT 1242 (1) MUT 2247 (1) MUT 4421 (3)

Music Literature (3)
MUT 2111 (3)*
*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

Music History (8)
MUT 3101 (3)* MUH 3102 (3)*
MUT 3300 (2) or MUH 4058 (3)* or MUH 4801 (3)
*This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

Conducting (2)
MUT 3104
Senior Seminar (1)
MUS 4935 (1)
MUS 2010 Recital Attendance (0)

Ensemble
Performance Majors (8), Composition (8)
All undergraduate students enrolled in applied music for 3 or 2 credit hours are required to be enrolled in a major ensemble appropriate to their performing medium.

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
Music Theory (26)
MUT 1111 (3) MUT 2116 (3) MUT 2641 (2)
MUT 1112 (3) MUT 2117 (3) MUT 2642 (2)
MUT 1241 (1) MUT 2246 (1) MUT 3353 (3)
MUT 1242 (1) MUT 2247 (1) MUT 3354 (3)

Music Literature (3)
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)
*This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

Conducting (2)
MUG 3104
Senior Seminar (1)
MUS 4935 (1)
MUS 2010 Recital Attendance (0)

Elective Hours in Music (10-12)

Ensemble:
Performance (8), Composition (8)
All students enrolled in applied music for 3 or 2 hours are required to enroll in a major ensemble appropriate to their performing medium.

Additional Requirements for Specific Concentrations

PERFORMANCE CONCENTRATION

A total of 24 credit hours of applied music major is required with a minimum of 6 hours to be completed at the 4000 level and concurrent registration in MUS 2010 (Recital Attendance). Performance majors in voice must "elect" to enroll for MUS 2201 for a total of 3 credits as a part of the Music Electives and MUO 3503 for 2 credits as a part of the Ensemble hours. Additionally, there is a program exit requirement of earned credit or the equivalent in beginning French, German, and Italian languages.

Performance majors in piano are required to "elect" to enroll in 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).

The first 4 semesters and a sophomore level jury are under the guidance of the traditional applied faculty for all wind students, after which they will move from that studio to a jazz studies studio for their final semesters of applied studies.

Jazz piano proficiency required.

COMPOSITION EMPHASIS

The following courses are required in addition to the core requirements:

MUC 2221 (6)  MUC 4403 (3)  MUC 4404 (3)

Elective Composition (6)

Applied music (principal) with a minimum of 4 hours at the 2000 level.

Jazz piano proficiency required.

COMPOSITION CONCENTRATION

All students seeking a degree in music with a composition concentration are required to fulfill the senior composition requirements (with the approval of the entire composition faculty) in one of the following ways: (a) a complete public performance of works by the student composer, (b) the public performance of several compositions in various concerts throughout the composer's senior year, (c) the formal presentation to the composition faculty of an extensive portfolio of compositions plus the public performance of at least one of these works during the senior year, or (d) in other ways designated by the composition faculty.

Applied Music (Principal) (8)

A minimum of 8 credit hours of applied music is required with a minimum of 4 credit hours at the 2000 level.

Composition Courses (24)

MUC 2301 (3)  MUC 2221 (3)  MUC 3231 (3,3)

MUC 3401 (3)  MUC 4241 (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 as general electives. Also, some courses required for the major may meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 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.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence.

Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency must be demonstrated by audition or the student may elect to enroll in the appropriate keyboard skills class(es). Credit hours in piano are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements:

EDF X005 Introduction to Education
EDG 2701 Teaching Diverse Populations
EME 2040 Introduction to Educational Technology

(For other degree requirements for all the above concentrations, see Fine Arts College requirements and the university’s General Education and graduation requirements. An equivalent course or demonstrated competency may be substituted).
MUT 2247  Advanced Aural Theory
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
MVX 1X1X Secondary Applied Music Courses, 2-4 semester hours
MVX 2X2X Secondary Applied Music Courses, 2-4 semester hours
MUN XXXX Chamber Music Ensemble, 4 semester hours
Secondary Piano Proficiency by Examination
or MVK 1111, 1112, and 2122
or MVK 1111r, 1112r, 2121r, and 2121r
or MVK 1211 and 2221

Introduction/General Psychology and Sociology courses are recommended.

State-Mandated Teacher Preparation Requirements

General Education Courses (adjusted to USF’s posting of liberal arts courses)
- Six hours of English, including writing, literature, and speech
- Nine hours of mathematics (must have a prefix of MAC, MGF, MTG, or STA), including MGF 1106 or a geometry course
- Ten hours of natural science, including a minimum of one lab and each of the following: Earth Science, Life Science, Natural Science
- Eighteen hours of Social Science and Historical Perspectives, including:
  - SPC 2600 Public Speaking
  - (or any Gen Ed speech course)
  - PSY 2012 Introduction to Contemporary Psychology
  - (or any Gen Ed psychology course)
  - AMH 2010 or 2020 American History I or II
  - (or any Gen Ed American history course)
  - PHH 2000 Introduction to Philosophy
  - (or any Gen Ed philosophy course)

College of Education Courses
EDF 2005 Introduction to Education and Field Experience (3)
EDG 2701 Teaching Diverse Populations and Field Experience (3)
*EME 2040 Introduction to Computers in Education (3)
EDF 3604 Social Foundations of Education (3)
EDF 3214 Human Development and Learning (3)
EDF 4430 Measurement for Teachers (3)
EEX 4070 Integrating Exceptional Students in the Regular Classroom (2)
RED 4310 Early Literacy Learning (3)
FLE 4315 Teaching Students with Limited English Proficiency (LEP) in K-12 (3)
Classroom Management, School Safety, Professional Ethics, Educational Law (3)
MUE 4936 Senior Seminar (2)
MUE 4940 Internship (16)

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 (10) MUE 4331 (3)
MUE 4936 (2) MUE 2450 (1) and/or (depending on professional focus) MUE 3451 (1)
MUE 2460 (1) and/or (depending on professional focus) MUE 3461 (1)

* Not required of woodwind majors
** Not required of brass majors

Music courses (30+ hours)
MUL 2111 (3)* MUG 3104 (2) MUH 2051 (3)**
MUH 3301 (3)** MUH 3302 (3)** MUH 1111 (3)
MUT 1112 (3) MUT 1241 (1) MUT 1242 (1)
MUT 2116 (3) MUT 2117 (3) MUT 2246 (1)
MUT 2247 (1)
* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.
** This course also satisfies 3 hours of ALAMEA Perspectives in the Liberal Arts Curriculum.
*** This course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

Applied Music (Principal) 12 cr. hrs. with a minimum of 4 hours at the 3000 level.
Music electives (3-5 hours)
Applied Music Secondary Techniques (2-3 hours)
MVP 1211, MVS 1211. One hour of choral ensemble is required for all non-voice majors.
Major performing ensembles (6 hours)
Minimum of one per semester of applied music
Graduating recital
MUS 2010 Recital Attendance (0)
Piano proficiency requirement
Fine Arts Elective (3 hours)

Music Education majors must take 3 hours in the Schools of Art & Art History, or Theatre & Dance. 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 (0)
      - Faculty jury recommendations for sophomore-level studio study (minimum) (6)
   c. Composition 9 hours
      Acceptance by audition into the School of Music is required.
      - Introduction to Electronic Music (2)
      - Composition Studio courses which may include one course of orchestration (6)
      - Music Ensemble (1)

3. Admission to all composition and studio applied music courses is by audition and/or permission of the instructor. Studio courses may be repeated for credit as stipulated in the catalog.
THE FACULTY
The music faculty is made up of outstanding musicians and scholars whose talents and achievements provide a unique educational resource for all music students. Faculty ensembles such as the Faculty Chamber Players and the Faculty Jazz Combo provide an important musical contribution to campus and Tampa area cultural life, and many music faculty perform in professional music ensembles across west central Florida.

STUDENT ORGANIZATIONS
The Music organizations of Sigma Alpha Iota, Phi Mu Alpha Sinfonia, and Pi Kappa Lambda, the honorary music organization, maintain active chapters in the School of Music. Additionally, chapters of the College Music Educators National Conference, American Choral Directors Association, Kappa Kappa Psi Band Fraternity and the International Association of Jazz Educators provide an important liaison with other professional musicians and teachers.

Financial Aid
A significant number of students studying in the School of Music qualify for some degree of financial assistance. Financial aid is offered on the basis of talent, academic potential, and need. Students awarded financial assistance from the School of Music need not pursue a degree in music, but must follow specific guidelines concerning the awarding of monetary assistance. These guidelines are available from the Director of the School of Music. Write to the School of Music for specific dates each year. In addition to general university and School of Music scholarships, there are a number of donated awards. Among these are the Dawn Zimmerman Flute Scholarship, Mary Corey Bogdonas Scholarship, Steve Penovich Scholarship, Marjorie Roe Cello Scholarship, Zbar Piano Award, and the Virginia A. Bridges Music Education Award.

Visiting Scholars, Artists, and Artists-in-Residence
The School of Music utilizes guest composers, conductors, and performing musicians to enhance its offerings in terms of teaching faculty, forum appearances, and the conducting of musical programs, symposia, and clinics. Some prominent musicians and scholars who have appeared in the past are: Nelly Damoio Jou, Oily Wilson, Randall Thompson, Quanbert String Quartet, Virgil Thompson, Beaux Arts Trio, Walter Trawler, Boris Goldovsky, Fred Hemke, Gregg Smith, Lukas Foss, Norman Luboff, Maurice Andre, Phil Woods, Jean Pierre Rampal, David Baker, Adele Adkins, John Cage, Byron Janis, Karel Husa, Louis Bellson, Leslie Bassett, David Samuels, Samuel Adler, Gunther Schuller, Ransom Wilson, Robert Merrill, T. J. Anderson, Doc Severinsen, Hale Smith, Bethany Beardsele, George Russell, Robert Shaw, Art Blakey, Toshiko Akiyoshi, Andre Watts, Christopher Hogwood, Howard Gardner, Edwin Gordon, Peter Webster, Bennett Reimer, David Elliott, Elliot Eisner, Doreen Rao, Jo-Michael Scheibe, and La Camerata Romeu.

THEATRE (TAR)
The School of Theatre & Dance is fully accredited by the National Association of Schools of Theatre (NAST). Through its curriculum and production program, Theatre offers seriously interested students the opportunity to prepare within a liberal arts atmosphere, for a professional career in the theatre or to continue their studies at the graduate level.

For over 30 years, our exclusively undergraduate program has prepared critically aware and skilled theatre practitioners. The school’s mission is to educate students in the art of theatre, to conduct original research, and to present challenging productions to the university and Tampa Bay communities.

Students may graduate with a broad based theatre arts degree, or they may specialize in performance or design. Courses are offered in area design (CAD), playwriting, stage combat, circus skills, musical theatre, and puppetry are among the many options available.

Special Features
1. The endowed British International Theatre Program (BRIT) brings five or more professional artists from the UK to work with upper level students for 6-8 weeks each spring semester.
2. The John W. Holloway endowed chair in theatre and dance provides funds annually for guest artist residencies.
3. USF’s Theatre program has a formal student Exchange Program with Middlesex University in London, England.
4. The School Honors Program allows small select groups of upper-division students to work on special projects with faculty and guest artists for up to one year.

Visiting Artists and Artists-in-Residence
TheatreUSF actively promotes guest on campus. A representative list of artists from the last ten years includes Maria Aitken, Peter Barkworth, Bill Bryden, Daniel Chumley, Russel Craig, Matthew Francis, George Fosher, Christopher Fry, John and Lisel Gale, Patrick Garland, Ronald Hanwood, Jeff Jones, Rachel Kavnaugh, Sam Mendes, Bob Moody, Eric Overmyer, Louise Page, Estelle Parsons, Olga Petrovna, Roni Pinkowitch, Denis Quilley, Gerlind Reinschagen, 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, 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 Spoletto Festival, Yale Repertory Theatre, and Habimah Theatre in Israel.

Requirements for the B.A. Degree with a Major in Theatre
Prerequisites (State Mandated Common Prerequisites)
For students transferring from a Community College: Students are encouraged to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the courses below recommended.

Students need not have completed a concentration of courses in theatre in order to consider a Theatre major at USF. However, admission to upper-level Theatre Performance program is by audition and admission to the upper-level Design sequence is by portfolio review. If the student does not succeed in passing the audition or portfolio review certain Theatre program requirements may have to be repeated until successful completion of the audition or portfolio review can be achieved.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. A “C” average in the major is required for graduation.

If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

THE 2000 Introduction to the Theatre

TPA 1290 Production Involvement, 1 semester hour
or THE X925, 1 semester hour
TPA 2200 Introduction to Technical Theatre I, 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 TPP 2210, 3 semester hours
PLUS nine hours of any combination of THE, TPA and TPP courses.

The students may choose one of three areas for the B.A. degree: Performance, Design or Theatre Arts. 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)
TPA 2291 Intro to Technical Theatre II       (3)
TPA 2291L Intro to Technical Theatre Lab II       (1)

Second Year (8 hours)
THE 2305 Script Analysis       (3)
Choice of:
THE 3110 Theatre History I -XMW or (3)
THE 3111 Theatre History II -XMW and (3)
TPA 2292 Production Involvement I       (1)
TPP 2190 Studio Theatre Performance I       (1)

Third Year (8 hours)
Choice of one Literature of the Stage (LS):
THE 4330 Shakespeare for the Theatre -6A -XMW -XLW (3)
THE 4360 19th Century Theatre Revolution -6A -XLW-XMW (3)
THE 4401 O’Neill and After -6A -XMW-XLMW (3)
THE 4435 Theatre of Pluralism -6A -XMW-XLMW (3)
THE 4442 Comedy of Classic & Neoclassic Stage -6A -XLW-XMW (3)
THE 4480 Drama Special Topics (3)
AND
Choice of one Theatre Historical Studies (TS):
THE 3110 Theatre History I -XMW (3)
THE 3111 Theatre History II -XMW (3)
THE 4320 Theatre of Myth and Ritual -6A -XMW-XLMW (3)
THE 4180 Theatre Origins -6A -XMW-XLMW (3)
THE 4434 Caribbean Theatre -6A -XMW-XLMW (3)
Note: By prior agreement between the director and instructor the Honors sequence in its entirety (THE 4593, 4594, 4595) may substitute for “Literature of the Stage (LS)” or “Theatre Historical Studies (TS)”
TPA 4293 Production Involvement II       (1)
TPP 4193 Studio Performance II       (1)

Fourth Year (3 hours)
Choice of either:
THE 4180 Theatre Origins -6A -XMW-XLMW (3)
OR
THE 4562 Contemporary Performance Theory -6A -XMW-XLMW (3)
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.

REQUISITED COURSES FOR AREAS OF STUDY IN THEATRE

Performance Area (BA Degree)
General Education: 36
Language: 8-10
Exit Courses: 9
Fine Arts (Non-Theatre): 6
Theatre Core: 33
92-94

TPP 3920 Acting Studio I 8
TPP 3921 Acting Studio II 8
Additional TPP Courses 9
Free Electives 2

Total Hours 26-28

Design Concentration (BA Degree)
General Education: 36
Language: 8-10
Exit Courses: 9
Fine Arts (Non-Theatre): 6
Theatre Core: 33
92-94

TPA 3007 Introduction to Design I 3
TPA 3008 Introduction to Design II 3
TPA 3208 Drafting and CAD I 3

Total Hours 120

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
Free Electives 2-4

Total Hours 26-28

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 & CAD I 3

Total Hours 120

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

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
94
TPP Courses: 3
THE; TPA; TPP Courses: 18
(9 must be at upper level)
Free Electives: 5-7
26-28
Total Hours: 120

Requirements for a Minor in Theatre

THE 2020 Introduction to Theatre: 3
TPP 2110 Voice and Body Improvisation: 3
TPP 2190 Studio Theatre Performance I: 1
TPA 2292 Production Involvement I: 1
TPA 2200 Intro to Technical Theatre I: 3
TPA 2290L Intro to Technical Theatre Lab I: 1
TPA 2291 Intro to Technical Theatre II: 3
TPA 2291L 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 School of Theatre & Dance.

SPECIAL PROGRAMS

Honors Program
The Honors Program is available to upper level majors 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 director 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, writing and musical theatre.

VISUAL & PERFORMING ARTS

ART AND ART HISTORY


MUSIC


MUSIC EDUCATION

Director: C. P. Doane; Professor Emeriti: V. A. Bridges; Professors Emeriti: V. A. Bridges, J. Heller, M. Rearick; Professors: C. P. Doane, J. W. Richmond; Associate Professors: J. L. S. Moore; Assistant Professor: D. A. Williams, S. Woodward.

THEATRE AND DANCE

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.

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<td>The abbreviation &quot;var.&quot; also indicates variable credit</td>
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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

**LW** Course fulfills part of the Liberal Arts Exit Requirement for Literature and Writing

**MW** 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
- Africana 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: Visual and Performing Arts
- Art Education: Visual and Performing 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: Visual and Performing 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: Visual and Performing 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: Undergraduate Studies
- Information Technology: Arts and Sciences
- Interdisciplinary Studies: Arts and Sciences
- International Studies: Arts and Sciences
- Italian (Language): Arts and Sciences
- Japanese (Language): Arts and Sciences
- Languages: Arts and Sciences
- Latin (Classics): Arts and Sciences
- Liberal Studies: Arts and Sciences
- Library & Information Science: Arts and Sciences
- Linguistics: Arts and Sciences
- Management: Business Administration
- Marine Science: Arts and Sciences
- Marketing: Business Administration
- Mass Communications: Arts and Sciences
- Mathematics: Education
- Mathematics Education: Arts and Sciences
- Measurement and Research: Education
- Mechanical Engineering: Engineering
- Medical Technology: Arts and Sciences
- Military Science (Army ROTC): University-wide Courses
- Music: Visual and Performing Arts
- Music Education: Visual and Performing Arts
- Naval Science (Navy ROTC): University-wide Courses
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In science and other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is offered by the receiving institution and is identified by the same prefix and last three digits at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 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 to native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed which have not been designated as equivalent. Sometimes, as in Chemistry, a sequence of one or more courses must be completed at the same institution in order for the courses to be transferable to another institution, even if the course prefix and numbers are the same. This information is contained in the individual SCNS course equivalency profiles for each course in the sequence.

Course Prefix: The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

Authority for Acceptance of Equivalent Courses: State Board of Education Rule 6A-10.024(17), Florida Administrative Code, reads:

When a student transfers among institutions that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be equivalent to courses offered at the receiving institution and are entered in the course numbering system. Credit so awarded can be used by transfer students to satisfy requirements in these institutions on the same basis as native students.

Exceptions to the General Rule for Equivalency: The following courses are exceptions to the general rule for course equivalencies and may not be transferable.

A. Courses in the _900-_999 series (e.g., ART 2905)  
B. Internships, practica, clinical experiences, and study abroad courses  
C. Performance or studio courses in Art, Dance, Theater, and Music  
D. Skills courses in Criminal Justice  
E. Graduate courses  
F. Courses not offered by the receiving institution  
G. 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, K-16 Articulation, 401 Tulington Building, 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
UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG

College and Department Codes

Architecture (AR)
ARC Architecture and Community Design

Arts and Sciences (AS)
AFA Africana Studies
AMS American Studies
ANT Anthropology
AST Astronomy
BIO Biology
BIS Bachelor of Independent Studies
CEL Community Experimental Learning
CHM Chemistry
CJP Criminology
COM Communication Sciences and Disorders
ENG English
ESP Environmental Science and Policy
GEO Geography
HUM Humanities
IAS Interdisciplinary Arts and Sciences
INT International Studies
ISS Interdisciplinary Social Sciences
LIS Library and Information Science
MML Modern Languages and Linguistics
MSC Marine Science
MTH Mathematics
PAD Mathematics
PHI Philosophy
POL Political Science
PSY Psychology
REH Rehabilitation Counseling
REL Religious Studies
SOC Sociology
SOK Social Work
SPE Communication
WST Women's Studies
WLE World Language Education

Business Administration (BA)

ACC Accounting
ecn Economics
FIN Finance
GBA General Business Administration
MAN Management
MBA Business Administration
MKT Marketing
QMB Information Systems and Decision Sciences

Education (ED)

EDA Art Education
EDB Educational Leadership
EDC Curriculum
EDE Elementary Education
EDF Psychological and Social Foundations
EDG Counselor Education
EDH Junior College Education
EDI Secondary Education - General
EDJ Physical Education - Elective
EDK Computer Education
EDM Middle Grades Education
EDN Science Education
EDO Mathematics Education
EDP Physical Education - Professional
EDQ Measurement-Research
EDR Reading Education
EDS Special Education
EDT English Education and Speech Communication
EDU Early Childhood Education
EDV Industrial/Technical Education
EDW Social Science Education
EDX Foreign Language Education

Engineering (EN)
ECH Chemical Engineering

Honors College (HC)

Honors College

Medicine (ME)

MSG Medical Sciences

Nursing (NU)

NUR Nursing

Public Health (PH)

CFH Community and Family Health
EIH Environmental and Occupational Health
EPB Epidemiology and Biostatistics
HPM Health Policy and Management
PHC Public Health

Undergraduate Studies (US)

AFR Aerospace Studies - Air Force ROTC
COE Cooperative Education
EIT Bachelor of Information Technology
MIS Military Science - Army ROTC
NVY Naval Science - Navy ROTC
STL Student Learning Development

Visual and Performing Arts (VP)

ART Art and Art History
DAN Dance
EDD Theatre Education
FAI Interdisciplinary Fine Arts
MUS Music/Music Education
TAR Theatre

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. Not available for credit for Business majors. 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. 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 with a grade of "C" or better (not C-). 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 3074 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.
ADV 3401 Accounting Information Systems (3) BA ACC
PR: ACG 2101 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 the collection, processing, and reporting of accounting information.

ADV 4123 Intermediate Financial Accounting III (3) BA ACC
PR: ACG 3113 with a grade of "C" or better (not C-). Theory and practice underlying revenue recognition, income tax allocations, leases, post-retirement benefits, error analysis, statement of cash flows, full disclosure, and other current accounting topics.

ADV 4351 Cost Accounting And Control II (3) BA ACC
PR: ACG 3351 with a grade of "C" or better (not C-). Application of the material covered in ACG 3341 with specific emphasis on cost allocations, performance measurements, analysis of current cost accounting systems and accounting in today’s environment (giving consideration to the influences of the international environment).

AGC 4621 Computer Control and Audit (3) BA ACC
PR: ISM 3113. Students who complete this course will not receive credit for ISM 4320 or ACG 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 environments.

AGC 4632 Auditing I (3) BA ACC
PR: ACG 3113 and ACG 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: ACG 4632 with a grade of "C" or better (not C-). Further development of material covered in ACG 4632, with special emphasis on additional reporting topics and audit techniques not previously addressed.

AGC 4901 Independent Study (1-3) BA ACC
PR: Consent of Director. S/U only. Specialized independent study determined by the students’ needs and interests.

AGC 4910 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: The course content will depend on student demand and instructor’s interest.

AGC 5201 Advanced Financial Accounting IV (3) BA ACC
PR: ACG 4123 Accounting for business combinations, preparation of consolidated financial statements, home office/branch relationships, foreign operations and transactions, partnerships.

AGC 5505 Governmental/Not-For-Profit Accounting (3) BA ACC
PR: ACG 3314, ACG 4832, CR: ACG 4632. The objective of Internal and Operational Auditing is to provide students with an opportunity to learn about the theory and practice of internal and operational auditing and to apply relevant audit principles and techniques to selected audit problems.

AGC 5935 Selected Topics in Accounting (1-4) BA ACC
PR: Consent of Director. To allow advanced undergraduate students and graduate students to research and study contemporary and emerging topics in the field. Rpt. To 6 hours.

ADE 4384 Working With the Adult Learner (3) ED EDV
An investigation of the needs of the adult learner. Identification of principles of adult learning; physiological, psychological, and social characteristics of adults, 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 expressive 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 exercise in preparation of advertising copy, exposure to newspaper, magazine, 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, and basic production concepts.

ADV 3200 Advertising Design (3) AS COM
PR: ADV 3000 (for advertising sequence majors) or VIC 3001 (for other Mass Comm majors). Application of graphic design principles to various areas of advertising. Combining visual and verbal elements effectively.

ADV 3300 Advertising Media Strategy (3) AS COM
PR: ADV 3000 and ADV 3101. A study of retail advertising, including management decisions, processes, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4600 Advertising Management (3) AS COM
PR: ADV 3000, ADV 3101, ADV 3300. Application of analytical planning concepts to advertising planning and decision-making. Case study method used to explore advertising and promotional programs; media and creative strategies; consumer, retail, industrial, and public service applications.

ADV 4800 Advertising Campaigns (3) AS COM
PR: ADV 3001, ADV 3300, ADV 3501, ECO 1000, and MAR 4023. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules.

ADV 4940 Advertising Practicum (1-3) 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 study.

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 AFA
This course examines the institution of enslavement in North, South, and Central America, and the Caribbean. It takes an interdisciplinary approach in exploring the social, political, and economic underpinnings of slavery.

AFA 4313 Black English -6A SS AF (3) AS AFA
PR: Junior or Senior standing. This course focuses on linguistic patterns among African Americans in the U.S., South and Central America, and the Caribbean. It examines language in relation to issues of domination, social stratification, economics and political empowerment.

AFA 4333 Social Institutions and the African-American Community (3) AS AFA
A study of social institutions as they relate to the African-American Community, with emphasis on social systems operating within and on the African-American community.

AFA 4335 Black Women in America -6A MW (3) AS AFA
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience.

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.
AFR 3220 Air Force Leadership and Management - I (3) US AFR
Introduction to the Air Force in the contemporary world through a study of its total force structure and mission.

AFR 1120 The Air Force Today: Structure And Roles (1) US AFR
A study of the strategic offensive and defensive forces, general purpose forces, and aerospace support forces that make up the Air Force of today.

AFR 2000 Enhanced Physical Fitness Training (0) US AFR
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 Air Force ROTC Leadership Laboratory (0) US AFR
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 The Evolution of USAF Aerospace Power Part I (1) US AFR
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 2140 The Evolution of USAF Aerospace Power Part II (1) US AFR

AFR 3220 Air Force Leadership and Management - I (3) US AFR
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 and US AFR
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, organizational power, politics, and managerial strategy and tactics are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

AFR 4211 National Security Affairs & Preparation for Active Duty Part 1 (3) US AFR
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 they are 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 4212 National Security Affairs & Preparation for Active Duty Part 2 (3) US AFR
CR: AFR 2000, AFR 2001. A continuation of the study of the Armed Forces in contemporary American society. Concentration is on the requisites for maintaining adequate national security forces, political, economic, and international developments, and their relationship to civil-military structure; the impact of technological and international developments on strategic preparedness; the variables involved in the formulation and implementation of national security policy; and relations between and among the national branches of the Air Force, depending on the requirements of the moment. AFR 2250 Culture and Society in Africa -6A AF (3) AFA
Topics include: African religion, value systems, art and the aesthetics, family and life-cycle, impact of Islam and Christianity and conflict of cultures.

AFS 3251 Environmental - Cultural Study in Africa -6A LW (3) AS AFA
PR: AFS 2250 or CI. Study tour. A study of traditional African society and culture, the relationship between life and the environment, and the impact of modernization on the culture and the environment.

AFS 3401 The African Diaspora: Blacks in the Construction of the Americas -MW (3) AS AFA
This course will examine the historical and geographical distribution of Africans in the diaspora and the political economic roles they have played in the development of the Western world, with a focus on the Americans. The course takes an interdisciplinary approach. The course is not restricted to majors and is not repeatable for credit.

AMH 2010 American History I -HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from European origins to 1877.

AMH 2020 American History II -HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from 1877 to present.

AMH 3100 American Colonial History to 1750 (4) AS HTY
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 HTY
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalty, violence, and slavery in American society from 1750-1788.

AMH 3140 The Age of Jefferson (4) AS HTY
A comprehensive study of American society and political culture from 1789-1828. Focuses on ethnic trends, party systems, expansionism, Indian policy, labor, and ethno-cultural conflicts.

AMH 3160 The Age of Jackson (4) AS HTY
The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activity in the antebellum era.

AMH 3170 The Civil War and Reconstruction (4) AS HTY
An examination of political, social, and economic climate of the 1850’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 HTY
A study of America from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations, and imperialism. It is not repeatable for credit.

AMH 3231 The United States, 1914-1945 (4) AS HTY
The United States from World War I to the World War II. Covering political, social and international developments, the course examines the lives of Americans, including minority and women, during war, prosperity, and the Great Depression.

AMH 3270 The United States Since 1945 (4) AS HTY
A study of America’s role in the Cold War, in Vietnam, and in the post-Cold War era. Also examines domestic developments, such as the consumer culture, protest movements, and abuses of political power.

AMH 3403 The South since 1865 (4) AS HTY
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations,
demagoguery and disfranchisement, Southern women, and the Civil Rights Movement.

AML 3421 Early Florida (4) AS HTY
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; and the emergence of Florida within the regional setting.

AML 3423 Modern Florida (4) AS HTY
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

AML 3500 American Labor History (4) AS HTY
A study of American workers from the colonial period to the present. Examines the changing nature of work, its effects on workers (including minority and women), and their responses as expressed in strikes, unions, and political action.

AML 3510 U.S. Diplomatic History to 1898 -6A (4) AS HTY
The development of American Foreign Relations in the Agricultural era.

AML 3511 U.S. Diplomatic History in the 20th Century (4) AS HTY
A history of American Foreign Relations in the Industrial era.

AML 3530 Immigration History (4) AS HTY
A study of the composition and character of the “American” people with emphasis on the period from 1840s to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world’s social, economic and political conditions.

AML 3540 United States Military History (4) AS HTY
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

AML 3545 War and American Empire (4) AS HTY
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and empire from the Revolution through Viet Nam.

AML 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.

AML 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.

AML 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.

AML 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 Rights Movement.

AML 3031 American Literature From the Beginnings to 1860 (3) AS ENG
A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.

AML 3032 American Literature From 1860 to 1912 (3) AS ENG
A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.

AML 3051 American Literature From 1912-1945 (3) AS ENG
A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.

AML 3453 Historical Perspectives in Early American Literature - HP (3) AS ENG
Examines American literature from the Colonial Period to the Civil War as a manifestation of geographic, political, social, and intellectual forces. Will not be counted toward the English major.

AML 3604 African American Literature -6A LW (3) AS ENG
A study of African American literature from the nineteenth century to the present, including the works of such writers as W.E.B. DuBois, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni.

AML 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 4212 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, Hallman, McCullers, O’Connor, Warren, Styron, Tate, Davidson, and Dickey.

AML 4320 Zora Neale Hurston: Major Works -6A LW LW (3) AS AFA
PR: Junior or Senior standing. The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and women’s writer. It examines the social, historical, artistic, political, economic, and spiritual lives of African American women in the context of a global community.

AML 4330 Selected American Authors (3) AS ENG
The study of two or three related major authors in American literature. The course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be taken twice for credit with different topics.

AML 4624 Black Women Writers -6A LW (3) AS AFA
Black women writers; the context of literature; women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of African women in the 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 3001 American Culture 1880-1915 -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 writing and other pertinent materials dealing with selected American regions. Topic varies.

AMS 3230 America During the 20s and 30s (4) AS AMS
Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.

AMS 3260 American Culture, 1830-1860 -6A HP (4) AS AMS
Examines the patterns of American culture in the years leading up to the Civil War. Includes religion and social reform, race relations, and the impact of industrialization.

AMS 3370 Southern Women: Myth and Reality -6A HP (3) AS AMS
This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history.

AMS 3601 Material Culture and American Society -SS HP (3) AS AMS
By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from the 17th century to the 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 overview of American society, its history, and its identity. Topics include urban, rural, and ethnic communities, as well as the impact of racism and the African-American experience.

AMS 3930 Selected Topics in American Studies (1-4) AS AMS
Offerings include Cultural Geography of America, America Through Foreign Eyes, and The Female Hero in American Culture.
AMS 4152 Film in American Culture (3) AS AMS
Summarizes the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, actor, cinematographer, or period of time.

AMS 4804 Major Ideas in America -MW(3) AS AMS
Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, urbanization, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies.

AMS 4910 Individual Research (1-4) AS AMS
The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.

AMS 4930 Selected Topics in American Studies (1-4) AS AMS
A structured, out-of-class learning experience designed to provide first-hand, practical training in careers related to American Studies.

ANG 5091 Directed Reading (1-4) AS ANT
PR: DPR. Individual guidance in concentrated reading on a selected topic in Anthropology. Contract required prior to registration.

ANG 5910 Individual Research (2-4) AS ANT
PR: DPR. Contract required prior to registration. S/U. Individual guidance in selected research project.

ANG 5937 Seminar in Anthropology (2-4) AS ANT
PR: Senior or GS. Topics to be chosen by students and instructor.

ANT 1149 Fantastic Archaeology: Mysteries of the Human Past (3) AS ANT
Not for major credit. Mysteries of the human past, including the lost Continent of Atlantis, Ancient Astronauts, the "Myth" of the Moundbuilders, and the Shroud of Turin will be discussed in detail. The practice of archaeology and how we know about the past will also be presented, and skills in critical thinking will be emphasized.

ANT 2000 Introduction to Anthropology -SS AF (3) AS ANT
The cross-cultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: 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 cross-cultural study of peoples living in the world today, be they tribal, peasant, or urban societies).

ANT 2451 Cultural Anthropology -SS AF (3) AS ANT
PR: ANT 2000 or DPR. Discussion of major methods and orientations to the cross-cultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

ANT 2511 Biological Anthropology -NS (3) AS ANT
PR: ANT 2000 or DPR. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized.

ANT 3005 The Anthropological Perspective -AF (3) AS ANT
For non-anthronomy majors only. Major concepts and major contributions 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: ANT 2000 or DPR. The cross-cultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

ANT 3610 Anthropological Linguistics -SS (3) AS ANT
PR: ANT 2000 or DPR. The 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 18th century to the 20th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

ANT 4122 Old World Archaeology (3) AS ANT
PR: ANT 3101 or DPR. The archaeology of Europe, Asia and Africa, from the earliest humans through the emergence of state-level societies in many parts of the Old World. The course will focus on comparative study of economic, social, political, and religious organization in the prehistoric Near East, Egypt, China, the Aegean, Europe and Africa.

ANT 4143 European Archaeology (3) AS ANT
PR: ANT 3101 or DPR. The archaeology of Europe, from the first Palaeolithic inhabitants to the fall of Roman civilization. The course will focus on ancient material culture while emphasizing social and economic questions such as the emergence of modern humans, the adoption of agriculture, the development of complex societies, and the rise of civilization.

ANT 4147 Environmental Archaeology (3) AS ANT
PR: ANT 3101 or DPR. This course examines environmental constraints on ancient human societies, and how human activities have impacted the environment in the last several thousand years. Presentation of the methods used to reconstruct prehistoric environments will be followed by case studies from Florida, Central and South America, Easter Island, the Mediterranean and the Near East.

ANT 4153 North American Archaeology (3) AS ANT
PR: ANT 3101 or DPR. 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 comparative study of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 Florida Archaeology (4) AS ANT
PR: ANT 3101, DPR. History and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indians) through the elaborate Weeden Island and Safety Harbor burial and temple mound cultures to the Spanish entrada and consequences of European conquest. Review of temporal and spatial relationships within the entire eastern U.S. and elsewhere. May be part of a summer (or other semester) field school, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4163 Mesoamerican Archaeology (3) AS ANT
PR: ANT 3101 or DPR. The chronological sequence from its beginnings through Protostat period development is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4165 South American Archaeology (3) AS ANT
PR: ANT 3101 or DPR. The archaeology of South America, from the earliest humans through the emergence of state-level societies in many parts of the New World. The course will focus on comparative study of economic, social, political, and religious organization in the prehistoric Andes and Diaguitas of the Inca, Chavin, Mochica, Wari, Chimu are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4172 Historical Archaeology -SA (3) AS ANT
PR: ANT 3101 or DPR. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classroom.

ANT 4180 Laboratory Methods in Archaeology (2-4) AS ANT
PR: ANT 3101. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, mapmaking, etc. May be offered as part of a summer (or other semester) field school. May be combined with Field Methods in Archaeology and Field Research in Archaeology.

ANT 4181 Museum Methods (4) AS ANT
PR: ANT 3101 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 4183C Archaeological Science (4) AS ANT
PR: ANT 3101 or DPR. 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 4231 Folklore -6A (3) AS ANT
PR: ANT 2410 or DPR. Focuses on cross-cultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American traditions will be discussed. Ritual behavior, medicine, therapeutics, and other cultural practices and symbols of belief will be considered in light of their impact on the social, political or economic aspects of people's lives.

ANT 4241 Magic and Religion -6A MW (3) AS ANT
PR: ANT 2410 or DPR. The cross-cultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, medicine, therapeutics, and other cultural practices and symbols of belief will be considered in light of their impact on the social, political or economic aspects of people's lives.

ANT 4302 Gender in Cross-Cultural Perspective -MW (3) AS ANT
PR: ANT 2410 or DPR. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today.

ANT 4312 North American Indians -3 AS ANT
PR: ANT 2410 or DPR. An examination of the evidence for the origin and antiquity of human beings in North America and patterns of regional development until the period of contact with European colonists. Emphasis on ecological adaptation, social, political and religious systems, encountered and worldview, folklore and visual art.

ANT 4316 Ethnic Diversity in the United States -MW (3) AS ANT
PR: ANT 2410 or DPR. Special concern is for ethnic diversity in American society, historical and contemporary diversity in values, experiences, and lifestyles, and an examination of policies and problems affecting ethnic groups in the United States.

ANT 4323 Mexico and Central America -3 AS ANT
PR: ANT 2410 or DPR. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 The Caribbean -6A MW (3) AS ANT
PR: ANT 2410 or DPR. Main themes include: the depopulation of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethnic heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4390 Visual Anthropology -3 AS ANT
PR: ANT 2410 or DPR. The use of photographic techniques for the cross-cultural recording and analysis of human activities. Study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the goal of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4401 Exploring Cross-Cultural Diversity -MW (3) AS ANT
For non-Anthropology majors only. This course will introduce students to anthropological perspectives which are useful in understanding the implications of cultural diversity related to changing demographic patterns within our country as well as to increasing globalization.

ANT 4422 The Individual and Culture -6A MW (3) AS ANT
PR: ANT 2410 or DPR. The relationship between the individual and society is studied cross-culturally. Main themes include child-rearing practices, psychosomatic illness and curing. Discussion of current models of personality development with special reference to their applicability to the emerging field of cross-cultural mental health planning.

ANT 4442 Urban Life and Culture (3) AS ANT
PR: ANT 2410 or DPR. Cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.

ANT 4462 Health, Illness, and Culture (3) AS ANT
PR: ANT 2410 or DPR. The study of health and human behavior in cross-cultural perspective. Main themes include: the impact of disease on the development of human culture; 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: DPR. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formulation, and selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4520 Forensic Anthropology (3) AS ANT
PR: ANT 2511 or DPR. A detailed overview of forensic anthropology, skeletal variation, techniques of determining sex, age, population affiliation, aspects of osteological individuality and identification, methods of osteological analysis. Open to majors/minors only.

ANT 4586 Prehistoric Human Evolution -NS (3) AS ANT
PR: ANT 2511 or DPR. A survey of the fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human lineage. Biocultural patterns and cultures of the past are also covered.

ANT 4587 Human Variation (3) AS ANT
PR: ANT 2511 or DPR. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

ANT 4620 Language and Culture -6A (3) AS ANT
PR: ANT 3610 or DPR. Examines the relationships between language and culture in cross-cultural perspective. Explores the extent to which languages express the worldviews of their speakers. Emphasis on the nature and degree of fit between linguistics and other cultural systems of knowledge.

ANT 4701 Applied Anthropometry (3) AS ANT
PR: ANT 2410 or DPR. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues in United States society. Discussion of the historical development of applied anthropometry, problems of demographic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 Language and Social Interaction -6A (3) AS ANT
PR: ANT 3610 or DPR. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the cross-cultural description and analysis of patterns of communication in ethnographic contexts.

ANT 4824 Archaeological Field Methods (4-12) AS ANT
PR: ANT 3101, DPR. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Archaeology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recovery, recording, and processing.

ANT 4901 Directed Reading (1-4) AS ANT

ANT 4905 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: DPR. Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored.

ANT 4932 Honors Seminar (4) AS ANT
PR: Admission to the honors program in anthropology and DPR. Seminar designed to provide the honors student with an opportunity to present, discuss and defend his/her own research and to explore in-depth topics in several areas of anthropology.

ANT 4935 Rethinking Anthropology -6A (3) AS ANT
PR: ANT 2410 or DPR. The study of current images of anthropology. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate new approaches to the study of anthropology.

ANT 4970 Honors Thesis (3) AS ANT
PR: Admission to the honors program, completion of the honors seminar and DPR. S/U only. The student under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology.

ARA 1120 Modern Arabic I (4) AS WLE
CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.
architectural design. Emphasis is placed on developing an understanding of architectural elements and their importance. Students will learn the work of significant architects and use it as a basis for design exploration. Graphic documentation, diagramming, and model studies are stressed.

ARC 5363 Core Design III (6) AR ARC
PR: ARC 5362, ARC 5689. Study of the various phases of the building delivery and design process, and of different approaches to ordering that process in a systematic fashion. The student will use one such systematic approach in the integration and development of design solutions for a project of moderate scale and complexity. Studies of built form ordering principles, mass/void relationships, scale and proportion, color, texture, contextual relationships, meaning/imagy, and building technology (awareness of structural organization, services networks, construction processes and materials). Aspects of human behavior as design determinants.

ARC 5467 Materials and Methods of Construction (4) AR ARC
PR: ARC 5470, CC. Overview of properties of primary materials and construction systems which comprise building structure and enclosure. Emphasis on interface and connection of elements and assemblies, relative to climate, assembly processes, costs, codes, and craftsmanship. Lab sessions include field trips to manufacturing facilities, construction sites, and preparation of drawings and models of assemblies.

ARC 5470 Introduction to Technology (3) AR ARC
Introduction to architectural technology, including structures, materials and methods of construction, and environmental controls. Overview of building systems and components and their integration into architectural design projects.

ARC 5587 Structures I (3) AR ARC
PR: CC. Introduction to the application of computer technology in construction material. Emphasis is placed on the use of computer graphics, computer aided design and drafting. Students will learn the basics of digital design and drafting, including the use of computer-aided design software for architectural projects. The course will also cover the fundamentals of computer-aided engineering, focusing on the use of computer-aided design software for structural engineering and civil engineering projects.
ARE 3044 Experiential Basis of Artistic Mind (3) VP ART
Designed to awaken the language of image and metaphor, with emphasis on the internal and expressive aspects of art as well as their application in the schools and the community.

ARE 3354 Art Teaching Strategies I (3) VP ART
PR: ARE 3044. A combination of theoretical philosophy and practice in both public and private learning centers to provide the student with a variety of teaching concepts and media exploration in art education and to further enable the student to understand stages of young people, three to eighteen.

ARE 4037 Senior Seminar in Art Education (2) VP ART

ARE 4112 Education Through Crafts (3) VP ART
An in-depth study of arts and craft media for children. Emphasis will be placed on innovative use of new materials and curriculum in school restructuring.

ARE 4313 Art For the Child and You (2) VP ART
Art and the intellectual, creative, emotional, and aesthetic growth of children.

ARE 4440 Art Teaching Strategies II (3) VP ART
Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

ARE 4443 Crafts Workshop in Art Education (3) VP ART
PR: ARE 3044. The study and practice of processes and media involved with the exploration and expression of cultural traditions and individual ideas through crafts.

ARE 4642 Community Arts (3) VP ART
PR: ARE 3044. Explores the arts as infrastructure through identification, exploration and experimentation of unique community spaces, populations and new environments for learning in the arts.

ARE 4909 Directed Study: Art Education (1-3) VP 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) VP 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 distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

ARH 2050 History of Visual Arts I -HP FA (3) VP ART
PR: DPR. 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 2470 History of Visual Arts II -FA (3) VP ART
PR: DPR. 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 -HF FA (4) VP ART
An expanded introductory treatment of basic concepts. For non-art majors.

ARH 3275 Contemporary Issues in Art -HF FA MW (4) VP ART
PR: DPR. 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 4115 Ancient Egyptian and Near Eastern Art (4) VP ART
PR: ARH 2050 recommended but not required. A study of the art and cultures of ancient Egypt and the Near East, from the prehistoric period through the conquests of Alexander the Great.

ARH 4130 Greek Art (4) VP ART
PR: ARH 2050 or EUIH 2011 recommended but not required. A comprehensive overview of ancient Greek sculpture, painting, architecture, and other artistic media from the Bronze Age through the Hellenistic period.

ARH 4171 Roman Art (4) VP ART
PR: ARH 2050 or EUIH 2011 recommended but not required. A comprehensive study of ancient Roman sculpture, painting, architecture, and other artistic media from the founding of Rome through the reign of Constantine.

ARH 4200 Medieval Art (4) VP ART
PR: DPR. A comprehensive study of early Christian, Byzantine and Medieval painting, sculpture, architecture and manuscript illumination.

ARH 4391 Renaissance Art (4) VP ART
PR: DPR. A comprehensive study of Renaissance and Mannerist painting, sculpture and architecture in Italy and Northern Europe.

ARH 4318 Venetian Art (4) VP ART
PR: DPR. Major movements of Venetian art are examined to elucidate the importance of Venice as the crossroads of cultural exchange between Islam, Byzantium, and the West, and the importance of Venetian art to the history of art and art criticism.

ARH 4330 Baroque and After (4) VP ART
PR: DPR. 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 (4) VP ART
PR: DPR. 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) VP ART
PR: DPR. 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) VP ART
PR: DPR. The course explores art in which political themes are considered to be the source and determinant of aesthetic decisions. The dominant iconographic theme is the iconography of revolution, rebellion, and other forms of political struggle in 20th Century art and film.

ARH 4520 African Art (4) VP ART
PR: DPR. A combination of survey, comparative study and in-depth analysis of African sculpture, mainly from West and Central Africa. Emphasis on diversity of forms and contexts, functions, symbolism and meanings.

ARH 4547 Buddhist Art (4) VP ART
PR: DPR. This course examines one important aspect of Asian artistic production. Buddhist Art begins in India and travels via the Himalayas and Southeast Asia to East Asia. Touching on artistic expression of major principles and practices, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

ARH 4554 Japanese Prints (4) VP ART
PR: DPR. This course examines one important aspect of Asian artistic production. “Japanese Prints” concentrates on the period from 1615 to the present and distinguishes schools, styles, artists, subjects, patronage patterns, and technical matters. The role of prints within society and on Western art is examined throughout.

ARH 4557 Chinese Art (4) VP ART
PR: DPR. Chinese Art proceeds chronologically, from the Neolithic era up to the contemporary art world. The course considers cultural, linguistic, technical, philosophic, political and religious influences on the art works produced by this ancient society.

ARH 4710 History of Photography -6A MW (4) VP ART
PR: DPR. Comprehensive overview of the history of photography from its inception to the present day with an emphasis on the relationship of photography to the visual arts and popular culture.

ARH 4722 Graphicstudio/ History of Media: Printmaking (3) VP ART
The history of Western printmaking from the Middle Ages to contemporary times, with an emphasis on artmaking technology and research, cultural perspectives and theoretical/critical analytical capabilities. The course is open to majors and non-majors. It is not repeatable for credit.

ARH 4721C History of Printmaking -6A (3) VP ART
The history of Western printmaking from the Middle Ages to contemporary times, with an emphasis on artmaking technology and research, cultural perspectives and theoretical/critical analytical capabilities. The course is open to majors and non-majors. It is not repeatable for credit.

ARH 4725 History of Graphic Design (4) VP ART
This course surveys the design profession and the graphic design discipline. Students will explore graphic styles from the turn of the century to contemporary works, highlighting the innovations of influential designers throughout history.

ARH 4790 Selected Topics In The History of Film (4) VP ART
In-depth investigation of a selected period, development, or school in the history of cinema.

ARH 4792 Critical Studies In Art History -6A (4) VP ART
PR: DPR. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering.

ARH 4808 Paris Art Studio (4) VP ART
PR: ART 2201C or equivalent. This course will explore contemporary and historic Paris as a subject and source for artmaking, drawing upon a range of concepts and strategies that emphasize imaginative encounters with its space, streets, museums, architecture and people.
ARH 4892 Paris Art History (4) VP ART
PR: Minimum 8 hours of art history at the undergraduate level or equivalent. This course will explore issues central to the history and criticism of art through the rich visual culture of Paris. This course will include art and national identity, orientalism, avant-garde, and the role of the museum in the evolution of modern art.

ARH 4930 Art History: Selected Topics (2-4) VP ART
This course is designed as an introduction to the medium of experimental computer art. The course focuses on an interdisciplinary approach to electronic media while developing individual creative growth.

ART 3310C Intermediate Drawing (3) VP ART
This course is designed as an introduction to the medium of experimental computer art. The course focuses on an interdisciplinary approach to electronic media while developing individual creative growth.

ART 4223 Advanced Electronic Media (3) VP ART
PR: ART 2222 or DPR. Advanced exploration of issues and practices involved in the creation of experimental computer art.

ART 4225C Advanced Ceramics (3) VP ART
PR: ART 3222C. Continued studies and practices involved in the creation of experimental computer art.

ART 4320C Advanced Drawing (3) VP 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 4325C Advanced Printmaking (3) VP 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 4402C Advanced Printmaking (3) VP 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 prints. Repeatable.

ART 4520C Advanced Painting (3) VP ART
PR: ART 3222C. Continued studies and practices involved in the creation of experimental computer art.
ART 4703 Sculpture III (4) VP 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) VP ART
PR: All preparation courses plus one course in Studio Workshop I.

ART 4808 Paris Art Studio (3) VP ART
PR: ART 2201 or equivalent. This course will explore contemporary and historic Paris as a subject and source for artmaking, drawing upon a range of concepts and strategies that emphasize imaginative encounters with its space, streets, museums, architecture, and people.

ART 4900 Directed Reading (4) VP ART
PR: CI. Registration by contract only. A course of reading and study in an area of special concern governed by student demand, instructor interest and/or department requirements. Registration is by contract only. Repeatable.

ART 4905 Directed Study (1-4) VP ART
PR: CI, DPR. Registration by contract only. Independent studies in the various areas of Visual Arts. Course of study and credits must be assigned prior to registration. Repeatable.

ART 4925 Media Workshop: Design Production (3) VP ART
Restricted to majors. This upper level technology course will develop in-depth understanding of graphic software and print production techniques. Students will review software programs, file preparation requirements, and print production standards.

ART 4930 Selected Topics In Art (2-4) VP ART
PR: DPR. The content of this course will be determined by student demand and instructor interest. Open University offerings under this number may not be counted for degree credit for art majors. Repeatable.

ART 4940 Graphic Design: Internship (2) VP ART
Competitive portfolio may be required. Restricted to majors. On-site supervised work experience in an educational, graphic studio, advertising agency, or corporate environment.

ART 4955 Senior Projects (2-4) VP 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 B.A. Studio Arts majors. Independent study with professor. Student designed project to be completed before end of senior year. Art projects may include designs for community and public arts programs, installations, curatorial work, performance, a series of work developed within a particular studio discipline, etc.

ART 4955C Senior Project: Portfolio (3) VP ART
Restricted to majors. This course covers the organization and presentation of a design/advertising/graphic portfolio and appropriate related materials. Emphasis is upon portfolio development, professional presentation, and self-promotional skills.

ART 4970C Senior Thesis (2) VP ART
PR: DPR. 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, and is required of all B.F.A. candidates.

ART 4974 Graphic Design: Professional Practice (3) VP ART
Restricted to majors. Students fine-tune their portfolios, create self-promotional print and digital projects and develop their resumes. Includes field trips to studios, agencies, corporate graphic departments and marketing firms.

ART 5125C Ceramics (4) VP ART
PR: ART 2750C, DPR. Advanced problems in the various ceramic techniques. Emphasis on individual creative expression.

ART 5340C Drawing (4) VP ART
PR: ART 4520C, CI, DPR. Investigations into more complex intaglio processes including photoengraving and color printing procedures. Emphasis on personal conceptual development in graphic media. Repeatable.

ART 5472C Intaglio (4) VP ART

ART 5536C Painting (4) VP ART
PR: ART 3530C, DPR. Advanced problems in the various painting techniques. Emphasis on individual creative expression.

ART 5730C Sculpture (4) VP ART

ART 5910 Research (1-4) VP ART

ART 5936 Studio Techniques: Selected Projects (2) VP ART
PR: DPR. Concentration in specialized media or processes. Repeatable.

ASN 3012 Japan Today - SS (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3014 China Today - AF (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

ANN 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, anthropological, and sociological analysis in dealing with salient features and current problems.

ASN 3105 The Pacific Century - SS HP AF (3) AS INT
Explores the themes and trends which have affected the entire Pacific region and its people. The course highlights the emergence of the modern nations of Northeast and Southeast Asia, focusing on the political and economic development of the past 150 years. (Open University televised course.)

AST 2005 Astronomy of the Solar System -NS (4) AS AST
Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

AST 2006 Stellar Astronomy and Cosmology -NS (4) AS AST
An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

AST 2007 Imaging and Timekeeping -NS (4) AS AST
Lec.-Lab. Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations.

AST 2032C Illustrative Astronomy (3) AS AST
Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations.

AST 3033 Contemporary Thinking in Astronomy -NS (3) AS AST
PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. Either may be taken before the other or taken by itself.

AST 3044 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. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians.

AST 3562 Navigation (3) AS AST
PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment. Restricted to majors, with minimum equipment. Repeatable.

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 2010. 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 biomolecules. 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, regulatory mechanisms, enzymes, and protein engineering. Lec.

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.

BCH 5105 Biochemistry Laboratory Rotations (1-3) AS CHM
A course in which first year graduate students rotate through selected professor's laboratories to learn techniques, become familiar with ongoing research in the Department and facilitate the selection of a mentor.

BCH 5105 Biochemistry Laboratory Rotations (1-3) AS CHM
A course in which first year graduate students rotate through selected professor's laboratories to learn techniques, become familiar with ongoing research in the Department and facilitate the selection of a mentor.

BME 5740 Theory and Design of Bioprocesses (3) EN ECH
PR: Senior standing in engineering or CI. Open to majors and non-majors with CI. Introduction to biotechnology, including applied microbiology, enzyme technology, biomasses, bioengineering, bioreactor design, and transport processes in biosystems.

BME 5742 Pharmaceutical Engineering (2) EN ECH
PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.

BME 5746 Introduction to Biomedical Engineering (3) EN ECH
PR: Senior or GS standing in engineering or CI. Open to non-engineering students with CI. Introduction to biomedical engineering, including human subject material and energy balances, biomaterials, biocompatibility, cell level and organ level modeling, prosthetic devices, and clinical engineering.

BME 5748 Selected Topics in Biomedical Engineering (1-3) EN ECH
PR: Senior or GS standing in Engineering or CI. Open to non-engineering students with CI. Selected topics in biomedical engineering, including biomedical materials, bioengineering, engineering analysis.

BME 5910 Directed Research in Bioengineering (1-3) EN ECH
PR: CI. Directed research in an area of biomedical engineering or engineering biotechnology.

BMS 4402 Principles Of Human Pharmacology -NS (3) ME MSG
Not available on S/U basis. Pharmacodynamics (effects), pharmacokinetics (absorption, distribution, metabolism, excretion) and side effects/toxicity of drugs. Designed to provide basic understanding of mechanism of drug action resulting from modifying biologic processes.

BOT 3373C Vascular Plants: Form and Function (4) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. Introduction to morphology, physiology and classification of vascular plants, integrating form and function to understand diversity. Lec-lab.

BOT 3850C Medical Botany (3) AS BIO
PR: BOT 3373, BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2210. Study of agents that are produced by plants and that are toxic or psychoactive in human beings or are useful as remedies.

BOT 4143C Field Botany (3) AS BIO
PR: BOT 3373C. Identification and classification of native and naturalized flowering plants of Florida, including historical, climatic, and floristic aspects of plant communities. Conducted largely in the field.

BOT 4223C Plant Anatomy (3) AS BIO
PR: BOT 3373. Comparative studies of tissue and organ systems of fossil and present-day vascular plants. Functional and phylogenetic aspects stressed. Lec-lab.

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BUL 5332</td>
<td>Law and the Accountant</td>
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<tr>
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<td>BSC 4402L</td>
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<tr>
<td>CCJ 4604</td>
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<tr>
<td>CCJ 4450</td>
<td>Criminal Justice Administration</td>
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<tr>
<td>CCJ 4700</td>
<td>Statistical Research Methods</td>
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<td>CCE 4034</td>
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<td>CCE 5035</td>
<td>Construction Management &amp; Planning</td>
<td>(3)</td>
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<td>CBE 5424</td>
<td>Construction Law</td>
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<tr>
<td>CAP 5682</td>
<td>Expert And Intelligent Systems</td>
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<td>EN ESB</td>
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<td>CCJ 3003</td>
<td>Crime and Justice in America</td>
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<td>CCJ 3204</td>
<td>Survey of the Criminal Justice System</td>
<td>(3)</td>
<td>AS CJP</td>
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<td>CCJ 3610</td>
<td>Theories of Criminal Behavior</td>
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<td>CCJ 3621</td>
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<tr>
<td>CAP 5625</td>
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required for the major. This course is specifically designed to enable and assist students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the lose supervision of a faculty member of the program.

CCJ 4910 Directed Research (1-3) AS CJP
PR: Junior standing, CCJ 3024, CCJ 3610, CCJ 3621, CI. S/U only. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course. (b) A minimum of four 4 CCJ courses must have been completed satisfactorily prior to enrollment. (c) First consultation will be given to Criminal justice majors. (d) Individual faculty members may add additional requirements at their discretion. No more than six hours of CCJ 4900, CCJ 4910 or any combination of the two will be counted 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.

CCJ 4930 Critical Issues in Policing (3) AS CJP
PR: Junior standing, CCJ 3024 or CJ 4114 or CI. Focuses on some of the most critical issues in law enforcement today including: understanding and controlling police use of deadly force; police deviance; police prejudice and discrimination; violence-prone police officers; substance abuse by police officers; and administrative review of alleged police brutality.

CCJ 4934 Seminar in Criminology - 6A MW (3) AS CJP
PR: Senior standing, CCJ 3026, CCJ 3621, CCJ 3610 or CI. No more than 9 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major. Lecture course. Topic varies and is designed to address a wide variety of issues in criminology and criminal justice. Open to non-majors with CI.

CCJ 4940 Internship For Criminal Justice Majors (3) AS CJP
PR: Senior standing, CCJ 3024, CCJ 3610, CCJ 3621. S/U only. No more than 9 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major. The variable topic seminars are used for the in-depth study and discussion of complex research topics in criminal justice. 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 system's response. Open to non-majors with CI.

CDA 4203L Computer System Design Lab (1) EN ESB
CR: CDA 4203. This lab provides 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 4205 Computer Architecture (3) EN ESB
PR: CDA 3201, CDA 3201L Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALU’s and their implementation, control units, memory and I/O, and the hardware support of operation systems.

CDA 5405 Modeling Computer System Performance I (3) EN ESB

CDA 5406 Modeling Computer System Performance II (3) EN ESB
PR: CDA 5405. Continuation of Performance Modeling I. Practical limitations. Numerical accuracy and stability. Students will develop a practical modeling program and explore its use.

CEG 4011 Geotechnical Engineering I (3) EN EGX
CR: CEG 4011L Geotechnical Laboratory (1) EN EGX
PR: Any Physics course or CI. Focuses on the theoretical bases of geotechnical engineering. Design of embankment and pavement bases; Comprehensive surface slopes, open highway intersection and site design involving functional design, facility sizing, complete alignments and coordination, plan preparation, site layout and design, quantity summarization, bid tab planning and specification preparation.

CEG 4850 Capstone Geotechnical/Transportation Design -MW (3) EN EGX
PR: CEG 4011, TTE 4004. A capstone geotechnical/transportation design experience for seniors in Civil and Environmental Engineering. Design of embankment and pavement bases; Comprehensive surface slopes, open highway intersection and site design involving functional design, facility sizing, complete alignments and coordination, plan preparation, site layout and design, quantity summarization, bid tab planning and specification preparation.

CEN 4020 Software Engineering (3) EN ESB
PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Students will participate in a software development team.

CEN 4022 Software System Development (3) EN ESB
PR: EEL 4851C. Consideration of object methodology and object oriented programming. Team analysis, design, and development of complex software systems using software development tools.

CEN 4721 User Interface Engineering (3) EN ESB
PR: EEL 4855 or CI. Concepts associated with production of high quality software through the use of software engineering concepts and practices are covered. In addition to conceptual presentations, students are required to participate in software development team projects.
CEN 5102 Structures I (3) EN EGX
PR: EGN 3331. Analysis of simple structural systems, both
determinate and indeterminate. Moment area theorems;
inflection lines; introduction to steel design.

CEN 4000 Structures and The Urban Environment for Non-
Engineers - MW (3) EN EGX
This course reviews the best works of structural engineering
and introduces the structural design principles.

CEN 4141 Finite Element Analysis I (3) EN EGX
PR: CEN 3102. Introduction to the finite element method.
Application of the method to one-dimensional structural problems.
Virtual work principles. Analysis of beams and frames using the
displacement method and the force method. Energy principles.
Matrix methods for computer analysis. Programming methods for
finite elements implementation.

CEN 4561 Computer Aided Structural Design (3) EN EGX
PR: CEN 4141. Computer aided structural analysis and design
using existing finite element program, static dynamic loading.

CEN 4805 Concepts of Steel Design (3) EN EGX
PR: CEN 3102. Introduction to steel design and AISI Manual of
Construction: Design of tension members; compression
members; beams; beam columns; and bolted, welded, and
riveted connections.

CEN 4702 Concepts of Concrete Design (3) EN EGX
PR: CEN 3102. 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 4720 Capstone Structural/Materials Design (3) EN EGX
PR: EGN 3365, CEN 4605, CEN 4702. A Capstone Materials
design experience for seniors in Civil and Environmental Engineering.
Design of structures and foundations made of steel and reinforced concrete.

CEN 4740 Capstone Structural/ Geotechnical/ Material Design -
MW (3) EN EGX
PR: EGN 3365, CEN 4605, CEN 4702. CEG 4011. A capstone structural/
geotechnical/ materials design experience for seniors in Civil and
Environmental Engineering. Design of structures and
foundations made of steel and reinforced concrete.

CEN 4742 Concepts of Structural Design (3) EN EGX
PR: CEN 3102. 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, and design of steel
beams.

CEN 4820C Timber and Masonry Design (3) EN EGX
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 pilasters.

CEN 4855 Advanced Materials of Design for Engineers I (3) EN EGX
PR: EGN 3331, MAP 3302 Analytical study of the mechanical
behavior of deformable solids. Basic concepts, stress and strain
transformations, special topics in beams, theory of elasticity,
criteria of failure, beams on elastic foundation.

CEN 5209 Structural Dynamics (3) EN EGX
PR: CEN 3102, EGN 3321. Behavior of structural components
and systems when subjected to periodic dynamic loads.

CEN 5715C Prestressed Concrete (3) EN EGX
PR: CI. Majors only. Fundamental principles of prestressing;
calculation of losses; stress analysis and design of simple beams
for flexure and shear. Examples of pressures applications.

CGN 3021L Civil Engineering Laboratory (2) EN EGX
PR: CEN 3102, EGN 3353, EGN 3365. A laboratory experience
in departmental facilities including the subject areas of materials,
fluids, environmental engineering, and computer assisted data
acquisition.

CGN 4122 Professional and Ethical Issues in Engineering -MW (3)
EN EGX
The professional and ethical responsibility of engineers. The
legal and ethical responsibilities of engineers in the preparation
of contracts and specification. The ethics of engineer-client
agreements.

CGN 4851 Concrete Construction Materials (3) EN EGX
PR: EGN 3365. Classification and production of cements.
Design and testing of concrete mixes to produce desired properties.

CGN 4905 Independent Study (1-5) EN EGX
PR: CC. SU only. Specialized independent study determined by
the students' needs and interests.

CGN 4911 Research in Civil Engineering and Environmental
Engineering (1-4) EN EGX
PR: CC.

CGN 4914 Senior Project (2-5) EN EGX
PR: CI. Problem-solving experience and training for seniors in
research and design projects. Written final reports are required.

CGN 4933 Special Topics in Civil and Environmental Engineering
(1-5) EN EGX
PR: CI. New technical topics of interest to civil engineering
students.

CGN 5509 Corrosion Control (3) EN EGX
PR: CI. Provide understanding of corrosion fundamentals.
Introduction to design for corrosion detection, protection, and control.

CGN 5933 Special Topics in Civil Engineering and Mechanics (1-
5) EN EGX
PR: CI. New technical topics of interest to civil engineering
students.

CGS 2060 SC Introduction to Computers and Programming in
Basic -6A (3) EN ESB
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
No credit for Engineering Majors. For non-engineering majors only.
This computer literacy course covers the fundamentals of computer
literacy, software, and programming languages, presents a broad overview of
Computer engineering concepts, problems and applications for students
with little or no computing background.

CGS 2100 Computers In Business (3) BA QMB
A study of the use and impact of computers in all areas of business
organizations. Course includes hands-on experience in using computers and
understanding of computer technology and software packages for business.

CGS 3414 Problem Solving Using Pascal or C -6A (3) AS MTH
CP: MAS 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.

CGS 3464 SC Simscript Simulation (3) EN ESB
PR: COP 3463. The use of the Simscript language in discrete
event simulation. Development of simulation models of real world
systems.

CGS 5765 Introduction to Unix and C (3) EN ESB
No credit for Department of Computer Science & Engineering
majors. Unix operating system. Internet resources. Netscape,
WWW and HTML. ANSI C language, syntax. Arrays and pointers.
Iterations and recursions. Header files and macros. C libraries.
Structuring data. File I/O.

CHI 1120 Modern Chinese I (4) AS WLE
CR: CHI 1120L. Mandarin. An intensive study of basic skills:
pronunciation, listening, comprehension, speaking, and some
composition.

CHI 1120L Modern Chinese I Laboratory (1) AS WLE
CR: CHI 1120. SU only. Concurrent enrollment with a lecture
session is required, and, if dropped, then dropped simultaneously.

CHI 1120 Modern Chinese II (4) AS WLE
CR: CHI 1120L. Mandarin. PR: CHI 1120 or equivalent. A
continuation of CHI 1120. More sophisticated oral/aural skills are
attained. Basic reading skills are acquired.

CHI 1121 Modern Chinese II Laboratory (1) AS WLE
CR: CHI 1120L. SU only. Concurrent enrollment with a lecture
session is required, and, if dropped, then dropped simultaneously.
Laboratory taught in Mandarin. Topics include the study of
additional Chinese cultures, history, literature, and society.

CHI 2200 Modern Chinese III (4) AS WLE
PR: CHI 1121 or the equivalent. For students who
intend to attain basic proficiency.

CHI 2201 Modern Chinese IV (4) AS WLE
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.
CHM 3610 Intermediate Inorganic Chemistry (3) AS CHM
PR: High school chemistry and mathematics including algebra are recommended. No credit for science majors. An introduction to the principles and applications of modern inorganic 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 I (4) AS CHM
No credit for science majors. 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. A one-semester course.

CHM 2045L General Chemistry I Laboratory (1) AS CHM
CP: 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 I. Continuation of chemistry laboratory.

CHM 2046L General Chemistry II Laboratory (1) AS CHM
PR: CHM 2045L. Laboratory portion of General Chemistry II. Continuation of organic chemistry laboratory.

CHM 2200 Organic Chemistry (4) AS CHM
PR: CHM 2046 or equivalent. Fundamental principles of organic chemistry. Structure, nomenclature, properties, preparation, reactions of hydrocarbons, alcohols, phenols, ethers, sulfur compounds, and other compounds. A one-semester course.

CHM 2210 Organic Chemistry I (3) AS CHM
PR: CHM 2046, CHM 2046L. Fundamental principles of organic chemistry. Laboratory.

CHM 2210L Organic Chemistry Laboratory I (2) AS CHM
CP: CHM 2200 or CHM 2210. Laboratory portion of Organic Chemistry I. Introduction of organic laboratory principles and techniques.

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, transition metal chemistry, structural consequences and spectroscopic methods.

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 counseling and preparation for professional involvement.

CHM 4070 Historical Perspectives in Chemistry - 6A MW (3) AS CHM
PR: One year of college chemistry; or senior standing and CI. 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 calorimetric techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

CHM 4131C Methods of Chemical Investigation II (4) AS CHM
PR: CHM 4130C. Continuation of CHM 4130C.

CHM 4300 Biomolecules I (3) AS CHM
PR: CHM 2211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems. Lec.

CHM 4410 Physical Chemistry I (3) AS CHM
PR: CHM 3120C and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Thermodynamics, the states of matter, solutions. Lec.

CHM 4411 Physical Chemistry II (3) AS CHM
PR: CHM 3120C, and PHY 2212 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 CI. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.

CHM 4905 Independent Study (1-3) AS CHM
PR: CI. S/U only. Specialized independent study determined by the student’s needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

CHM 4932 Selected Topics in Chemistry (1-3) AS CHM
PR: CI. The course content will depend on the interest of faculty members and student demand.

CHM 4970 Undergraduate Research (1-3) AS CHM
PR: CI. S/U only.

CHM 5225 Intermediate Organic Chemistry I (3) AS CHM
PR: CHM 2211, CHM 2211L, or equivalent or CI or GS. This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.

CHM 5226 Intermediate Organic Chemistry II (3) AS CHM
PR: CHM 5225 or CI. An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec. Semester II.

CHM 5425 Applications in Physical Chemistry (3) AS CHM
PR: CHM 4412 and CHM 4410 or CI or GS. Applications of chemical theory to chemical systems.

CHM 5452 Polymer Chemistry (3) AS CHM
PR: Either CHM 2211, CHM 2211L, and CHM 4060 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, Chemistry of Heterocyclic Chemistry, etc.

CHS 4300 Fundamentals of Clinical Chemistry (3) AS CHM
PR: BCH 3023. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Clinical chemistry majors must take CHS 4301L concurrently. Lec.

CHS 4301L Clinical Laboratory (2) AS CHM
PR: BCH 3023 and CI. CHM 3120C. CHS 4300 must be taken concurrently. Laboratory experience in some of the most important
CJE 4114 American Law Enforcement Systems (3) AS CJP
PR: Junior 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.

CJS 4260 Information Technology Seminar (1-3) US EIT
PR: Senior standing in Information Technology. A survey of current Information Technology topics are covered to keep the IT student abreast of the variety of domains associated with their major. Speakers with a wide variety of IT experience will give seminars to senior IT students.

CJS 4500 Database Systems for Information Technology (3) US EIT
CR: EEL 4855 or CI. Fundamentals of database management systems are presented, covering relational, CODASYL, network, hierarchical, and object-oriented models. Topics include basic design concepts, analysis of efficiency as well as actual implementations of such systems.

CIS 4800 Independent Study in Computer Science (1-5) EN ESB
PR: EEL 4740 and CI. Specialized independent study determined by the needs and interests of the student.

CIS 4830 Special Topics in Computer Science (1-4) EN ESB
PR: EEL 4851C. 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 1 (1-4) EN ESB
PR: EEL 4851C or CDA 3201 and CI.

CIS 4935 Senior Project in Information Technology (3) US EIT
PR: Senior Standing in Information Technology. Graduates of the IT program must complete a major project dealing with a sub-domain of IT. Projects are supervised by a faculty member, or an approved industrial mentor. Projects range from design to programming, to implementations associated with IT.

CJL 3110 Substantive Criminal Law (3) AS CJP
PR: Junior standing, CCJ 3324, CCJ 3610, or CI. Examines the historical basis of the American criminal law system, the substantive elements of the crime, and court procedures.

CJL 4115 Environmental Law and Crime (3) AS CJP
PR: Junior standing, CCJ 3324 or CI. The course provides students with an introduction to issues in the area of environmental crime and environmental law.

CJL 4410 Criminal Rights and Procedures (3) AS CJP
PR: Junior standing, CCJ 3324 or CI. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.

CJT 4100 Criminal Investigation (3) AS CJP
PR: CCJ 3324 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 -HP (3) AS WLE
Study of Greek Civilization from its beginning to the Roman period, with emphasis on social customs, political institutions, and daily life.

CLA 3123 Roman Civilization -HP (3) AS WLE
Study of Ancient Roman Civilization with emphasis on social customs, political institutions, and daily life.

CLA 4930 Selected Topics (1-4) AS WLE
Course content depends on student demand and instructor's availability and may range over the whole field of ancient languages, literatures and civilizations. Offerings on a semi-regular basis include Tongues of the Bible and the Bible as History.

CLP 4413 Abnormal Psychology (3) AS CJP
PR: PSY 3213 with a grade of C or better 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.

CLT 3040 Scientific and Medical Terminology (3) AS WLE
A course in the Greek and Latin word elements used in science and technology.

CLT 3101 Greek Literature in Translation -6A MW (3) AS WLE
Reading and discussion of major works in Greek literature. Special emphasis on the Iliad, the dramatists Aeschylus, Sophocles, Euripides and Aristophanes. Some attention is given to the social and political background of the works. All readings are in English.

CLT 3102 Roman Literature in Translation -6A MW (3) AS WLE
Reading and discussion of major works in Roman literature. Special emphasis is placed on the Aeneid, comedy and satire. Some attention is given to the political background of the works. All readings are in English.

CLT 3370 Classical Mythology -HP (3) AS WLE
Study of Greek and Roman myths embodied in classical literature and of their impact on Western civilization. All readings are in English.

CLU 4000 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 Professions (3) AS SPE
For non-majors only. Identification of communication situations specific to business and the professions. Analysis of variables...
related to communication objectives and preparation of oral presentations in the form of informational reports, conference management, persuasive communications, interviews, and public hearing.

**COM 3120 Introduction to Communication Theory in Organizations (3) AS SPE**

PR: majors, COM 2000 or CI. Focus on professional and interpersonal communication skills. Special attention to the value issues in health communication.

**COM 4030 Women and Communication -6A MW (3) AS SPE**

Midterm and final exams. Application for seminar must be submitted one semester prior to semester offering.

**COP 2200 SC Fortran Programming (3) ES ESB**

No credit for Engineering Majors. Solution of functionally oriented problems using the FORTRAN language. Particular emphasis is placed on file manipulation and system libraries.

**COP 2510 Programming Concepts (3) EN ESB**

PR: MAC 2281 or equivalent. An examination of a modern programming language emphasizing programming concepts and design methodology.

**COP 3514 Programming Design (3) EN ESB**

PR: COP 2510 or comparable introductory programming course and DPR. The class extends students’ programming knowledge by systematically considering the conceptual ideas involved in program design and creation. Students will also build upon their previous programming experience by learning to use the C programming language in a networked environment.

**COP 5520 Program Design for Information Technology (3) US EIT**

PR: COP 2510 or CI. Concepts associated with the design and implementation of complex computer programs are studied, with emphasis on the creation of programs to be developed and maintained in a variety of environments.

**COP 4124 Communication and Organizational Change (3) AS SPE**

PR: Junior/Senior standing or CI. Focus on change and relationships in organizations, and the role communication processes play in such changes.

**COT 3100 Introduction to Discrete Structures (3) EN ESB**

PR: MAC 2281 or CI. Introduction to set algebra, propositional calculus and finite algebraic structures as they apply to computer science.

**CPO 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 4313 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 operating systems. Course includes a study of current computer systems and storage management policies.

**COP 4650 Operating Systems Laboratory for Information Technology (3) US EIT**

PR: EEL 4855 or CI. Introduction to concepts and practices of modern operating systems. Topics include process, parallelism, memory management, resource allocation and file systems.

**COT 4210 Automata Theory and Formal Languages (3) EN ESB**

PR: COP 5100, EEL 4851C. Introduction to the theory and application of various types of computing devices and the languages they recognize.

**COP 4400 Analysis Of Algorithms (3) EN ESB**

PR: COP 3100, EEL 4851C. Design principles and analysis techniques applicable to various classes of algorithms frequently used in practice.

**CP 4002 Introduction to Comparative Politics -SS (3) AS POL**

Comparison and analysis of representative European and non-Western political systems.

**CPO 4034 Politics of the Developing Areas -SS AF (3) AS POL**

An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

**CPO 4204 Government and Politics of Africa -SS AF (3) AS AFA**

Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.

**CPO 4930 Comparative Government and Politics of Selected Countries or Areas (3) AS POL**

Studies political systems with common elements. Structure, processes, domestic and foreign politics, and regional roles are considered.

**CPO 5934 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 forms such as the anecdote, tale, character sketch, incident, monologue, epistolary story, and short story as they have been used in the development of fiction and as they exist today.

CRW 3112 Fiction I -6A (3) AS ENG
PR: CRW 2100 or CRW 3111. An introduction to fiction writing, beginning with a practical study of the various elements of fiction and proceeding through the many processes of revision to arrive at a completed work of art.

CRW 3121 Fiction II -6A (3) AS ENG
PR: CRW 2100 or CRW 3111, CRW 3112. A fiction workshop which provides individual and peer guidance for the student’s writing and which encourages the development of critical skills.

CRW 3311 Form and Technique of Poetry (3) AS ENG
An examination of the techniques employed in fixed forms from the couplet through the sonnet to such various forms as the rondel, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are also explored.

CRW 3312 Poetry I (3) AS ENG
PR: CRW 3311. An introduction to poetry writing utilizing writing exercises employing poetic language and devices; the exercises progress to the writing of both rhymed and unrhymed metrical and non-metrical forms.

CRW 3321 Poetry II (3) AS ENG
PR: CRW 3311, CRW 3312. A poetry workshop which provides individual and peer guidance for the student’s writing and which encourages the development of critical skills.

CRW 3420 Fiction III (3) AS ENG
PR: CRW 2100 or CRW 3111, CRW 3121. An advanced fiction workshop in which works 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 in which students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses.

CRW 4930 Selected Topics in Creative Writing (3) AS ENG
PR: 12 hours of CRW courses or CI. The focus of the course will be governed by student demand and instructor interest. Topics to be covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works. May be taken twice for credit with different topics.

CWR 4103 Water Resources Engineering I (3) EN EGX
PR: CWR 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 4503 Hydrology I (3) EN EGX
PR: EGN 3535. Fundamental and applied aspects of pipe flow, free surface flow, and unsteady flow for hydraulic systems.

CWR 4541 Water Resources Engineering II (3) EN EGX
PR: EGN 3503, CWR 4202. This course is intended to be a technical elective for students specializing in water resources or environmental engineering. Material in the course covers subsurface hydrology including both soil vadose zone processes and the ground water flow.

CWR 4812 Capstone Water Resources/Environmental Design - MW (3) EN EGX
PR: CWR 4103, ENV 3001. 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) VP 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). May be repeated by majors.

DAA 2205 Ballet I (2) VP 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 the progressive development of positions and barre exercises as well as the combination of combinations in center work using classical Ballet vocabulary (French terms). May be repeated by majors.

DAA 2200 Fundamentals Of Ballet (2) VP 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). May be repeated by majors.

DAA 2105 Modern Dance I (2) VP 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). May be repeated by majors.

DAA 2500 Fundamentals Of Jazz Dance (2) VP DAN
A basic movement course in Jazz Dance involving dance vocabulary, alignment, styles and simple rhythmic movement patterns. May be repeated by majors.

DAA 2504 Jazz Dance I (2) VP DAN
PR: Admission by placement audition, DAA 3204 or DAA 2104. A technique class for the intermediate level dancer to become acquainted with the dance styles and forms of musical theatre and concert jazz dance. Emphasis is on highly stylized movement on a strong rhythmic base. May be repeated by majors.

DAA 2540 Theatre Dance Styles (2) VP DAN
PR: DAA 2100 or DAA 2200 or CI. Development of technical skills in social and historical dance forms frequently used for use by dance choreographers. Forms to be studied will include polka, clogging, waltz, folk, tap dancing, etc.

DAA 2570 Jazz Theatre Dance (3) VP 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 2760 Tai Chi (2) VP DAN
This course is an introduction to the study of Tai Chi focusing on the philosophy and postures of this martial art. May be repeated by majors.

DAA 2761 Introduction to Yoga (2) VP DAN
This course is designed to provide students with an understanding of basic Yoga philosophy and practice which includes postures, meditation and breath techniques. May be repeated by majors.

DAA 3108 Modern Dance II (3) VP DAN
PR: Admission by placement audition. Study of principles of modern dance technique. Practical work in exercises and movement phrases, utilizing changing rhythms and dynamics. Concert and performance attendance required. May be repeated by majors.

DAA 3109 Modern Dance III (2-3) VP DAN
PR: Admission by placement audition. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance. May be repeated by majors.

DAA 3208 Ballet II (3) VP DAN
PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of combinations in centre 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. May be repeated by majors.

DAA 3209 Ballet III (2-3) VP DAN
PR: Admission by placement audition. Continuation of DAA 2104. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance. May be repeated by majors.

DAA 3394 Ballet Variations (1) VP 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. May be repeated by majors.

DAA 3394 World Dance Topics (1) VP DAN
Students will experience fundamental knowledge of dance representing various world cultures. In addition to a dance/ movement component, a connection will be made to historical, spiritual/religious, ethnological and environmental indigenous aspects of people involved in dance as a cultural experience. May be repeated up to 4 credit hours. May be repeated by majors.

DAA 3614 Choreography I (2) VP DAN
PR: DAN 3614. 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 4920 Dance Studies (1-4) VP DAN
PR: CI and CC. Dance major status. A study of career opportunities in performance, teaching, research, design, and choreography. To aid majors in self-appraisal as artists and develop methods to further their potential in the professional world. Discussion, critical evaluation and projects.

DAN 4135 20th Century Dance -XMW (3) VP 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 4181 Dance Senior Seminar (2) VP DAN
PR: Senior major status. A study of career opportunities in performance, teaching, research, design, and choreography. To aid majors in self-appraisal as artists and develop methods to further their potential in the professional world. Discussion, critical evaluation and projects.

DAN 4404 Movement Analysis (2) VP DAN
Specialized study in movement theories, body alignment, and movement patterns focusing on the scientific and analytical basis of movement in dance with consideration for developmental processes, technique, creative expression, and performance.

DAN 4784 Specialized Study in Movement Theory and Body Alignment (2) VP 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) VP 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. May be repeated by majors.

DAN 4906 Directed Study (1-5) VP 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. May be repeated by majors.
EDE 4941 Childhood Education Internship Level I (3) ED EDE
PR: Admission to the Elementary Education Program. Not available for credit to upper-level students admitted to the College of Business. Topics selected by department. May be repeated if topics vary.

EDE 4940 Internship: Elementary Education (10-12) ED EDE
PR: Senior standing. To extend competency in teaching field.

EDE 4909 Directed Study: Elementary Education (1-4) ED EDE
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 hours.

EDE 4905 Independent Study (1-3) BA EDE
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

EDE 4935 Selected Topics in Education (1-3) BA EDE
Topics to be selected by the instructor or instructors on pertinent educational issues.

ECP 3201 Economics of Women and Work -MW (3) BA ECP
PR: ECO 1000 or ECO 2013 and ECO 2023. Survey of research on women, men and work in the labor market and the household. Focuses on the economic status of women. Includes historical perspective, examination of the family as an economic unit, changing work roles, and gender differences in occupation and earnings.

ECP 3203 Labor Economics (3) BA ECP
PR: ECO 3101 or ECO 3101 with a grade of "C" or better. Determinants of wage and employment levels; occupational, industrial and geographical wage differentials; union and public policy effects on labor markets; the economics of discrimination, inflation, and unemployment.

ECP 3302 Environmental Economics -MW (3) BA ECP
PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.

ECP 3303 Economics of Population and Antitrust (3) BA ECP
PR: ECO 2013. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3350 Economics of Health (3) BA ECP
PR: ECO 3101 or ECO 3101 with a grade of "C" or better. Application of economic methods to health care topics such as demand for medical care, public and private health insurance, physician and hospital supply of medical care, government regulations, and national healthcare systems.

ECP 3613 Economics of the Urban Environment -MW (3) BA ECP
PR: ECO 1000 or ECO 2013 or CI. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transportation, pollution, crime, and fiscal considerations.

ECP 4232 Collective Bargaining and Public Policy (3) BA ECP
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.

ECP 4451 Law and Economics (3) BA ECP
PR: ECO 2023. 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 ECP
PR: ECO 3101 or ECO 3101 with a grade of "C" or better. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions, and corrections.

ECS 3013 Economic Development (3) BA ECS
PR: ECO 3101 or CI. Economic development in emerging nations.

ECP 4003 Comparative Economic Systems -MW (3) BA ECP
PR: ECO 1000 or ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.
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.

EDG 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. Includes application of performance assessment techniques and computer applications for measuring and assessing pupil progress.

EDF 4909 Directed Study: Educational Foundations (1-3) ED EDF
PR: DPR. S/U only. Specialized independent study determined by the student’s needs and interests.

EDG 4905 Independent Study: Early Childhood Education (1-4) ED EDF
PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

ECC 4008 Child, Family & Teacher Relations (3) ED EDU
PR: Admission to College of Education. Early Childhood majors only. Focuses on developing an understanding of traditional and non-traditional families, structural and life style variations and parenting 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 home visits.

ECC 4905 Independent Study: Early Childhood Education (1-4) ED EDF
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.

ECC 4936 Senior Seminar in Elementary Early Childhood Education (2) ED EDE
PR: Senior standing; CR: EEC 4940. Synthesis of teacher candidate’s courses in complete college program.
EEL 4940 Internship: Early Childhood (10-12) ED EDU
CR: EEC 4940. S/U only. Teacher candidates are required to demonstrate professional competencies during one semester of full-day internship in a public or private elementary school.

EEC 4941 Field Experience I (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Field placement with three and four year olds where teacher candidates have opportunities to apply knowledge and skills in authentic situations and become objective observers of young children’s development. Weekly seminars are conducted in conjunction with the field experience which provide teacher candidates an opportunity for reflection on their understandings.

EEL 4942 Field Experience II (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Field placement in kindergarten or primary grade where teacher candidates have opportunities to apply knowledge and skills in authentic situations. Emphasis on developing deeper understanding of children’s development and implications of development for program planning for both typical and atypical children.

EEL 4943 Field Experience III (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Field placement in kindergarten or primary grade where teacher candidates have opportunities to apply knowledge and skills in authentic situations. Focus on developing deeper understanding of growth and development with an emphasis on self-evaluation of knowledge, skills, and dispositions essential for teaching.

EED 4911 Introduction to Behavior Disorders (3) ED EDS
PR: EEE 4011. S/U only. DPR. Supervised field experience in education, classroom management, and clinical teaching with children who have emotional and behavioral disabilities.

EEL 2161 Electrical Engineering Computer Methods (3) EN EGE
Use of computers to perform analysis, simulation, and design of electrical systems. Use of computer systems, including internet resources. Use of analytical software. Computer programming in C++ for the solution of Electrical Engineering problems.

EEL 3410 Fields and Waves I (3) EGE
PR: MAP 2302, PHY 2049L. Introduction to passive microwave systems, the tools used for analysis, and some common circuit topologies for biasing and matching. Substantial coverage of stability analysis, constant gain methods and noise figure. Part two of a two-part sequence. EE majors only. Not available on an S/U basis.

EEL 4472 Electromagnetics (3) EN EGE
PR: MAP 2302, PHY 2049, PHY 2049L and EE majors or CI. Electromagnetic field theory, including static and dynamic electromagnetic fields, applications; environmental effects (effects of radiation, magnetic fields).

EEL 4512 Communication Systems (3) EN EGE
PR: EEL 4102. Provides an introduction to the fundamental principles and techniques of analog and digital communication systems. Theory is put into practice by investigating a variety of applications. Lectures and projects develop understanding of modern communication systems design and analysis.

EEL 4577 Electro-Optics (3) EN ESB
PR: EEL 4705L, EEL 4705L, 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 4578 Linear Control Systems (3) EN EGE
PR: EEL 3100. Introduction to analysis and design of linear feedback control systems. Covers block diagram, flow charts, Bode, Nyquist, and root locus techniques.

EEL 4705 Logic Design (3) EN EGE
PR: ECE 3373, CR: EEL 4705L. For CS & E students. COP 2002. Binary number systems; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; synchronous logic circuits in microprocessors.

EEL 4705 Logic Laboratory (1) EN ESB
CR: EEL 4705L. Develops designs and demonstrates logic concepts. Schematic capture for design implementation, simulation and design verification.

EEL 4743 Microprocessor Based System Design and Application (3) EN ESB

EEL 4748 Microcontroller-Based System Design and Application (3) EN ESB
PR: CDA 3201, CDA 3201L. Study of techniques for design of microcontroller-based systems used in various applications. Includes a project on development of an experimental application system.

EEL 4756 Signal and Image Processing (3) ESB
PR: ECE 4450, EEL 4851C. Sampling and quantization of signals and images; frequency-domain representations, transforms; filtering, convolution, and correlation; low-level image analysis algorithms; color images; fast methods and parallelism.

EEL 4781C Distributed Processing and Computer Networks (3) EN ESB
PR: EEL 4851C. Design and analysis of distributed processing systems. Covers communication hardware and software, network operating systems, and reliability enhancement techniques.

EEL 4785 Computer Information Networks for Information Technology (3) US EIT
The course covers concepts of computer networks. Physical and logical structures are presented. Physical media, circuit switching, datagram, high-level protocols, and the ISO model are discussed. Bus, ring, star, and wireless topologies are presented.

EEL 4785L Information Networks Laboratory for Information Technology (1) US EIT
CR: COP 4650 or CI. The lab section of this course will allow students to apply hardware and software concepts discussed in
the lecture portion of the class. Special isolated networking labs provide both software and hardware tools for student experimentation.

**EEL 4851C Data Structures (3) EN ESB**
PR: CDA 3100, COP 3514. Fundamentals of data organization for purposes of program efficiency, clarity and simplicity will be addressed.

**EEL 4852C Data Base Systems (3) EN ESB**
PR: EEL 4851C. Fundamentals of data base management systems. CODASYL, network, hierarchical, and relational database systems are analyzed, and typical applications are presented.

**EEL 4855 Data Structures and Algorithms for Information Technology (3) US EIT**
PR: COP 8250 or CI. Representing data for manipulation by the computer are studied. Design and analysis of well-known data structures and algorithms to manipulate them, are studied. Program efficiency, clarity and speed are considered in various structures and algorithms.

**EEL 4905 Independent Study (1-5) EN EGE**
PR: CI. S/U only. Specialized independent study determined by the students' needs and interests.

**EEL 4906 Professional Issues and Engineering Design -MW (2) EN EGE**
PR: EEL 4102; CR: EEL 4305, EEL 4512, EEL 4657, EEL 4744. An introduction of engineering design with applications to specific engineering problems. Included are discussion of real-world issues as economics, safety, ethics and the environment.

**EEL 4935 Special Electrical Engineering Topics I (1-4) EN EGE**
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 4936 Special Electrical Engineering Topics II (1-4) 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 4937 Special Electrical Engineering Topics III (1-3) 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 4938 Power System Analysis (3) EN EGE**
PR: EUG 3375. Analysis and design technique for AC power systems.

**EEL 5136L Wireless Circuits and Systems Design Laboratory (2) EN EGE**
PR: EEL 4936. An extensive hands-on introduction to wireless radio frequency and micro-wave circuits and systems, involving modern measurement techniques, fabrication and computer-aided design experiences at both component and subsystem levels. Not available on an S/U basis.

**EEL 5300C Digital MOS/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 5382 Physical Basis Of Microelectronics (3) EN EGE**
PR: EEL 4472 or GS. Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.

**EEL 5437 Microwave Engineering (3) EN EGE**
PR: EEL 4472, EEL 4102, or GS. Introduction to passive and active components, devices, and circuits, including transmission lines and wave guides, employed in microwave integrated circuits and systems.

**EEL 5462 Antenna Theory (3) EN EGE**
PR: EEL 4472 or GS. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elements of antennas and arrays.

**EEL 5572C Local and Metropolitan Area Networks (3) EN EGE**
PR: EEL 4512 or GS. Basics of data communication exchange of digital information over communication media; Basics of LANs/ MANs and its components; media topologies, access methods, etc.; LAN/MAN architectures and protocols-IEEE 802 xMAN Standards; High speed LANs such as FDDI, IEEE 802.6 MAN, etc., Internetworking; LAN/MAN Design and selections.

**EEL 5631 Digital Control Systems (3) EN EGE**
PR: EEL 4657 or GS. Sample data and digital control processes

**EEL 5754C Microprocessor Based Digital Signal Processing (3) EN EGE**
PR: EEL 4705 or CI. Arithmetic systems, processing structures, efficient algorithms. DSP hardware, TI, NEC and other DSP microprocessors; multiprocessing hardware and software. System development. Application to telecommunications and voice processing.

**EEL 5771 Introduction to Computer Graphics I (3) EN ESB**
PR: EEL 4851C. An introduction to the evolution of computer graphics including point-plotting, line drawing, two-dimensional transformations and graphics software packages.

**EEL 5935 Special Electrical Engineering Topics I (1-3) EN EGE**
PR: EEL 5935 Special Electrical Engineering Topics II (1-3) EN EGE
PR: EEL 5935 Special Electrical Engineering Topics III (1-3) EN EGE

**EEX 4221 Educational Assessment of Exceptional Students (3) ED EDS**
PR: EDF 3214. EDF 4430 and EEX 4011. CR: EEX 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 4604 Behavior Management for Special Needs and at Risk Students (3) ED EDS**
PR: EEX 4011. CR: EEX 4941. Techniques to prevent, analyze, and manage challenging and disruptive classroom behavior as well as teaching social skills.

**EEX 4742 Narrative Perspectives on Exceptionality: Cultural and Ethical Issues -6A LW (3) ED EDS**
PR: EEX 4011. The purpose of this course is to introduce students to the historical and theoretical perspectives on educating students with learning and behavioral differences, develop a critical understanding of current practices in service delivery systems, and examine professional issues and trends that impact the future of the field.

**EEX 4846 Clinical Teaching in Special Education (3) ED EDS**
PR: EEX 4011, DPR. CR: EEX 4941. 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 4906 Directed Study: Exceptional Student Education (1-3) ED EDS**
PR: Senior standing. DPR. To extend competency in teaching exceptional students.

**EEX 4936 Senior Seminar in Exceptional Student Education (1) ED EDS**

**EEX 4940 Internship: Exceptional Student Education (1-10) ED EDS**
PR: EEX 4011. CR: EEX 4936. S/U only. One full semester of internship in an accredited public or private school.

**EEX 4941 Practicum in Exceptional Student Education (1-4) ED EDS**
CR: Sem I: EEX 4011; Sem II: EEX 4604; Sem III: EEX 4221 and EEX 4846. Designed to provide teacher candidates with carefully
planned and supervised clinical experiences with exceptional students providing in a variety of settings. Candidates demonstrate the ability to apply concepts, theories and research. Repeatable up to six credit hours.

**EEX 5705 Seminar in Preschool Handicapped (2) ED EDS**

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 5722 Working With Families: A Pluralistic Perspective (3) ED EDS**

PR: Introductory course in special education, GS. 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.

**EGI 4941 Undergraduate Supervised Practicum in Gifted Student Education (1-6) EDS**

Organized, supervised experiences with gifted children. Specific experiences may be either a combination of observation and assistance with gifted children or individual projects.

**EGI 5051 Nature and Needs of the Gifted (3) ED EDS**

This survey course examines the characteristics and educational needs of children and youth who are gifted, including those from special populations. Emphasis is on giftedness as defined historically, nationally and locally. The course also explores changing views of intelligence and talent development related to policy and practice in gifted education as well as the processes of identification and programming.

**EGI 5325 Theory and Development of Creativity (3) ED 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 prehistoric man to the modern day. Topics include: seven technological ages of man, methods of producing power, materials, transportation, communication and calculation, and technology and society.

**EGN 2080 Light and the Arts: A Quantitative Approach -FA (3) EN EGB**


**EGN 2081 Circuit Mathematics and Physics (2) EN EGB**

Remedial work on the mathematical and physical concepts that are necessary for EGN 3373. Differentiation and integration, complex numbers, phasors, vectors, the physical laws for resistors, capacitors, and inductors.

**EGN 2082 History of Electrotechnology -HP (3) EN EGB**

Highlights of the history of electrotechnology and its relation to the development of civilization. The contributions of Volta, Faraday, Morse, Bell, Hertz, Marconi, Franklin, etc. in the context of the development of western civilization. The impact of communications, electronics, and computers in the twenty-first century.

**EGN 2210 Computer Tools for 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**

Introduction to the profession of engineering. Exposure to the different disciplines of engineering incorporating examples of tools and techniques used in design and presentation.

**EGN 3311 Statics (3) EN EGB**


**EGN 3321 Dynamics (3) EN EGB**

PR: EGN 3311. Dynamics of discrete particles; kinematics 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.
EML 3041L Computational Methods Lab (1) EN EGR
CR: MAC 2281. Solution of numerical problems using programming language of Visual Basic. Topics include fundamentals of programming, controlling program flow and arrays.

EML 3252 Cinematics and Dynamics of Machinery (3) EN EGR
Kinematics of machines and mechanisms; position, velocity, and acceleration analysis of mechanisms; cams; gear trains; inertia forces in mechanisms; flywheels; balancing of rotating masses.

EML 3303 Mechanical Engineering Lab I (3) EN EGR

EML 3500 Mechanics of Solids (3) EN EGR
PR: EGN 3311. Stress and deflection analysis of machine parts, variable loads, endurance limits, fasteners, bearings, power transmission, code consideration of pressure and vacuum vessels, elements of design.

EML 3720 Fluid Systems (3) EN EGR
PR: EGN 3321. Principles of fluid flow; piping and duct systems; fluid machinery; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; production of aerodynamics.

EML 4031 Visual Basic for Engineers and Scientists (3) EN EGR
PR: EGN 3041. Introduces students to the powerful graphical interface language of Visual Basic. Illustrates the use of the language in engineering and science applications.

EML 4106 Thermodynamic Systems (3) EN EGR
PR: EGN 3333. Power and refrigeration cycles; fuels and combustion; internal combustion engine cycles; co-generation; nuclear energy; methods of economic analysis.

EML 4142 Heat Transfer (3) EN EGR
PR: EGN 3343; CR: EML 3701, EML 3041. Conduction, convection and radiant heat transfer; thermal properties of materials; role of fluid flow in convective heat transfer; design and selection of heat exchangers.

EML 4220 Vibrations (3) EN EGR

EML 4302 Mechanical Engineering Laboratory II (3) EN EGR
PR: EML 3303. Continuation of EML 3303 with emphasis on material and energy balances, stress analysis and vibrations. Lec.-lab. The Team-Project-Time Approach.

EML 4322 Mechanical Controls (3) EN EGR

EML 4325 Mechanical Manufacturing Processes (3) EN EGR
PR: EGN 3365. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.

EML 4414 Heat Power Engineering (3) EN EGR
PR: EML 4106. The study of large, thermo-electric power conversion for utility systems. Combustion of hydrocarbon fuels, furnace, steam generator, turbine design and auxiliary equipment design. Topics include control of air emissions, design and performance of combined cycle facilities.

EML 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 concepts. Special topics for class discussion.

EML 4501 Machine Design (3) EN EGR
PR: EML 3500. Design concepts that teach students to apply the principles of engineering mechanics, materials and manufacturing to the design/analysis of machine elements and mechanical systems. Emphasis is given toward good design practice as well as pitfalls that can lead to catastrophic failure and system failure.

EML 4551 Capstone Design -MW (3) EN EGR
CR: EML 4501. Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS, CAD AND Pro/E.

EML 4552 Senior Mechanical Design (3) EN EGR
PR: EML 4501 or CI. Comprehensive design or feasibility study project. In some cases may be a continuation of EML 4551.

EML 4562 Introduction to Composite Materials (3) EN EGR
PR: EML 3500 and EML 3641. 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.

EML 4606 Air Conditioning Design (3) EN EGR

EML 4905 Independent Study (1-4) EN EGR
PR: CI. Specialized independent study determined by the student's needs and interests.

EML 4930 Special Topics in Mechanical Engineering (1-4) EN EGR
PR: CI.

EML 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.

EML 5395 Motor Selection (3) EN EGR
PR: ENG 3373, ENG 3433. Standard electrical voltages; power wiring in industrial plants; NEMA motor designs and their uses; techniques for estimating motor starting times and temperature rise; motor selection, starting, and operating safety interlocks; conventional starting and control systems; programmable controllers; electrical code requirements for conductors and protective devices.

EML 5422 Internal Combustion Engines (3) EN EGR
PR: EML 4106 or CI. This course is for the application of thermodynamics, chemistry, dynamics of machinery, electronics and fluid mechanics. Topics covered are: introduction of engines, fuel and combustion, modeling, ignition, fuel systems, balance of reciprocating mechanisms and emission control of exhaust pollutants.

EML 5930 Special Topics III (1-4) EN EGR
PR: CC.

EML 5931 Special Topics IV (1-4) EN EGR
PR: CC.

EMR 4011 Mental Retardation and Developmental Disabilities (3) ED EDS
PR: EEX 4011 or equivalent. This course is designed to provide students with a broad introduction to the area of mental retardation and developmental disabilities with particular emphasis on the educational aspects. This course is required by the state for certification in mental retardation.

EMR 4230 Educating the Severely/Profoundly Handicapped (3) ED EDS
PR: EMR 3011 or DPR. Emphasis on educational methods and materials for teaching children with severe/profound handicaps. Practicum/field experience linkage.

EMR 4905 Independent Study: Mental Retardation (1-3) ED EDS
S/U. May be repeated when subjects vary. DPR. Specialized independent study determined by the student's needs and interests.

EMR 4909 Directed Study: Mental Retardation (1-3) ED EDS
PR: Senior standing, DPR. 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 children who have mental retardation.

ENC 1101 Composition I -6A EC
PR: ENC 1101 and ENC 1102 must be taken in numerical sequence. Instruction and practice in the skills of writing and reading.

ENC 1102 Composition II -6A EC (3) AS ENG
PR: ENC 1101. Instruction and practice in the skills of writing and reading.

ENC 1121 Composition I: Honors -6A EC (3) AS ENG
PR: ENC 1121. Reserved for students in University Honors. Honors Section of ENC 1101.

ENC 1122 Composition II: Honors -6A EC (3) AS ENG
PR: ENC 1121. Reserved for students in University Honors. Honors Section of ENC 1102.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
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<tbody>
<tr>
<td>ENL 3015</td>
<td>British Literature to 1616 (3) AS ENG</td>
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<td>ENL 3273</td>
<td>Shakespeare from an Historical Perspective -HP (3) AS ENG</td>
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<td>Examines the plays of Shakespeare from Romeo and Juliet to Othello as manifestations of the social, political, and intellectual forces of the time. Lectures will be available on audio tapes. Will not be counted toward the English major.</td>
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<td>ENL 3331</td>
<td>Early Shakespeare (3) AS ENG</td>
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<td>ENL 3332</td>
<td>Late Shakespeare (3) AS ENG</td>
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<td>ENL 4122</td>
<td>British Novel Through Hardy (3) AS ENG</td>
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<td>ENL 4132</td>
<td>British Novel: Conrad to the Present (3) AS ENG</td>
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<td>ENG 2460</td>
<td>Advanced Technical Writing (3) AS ENG</td>
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<td>ENG 4013</td>
<td>Literary Criticism (3) AS ENG</td>
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<td>ENG 4060</td>
<td>History of the English Language (3) AS ENG</td>
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<td>ENG 4906</td>
<td>Individual Research (1-4) AS ENG</td>
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<td>ENG 4931</td>
<td>Selected Topics in Professional and Technical Writing (3) AS ENG</td>
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<td>ENG 4935</td>
<td>Honors Seminar I (3) AS ENG</td>
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<td>ENG 4936</td>
<td>Honors Seminar II (3) AS ENG</td>
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<td>ENG 4970</td>
<td>Honors Thesis (3) AS ENG</td>
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<td>British Literature 1616-1780 (3) AS ENG</td>
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<td>ENV 3251</td>
<td>British Literature 1780-1900 (3) AS ENG</td>
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<td>ENV 4503</td>
<td>Environmental Systems Engineering (3) EN EGX</td>
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<td>ENV 4502</td>
<td>Environmental Unit Operations (3) EN EGX</td>
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<td>ENV 4417</td>
<td>Water Quality and Treatment (3) EN EGX</td>
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<td>ENV 4432</td>
<td>Water Systems Design (2) EN EGX</td>
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<td>ENV 4503</td>
<td>Environmental Processes (3) EN EGX</td>
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ESI 4244 Design of Experiments (3) EN EGS
PR: EGN 3443. Activity forecasting models and control. Design and use of inventory control models, both designs applicable to regression analysis of variations and decision making.

ESI 4312 Deterministic O. R. (3) EN EGS
PR: EGN 4450. An introduction to operations research techniques with particular emphasis on deterministic models. Linear programming, dynamic programming, integer programming, and PERT/CPM networks are considered.

ESI 4313 Probabilistic O. R. (3) EN EGS

ESI 4523 Industrial Systems Simulation (3) EN EGS
PR: ESI 4313. A study of the development and analysis of computer simulation models: Monte Carlo, time-slice, and next-event. Introduction to special purpose simulation languages.

ESI 4905 Independent Study (1-5) EN EGS
PR: CI, S/U only. Specialized independent study determined by the student's needs and interests.

ESI 4911 Senior Project (2) EN EGS
PR: EIN 4364, CR: EIN 4332, CR: EIR 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 5219 Statistical Methods For Engineering Managers (3) EN EGS
PR: ESI 5219 or equiv., majors only. PR: 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 EGN 4434. Study of statistical methods applied to engineering management problems involving estimation and prediction under conditions of uncertainty.

ESI 5361 Reliability Engineering (3) EN EGS
PR: ESI 5219 or equiv., majors only. PR: EGN 3443 or equivalent. Fundamental concepts of reliability. Estimation of reliability of systems and components. Measures of availability, maintainability and reliability.

ESI 5470 Manufacturing Systems Analysis (3) EN EGS
PR: CC, majors only. The study of systems of manufacturing entities such as machine tools, robots, and materials handlers. Emphasis is on mathematical description of integrated systems and system optimization.

ESI 5545 Computer Simulation (3) EN EGS
PR: ESI 4521 or equiv., majors only. Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

ETG 3931 Special Topics (1-5) EN ESB
ETG 3932 Special Topics (1-5) EN ESB
ETG 3933 Special Topics (1-5) EN ESB
ETG 4931 Special Topics in Technology I (1-5) EN ESB
ETG 4932 Special Topics in Technology II (1-5) EN ESB
ETG 4933 Special Topics (1-5) EN ESB
ETG 4934 Special Topics (1-5) EN ESB
ETG 4935 Special Topics (1-5) EN ESB
ETG 4936 Special Topics (1-5) EN ESB
ETI 4666 Principles of Industrial Operations II (3) EN ESB
PR: CC. No credit for Engineering Majors. Application of techniques developed in the course 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 early 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. 285.

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 of Europe, 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 3181 Medieval Culture (4) AS HTY
A survey of thought, culture, and art in the Middle Ages. Medieval attitudes as reflected in literature, art, philosophy, education, and religion; with emphasis upon Medieval man’s changing perception 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 3186 Medieval Society (4) AS HTY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsman, and the agrarian-urban economy and society which affected their lives.

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.

EUH 3202 History of 17th and 18th Century Europe (4) AS HTY
A history of Europe from the beginning of the Thirty Years’ War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUH 3205 History of Nineteenth Century Europe (4) AS HTY
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUH 3206 History of Twentieth Century Europe (4) AS HTY
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

EUH 3401 Classical Greece (4) AS HTY
A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing as well the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.

EUH 3402 Age of Alexander (4) AS HTY
A study focusing on the career of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome’s conquest of the eastern Mediterranean.

EUH 3412 Roman Republic (4) AS HTY
A study of the Roman Republic from 509 B.C. to the assassination of Julius Caesar in 44 B.C., with a prelude treating Rome’s early development under royal rule. Political growth and change provide the framework for the treatment.

EUH 3413 Roman Empire (4) AS HTY
A study of Imperial Roman from the assassination of Julius Caesar in 44 B.C. to the death of the emperor Constantine in A.D. 337. Emphasized is Rome’s government of a vast Mediterranean empire including much of the near East and Europe.

EUH 3461 German History to 1870 (4) AS HTY
A political, social, and cultural approach to the history of the Germans from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

EUH 3462 German History 1870 to the Present (4) AS HTY
A political, social, and cultural approach to the history of the German Empire from 1870 through the 1970’s. The nation’s two attempts to try for world power status are highlighted, as well as the effects of Weimar republic, prototype of the embattled democracy.

EUH 3501 British History to 1688 (4) AS HTY
A study of major developments in British history from the 15th century to 1688.

EUH 3502 British History 1688 to Present (4) AS HTY
A study of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern democratic welfare state.

EUH 3574 History of Imperial Russia (4) AS HTY
A survey of social, political, economic, and cultural development in the Russian Empire from Peter the Great to Nicholas II. Topics include the expansion and modernization of the Empire, the culture of the Imperial court, peasant rebellions, social and legal reforms, the role of the West, and the collapse of the Romanov dynasty.

EUH 3576 History of the Soviet Union, 1917-1991 (4) AS HTY
A study of Soviet society under communism from the Revolution to the collapse of the USSR. Topics include the origins and development of revolutionary socialism, the Bolshevik seizure of power, Stalinism and the Great Terror, popular dissent and resistance, the treatment and experience of ethnic minorities, Gorbachev and the dissolution of the Soviet Union.

EUS 3000 Europe -SS (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EUS 3022 Russia -SS HP AF (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EVR 2901 Introduction to Environmental Science -NS (3) AS ESP
CR: EVR 2001L. An introductory lecture course linking the human and physical/biological world. The course will develop an understanding of population and resource interactions.

EVR 2001L Environmental Lab (1) AS ESP
CR: EVR 2001. A laboratory course linking the human and physical/biological world. The lab will develop an understanding of population and resource interactions and complement the lecture course.

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 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 4990 Directed Readings (1-6) AS ESP
Open to senior majors only. S/U only. Environmental science project consisting of research in a field related to environmental science and 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 4068 History and Principles of Vocational Education (4) ED EDV
An overview of current policies and principles in vocational education including their historical, sociological, and philosophical aspects. Open to majors and non-majors.

EVT 4084 Professional Development in Industrial Technical Education (1-3) ED EDV
Designed for the ITE teacher to produce fully qualified professional development. Includes the development of a personal education philosophy; attributes in creating harmonious school community relationships; and desirable student 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.
UNIVERSITY OF SOUTH FLORIDA - 2002/2003 UNDERGRADUATE CATALOG

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 methods for 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 4502 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 Equity in Schools and the Workplace -6A MW (3) ED EDV
Issues related to gender equity in schools and the workplace. Includes legal, ethical, psychological, sociological, and economic factors; males and females in traditional and non-traditional occupations.

EVT 4905 Independent Study: Industrial-Technical Education (1-4) ED EDV
PR: CI. S/U only. Specialized independent study determined by the student's needs and interests.

EVT 4909 Directed Study: Industrial-Technical Education (1-3) ED EDV
PR: CI. To extend competency in teaching field.

EVT 4926 Senior Seminar in Industrial-Technical Education (2) ED EDV
PR: Senior standing; CR: EVT 4940. Synthesis of teacher candidate's courses in complete college program.

EVT 4928 Internship: Industrial-Technical Education (1-12) ED EDV
CR: EVT 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours.

EVT 4946 Supervised Field Experience: Industrial-Technical Education (1-6) ED EDV
PR: CI. S/U only. Planned supervised functions in the area of specialization and coordinated with selected schools, government, offices, social agencies, businesses and industries on site.

EVT 5369 Preparation and Development for Teaching (4) ED EDV
The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.

EVT 5601 School Authority Development (4) ED EDV
Identifying, assessing, and analyzing, individual, institutional and community needs for the purpose of cooperative program planning, community involvement, and public support.

EXP 4104 Sensory Processes (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Psycophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.

EXP 4204C Perception (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Topics include sensory and physiological bases of perception, and how people process relevant information in their environments.

EXP 4304 Motivation (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. A survey of motivational processes and mechanisms from physiological and psychological viewpoints.

EXP 4404 Psychology of Learning (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.

EXP 4523C Cognitive Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.

EXP 4640 Psychology of Language (3) AS PSY
Historical surveys 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) VP ART
Exploration of the history of the film through selected films from its beginnings to the present time. Open to both majors and non-majors.

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) VP ART
Intermediate problems in film with emphasis on the exploration of materials and media and the development of individual concepts.

FIL 3510 World Cinema -FA (4) VP 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) VP 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) VP ART
PR: PGY 4520C. Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions.

FIN 2104 Personal Finance (3) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Survey of the problems and techniques of personal financial planning. Includes consumer credit, insurance, home ownership, and personal investing, with attention given to current economic and financial constraints.

FIN 2106 Introduction to Investments (3) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA. Emphasizes the operations of the security markets and the risks and returns of alternative investment media. Designed for non-business administration students.

FIN 2935 Selected Topics in Finance (1-6) BA FIN
Not available for credit to upper-level students who have been admitted to the College of Business Administration. Topics to be selected by department chairs.

FIN 3233 Money and Banking (3) BA FIN
PR: ECO 2013. Examines the structure and operations of our monetary system, commercial banking, central banking, money, and capital markets, and provides an introduction to monetary theory and policy.

FIN 3403 Principles of Finance (3) BA FIN
PR: ACG 2071 or CI and ECO 2023. Study of the processes, decisions structures, and institutional arrangements concerned with the use and acceptance of funds by a firm. Includes the management of the asset and liability structure of the firm under certain and risky situations. The financial decision process will include and recognize the international as well as domestic aspects of financial management.

FIN 3604 International Finance (3) BA FIN
PR: ECO 2013 and FIN 3403 or CI. Study of factors affecting international business, assessment of risks, international managerial finance, institutions and instruments of international business finance.

FIN 4245 Federal Reserve System and Monetary Policy (3) BA FIN
PR: FIN 3233 or CI. An analysis of the Federal Reserve System, with special emphasis on monetary theory and the formulation and administration of monetary policy.

FIN 4303 Financial Institutions and Markets (3) BA FIN
PR: FIN 4304. 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 4303 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 4304. An analysis of short-term financial management; i.e., policies and decisions related to managing the current operations of a firm. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Restrictions</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 4414</td>
<td>Advanced Corporation Finance</td>
<td>(3) BA FIN</td>
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<td></td>
<td>PR: FIN 4047. An examination of financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganization.</td>
</tr>
<tr>
<td>FIN 4433</td>
<td>Financial Policies and Strategies</td>
<td>(3) BA FIN</td>
<td></td>
<td></td>
<td>PR: FIN 4414. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.</td>
</tr>
<tr>
<td>FLE 4400</td>
<td>Financial Statement Analysis</td>
<td>(3) BA FIN</td>
<td></td>
<td></td>
<td>PR: FIN 3403 Provides an understanding of the relationship between financial statements produced in accordance with GAAP and the informational content such statements provide. After completing the course, the student should have a better understanding of the usefulness of the published financial statements to various users in a variety of circumstances.</td>
</tr>
<tr>
<td>FIN 4504</td>
<td>Principles of Investments</td>
<td>(3) BA FIN</td>
<td></td>
<td></td>
<td>PR: ECO 2013 and FIN 3403. Survey of the risks and returns of investment media in relation to the investment objectives of individual and institutional investors. Includes an examination of the capital markets, information flows, and analytical techniques in terms of their impact upon the valuation process.</td>
</tr>
<tr>
<td>FLE 4514</td>
<td>Advanced Investment Analysis and Management</td>
<td>(3) BA FIN</td>
<td></td>
<td></td>
<td>PR: FIN 4504. A comprehensive study of security analysis and portfolio management. The course will utilize a qualitative approach to investment selection and management.</td>
</tr>
<tr>
<td>FIN 4905</td>
<td>Independent Study</td>
<td>(1-3) BA FIN</td>
<td></td>
<td></td>
<td>PR: CI, CC. S/U only. Specialized independent study determined by the students' needs and interests.</td>
</tr>
<tr>
<td>FLE 4915</td>
<td>Independent Research</td>
<td>(1-3) BA FIN</td>
<td></td>
<td></td>
<td>PR: CI. The research project will be mutually determined by the student and instructor.</td>
</tr>
<tr>
<td>FLE 4934</td>
<td>Selected Topics in Finance</td>
<td>(1-3) BA FIN</td>
<td></td>
<td></td>
<td>PR: Topics to be selected by instructor and department chairperson on pertinent finance issues.</td>
</tr>
<tr>
<td>FLE 4930</td>
<td>Technology in the Foreign and Second Language Classroom</td>
<td>(3) ED EDX</td>
<td></td>
<td></td>
<td>This course prepares pre-service and in-service teachers to infuse technology into foreign language and ESOL instruction. Students will develop technology skills and knowledge based on sound pedagogical principles that reflect research and theory in Second Language Acquisition and will apply this practical and theoretical knowledge to K-16 Foreign Language/ESOL instructional situations.</td>
</tr>
<tr>
<td>FLE 4314</td>
<td>Methods of Teaching Foreign Languages and ESOL in the Elementary School</td>
<td>(3) ED EDX</td>
<td></td>
<td></td>
<td>PR: EDG 4620 or concurrent registration. Fluency in target language and in English; Methods of planning and teaching foreign language in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom.</td>
</tr>
<tr>
<td>FLE 4310</td>
<td>Teaching Students with Limited English Proficiency</td>
<td>(3) ED EDX</td>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>FLE 4316</td>
<td>Language Principles and Acquisition</td>
<td>(1-3) ED EDX</td>
<td></td>
<td></td>
<td>PR: FLE 4316. Overview of applied Second Language Acquisition theory and the components of language, linking them to methods and techniques of providing comprehensible instruction and supporting the development of oral proficiency and literacy skills for (LEP) children.</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Methods of Teaching Foreign Languages and ESOL in the Secondary School</td>
<td>(3) ED EDX</td>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>FLE 4365</td>
<td>ESOL Competencies and Strategies</td>
<td>(1-3) ED EDX</td>
<td></td>
<td></td>
<td>Designed to enable participants to meet the special limitations and cultural educational needs of LEP students in content area classes. Designed to provide a theoretical and practical foundation for ESOL competencies and strategies.</td>
</tr>
<tr>
<td>FLE 4370</td>
<td>Practicum in Foreign Language Teaching in the Secondary School</td>
<td>(3) ED EDX</td>
<td></td>
<td></td>
<td>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 classroom. Will include observation and practice in a K-12 classroom as well as class meetings.</td>
</tr>
<tr>
<td>FLE 4386</td>
<td>Seminar in Foreign Language Education</td>
<td>(2) ED EDX</td>
<td></td>
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<td>PR: Senior standing. Required concurrently with internship. Synthesis of teacher candidate’s courses in complete college program.</td>
</tr>
<tr>
<td>FLE 4390</td>
<td>Internship: Foreign Language Education</td>
<td>(1-12) ED EDX</td>
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<td></td>
<td>PR: FLE 4300. An undergraduate 3 credit course, which offers an overview of the main French speaking cultures throughout the world, outside of France. French Canada, the Caribbean, Belgium, Switzerland, the Maghreb, Sub-Saharan Africa, the Indian Ocean, the Middle East, Southeast Asia, Louisiana.</td>
</tr>
</tbody>
</table>
This is a basf course based and therefore advanced course which will not only cover the socio-economic, political and gender issues in French speaking Africa. Course materials will be available in English and French translation.

FRW 4421 Composition II (3) AS WLE
Continuation of French composition. This course is designed to follow FRE 3420.

FRW 4471 Advanced Overseas Study (1-6) AS WLE
Pr: FRE 3470 or CI. Departmental approval required. Intensive language study in France.

FRW 4500 French Linguistics (3) AS WLE
Pr: LIN 3010 or FRE 2421 or equivalent. An introduction to the phonological, morphological and syntactic structure of French.

FRW 4905 Directed Study (1-3) AS WLE
Departmental approval required.

FRW 4930 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

FRW 5425 Advanced Written Expression (3) AS WLE
Pr: FRE 4421, or equivalent. Course is designed to give advanced training in composition. Course taught in French.

FRW 5566 Contemporary France (3) AS WLE
Pr: FRE 3500 or equivalent or graduate standing. An advanced course in French civilization and culture including a study of recent social, artistic and political trends as well as various current intellectual movements. Text and discussions in French.

FRT 3001 Great French Love Stories in Translation -MW (3) AS WLE
An overview of the evolution of the concept of romantic and passionate love in French literature throughout the centuries and its impact on western literature and thought.

FRT 3140 French Literary Masterpieces in English Translation - 6A LW (3) AS WLE
A survey of the major literary works of France, tracing not only literary but cultural and historical history from the Middle Ages to the present.

FRW 4100 The French Novel -MW (3) AS WLE
Pr: FRE 3230, FRE 3420 or CI. Study of the most representative novels from the 17th - 20th centuries in France, examining literary movements, ideas, and techniques. Course taught in French.

FRW 4101 Introduction to French Drama and Poetry -MW (3) AS WLE
Pr: FRE 3230. A study of the history of drama and poetry. Will include medieval drama, Racine, Corneille, Moliere, Anouili, Sartre, Ionesco and others. Will also include Villon, Ronsard, DuBellay, Lamartine, Hugo, Vigny, Musset, Baudelaire, Mallarme, Rimbaud, Valery, Peguy, Eluard, Apollinaire, Char, and others. Course content may vary from year to year. Course taught in French.

FRW 5222 Classical Prose and Poetry (3) AS WLE
Pr: FRW 4101. Emphasis on Malherbe, Descartes, Pascal, La Fontaine, and Boileau.

FRW 5226 20th Century Poetry and Theatre (3) AS WLE

FRW 5286 The 20th Century Novel (3) AS WLE
Pr: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

FRW 5314 Classical Drama (3) AS WLE
Pr: FRW 4101, Corneille, Moliere, and Racine.

FRW 5415 Literature of the Middle Ages (3) AS WLE
Pr: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.

FRW 5425 Literature of the Renaissance (3) AS WLE
Pr: FRW 4100 or FRW 4101. A study of French humanism and culture including Rabelais, Montaigne, and Plaidee poets.

FRW 5445 Literary Criticism (3) AS WLE
Pr: FRW 4100. The classical tradition and the new currents of thought in the Age of Enlightenment.

FRW 5528 Pre-Romanticism (3) AS WLE

FRW 5535 Romanticism and Early Realism (3) AS WLE
Pr: FRW 4100 or FRW 4101. A study of romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo, and Balzac.

FRW 5556 Naturalism and Realism (3) AS WLE
Pr: FRW 4100 or FRW 4101. A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and Daudet.

FRW 5934 Selected Topics (1-3) AS WLE
Pr: Upper-level or graduate standing. Study of an author, movement or theme.

GAE 2000 World Regional Geography -SS HP AF (4) AS GPY
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, environmental, and physical diversity.

GAE 2100 Regional Geography (4) AS GPY
Variable title course to systematically study and compare special regions identified by the instructor.

GAE 3300 Geography of Middle America (4) AS GPY
GAE 3405 Geography of Latin America -6A (4) AS GPY
GAE 3500 Geography of Europe -6A (4) AS GPY
GAE 3554 Geography of Russia-Eurasia (4) AS GPY
GAE 3600 Geography of Africa (4) AS GPY
GAE 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 selected by department chairs.

GEB 4890 Strategic Management and Decision Making -MW (3) AS WLE
Pr: Senior standing and FIN 3403, MAN 3025, MAR 3023. The course is intended to provide a unifying, integrating, and coordinating opportunity to tie together concepts, principles, and skills learned separately in other, more specialized courses in Business Administration.

GEB 4905 Independent Study (1-3) BA GBA
Pr: CI. S/U only. Specialized independent study determined by the student’s needs and interests.

GEB 4915 Independent Research (1-4) BA GBA
Pr: CI. Individual study 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
Application 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 analysis to environmental problems. Review of impact of human activities on the surface of the earth at local and global scales.

GEO 3013 Introduction to Physical Geography -NS (3) AS GPY
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 3164C Quantitative Methods (4) AS GPY
Pr: 12 credits 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
Analysis of analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.

GEO 4114C Geographic Techniques and Methodology (4) AS GPY
Pr: GEO 3141C and GEO 3164C, or CI. Selected topics in various geographic techniques and methodologies and their application.

GEO 4114C Remote Sensing of the Environment (4) AS GPY
Pr: GEO 3140C and GEO 3164C, or CI. Analysis of satellite images and aerial photographs for studies of the environment.
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEY 4100</td>
<td>Survey of German Literature</td>
<td>4</td>
<td>AS WLE Old High German and Middle High German literature in modern German translation, the literature of Humanism and Baroque, the classical period.</td>
</tr>
<tr>
<td>GEY 4101</td>
<td>Survey of German Literature II</td>
<td>4</td>
<td>AS WLE The romanitic period, 19th and 20th centuries.</td>
</tr>
<tr>
<td>GEY 4900</td>
<td>Directed Study</td>
<td>1-3</td>
<td>AS WLE Departmental approval required.</td>
</tr>
<tr>
<td>GEY 4930</td>
<td>Selected Topics</td>
<td>1-3</td>
<td>AS WLE Study of an author, movement or theme.</td>
</tr>
<tr>
<td>GEY 5475</td>
<td>20th Century Literature to 1945</td>
<td>3</td>
<td>AS WLE A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthil, George Rilke, Kafka, Heym, Trak, Thomas Mann, Hesse, Kafka, Benn, Brecht.</td>
</tr>
<tr>
<td>GEY 5489</td>
<td>20th Century Literature: 1945 to Present</td>
<td>3</td>
<td>AS WLE Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmett, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.</td>
</tr>
<tr>
<td>GEY 5515</td>
<td>The Enlightenment</td>
<td>3</td>
<td>AS WLE Selected dramas and critical writings by Lessing, Wieland, Kant.</td>
</tr>
<tr>
<td>GEY 5554</td>
<td>Romanticism</td>
<td>3</td>
<td>AS WLE Jenaer circle and Heidelberger circle; the late romantic period, the writers between Classicism and Romanticism.</td>
</tr>
<tr>
<td>GEY 5555</td>
<td>Realism</td>
<td>3</td>
<td>AS WLE Selected works of Grillparzer, Grabbe, Buchner, Heine, Zimmerman, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Morike.</td>
</tr>
<tr>
<td>GEY 5606</td>
<td>Faust</td>
<td>3</td>
<td>AS WLE Sources, form, content, and literary significance of Urfaust and Faust.</td>
</tr>
<tr>
<td>GEY 5615</td>
<td>Schiller</td>
<td>3</td>
<td>AS WLE Selected dramas, philosophical, and aesthetic writings.</td>
</tr>
<tr>
<td>GEY 5934</td>
<td>Selected Topics</td>
<td>1-3</td>
<td>AS WLE PR: Upper-level or graduate standing. Study of an author, movement or theme.</td>
</tr>
<tr>
<td>GEY 6000</td>
<td>Introduction to Gerontology</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>GEY 3323</td>
<td>Community Services for Older Adults</td>
<td>3</td>
<td>AS GEY This class is designed to introduce students to services available to older adults and to careers in the field of aging services. Content includes theoretical and practical issues, as well as exposure to opportunities for service and employment.</td>
</tr>
<tr>
<td>GEY 3326</td>
<td>Aging in the 21st Century</td>
<td>3</td>
<td>AS GEY This course presents current concepts, theories, and policies in the aging field. Emphasis will be placed on the impact of the aging Baby Boomers, in particular, their impact in individual, family, government, and societal aging in the coming century. Consideration also is given to the post-baby boom era of the later 21st century.</td>
</tr>
<tr>
<td>GEY 3601</td>
<td>Physical Changes and Aging</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>GEY 3625</td>
<td>Sociocultural Aspects of Aging</td>
<td>3</td>
<td>AS SS AF GEY Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosphic, 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.</td>
</tr>
<tr>
<td>GEY 4322</td>
<td>Gerontological Case Management</td>
<td>3</td>
<td>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 are covered, including the elements of the case management process as well as ethical and legal issues.</td>
</tr>
<tr>
<td>GEY 4327</td>
<td>Long-Term Care Administration I</td>
<td>3</td>
<td>AS GEY PR: GEY 2000. A survey of Long Term Care (LTC) environments. Explored are issues as definitions of LTC uses, institutional setting, the sociopsychological context, and methods of evaluation and intervention.</td>
</tr>
<tr>
<td>GEY 4328</td>
<td>Long-Term Care Administration II</td>
<td>3</td>
<td>AS GEY PR: GEY 4327, ACG 2011, 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.</td>
</tr>
<tr>
<td>GEY 4329</td>
<td>Long-Term Care Administration III</td>
<td>3</td>
<td>AS GEY PR: GEY 4328, ACG 2011, 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.</td>
</tr>
<tr>
<td>GEY 4340</td>
<td>Housing for the Elderly</td>
<td>3</td>
<td>AS GEY Major issues and aspects of conventional and planned housing for the elderly. Several field trips will be taken.</td>
</tr>
<tr>
<td>GEY 4360</td>
<td>Gerontological Counseling</td>
<td>3</td>
<td>AS GEY An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.</td>
</tr>
<tr>
<td>GEY 4401</td>
<td>Research Methods in Gerontology</td>
<td>3</td>
<td>AS GEY PR: STA 2122 or equivalent with a grade of C or better. Restriction to Gerontology majors, others by departmental permission. Methods and techniques of social science research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.</td>
</tr>
<tr>
<td>GEY 4608</td>
<td>Alzheimer's Disease Management</td>
<td>3</td>
<td>AS GEY PR: GEY 2000 or GEY 3326. This course will provide instruction on effective approaches for providing care to persons with Alzheimer's Disease and related disorders in residential and home care settings. The major dementing disorders and typical behaviors presented will be practiced and dealt with by strategies for successful behavior management. Building a dementia program and building dementia care teams are also covered.</td>
</tr>
<tr>
<td>GEY 4612</td>
<td>Psychology of Aging</td>
<td>3</td>
<td>AS SS 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 psychopathology.</td>
</tr>
<tr>
<td>GEY 4628</td>
<td>Minority Aging</td>
<td>3</td>
<td>AS GEY Minority status, race, and ethnicity are socially constructed concepts that reflect our aging society's value systems, prejudices, and social stratification. This course, which is not restricted to majors nor repeatable for credit, will expose students to these concepts through a life course and political economy perspective.</td>
</tr>
<tr>
<td>GEY 4635</td>
<td>Business Management in an Aging Society</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>GEY 4641</td>
<td>Death and Dying</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>GEY 4647</td>
<td>Ethical and Legal Issues of Aging</td>
<td>3</td>
<td>AS GEY A consideration of the major ethical and legal issues in aging and their implications for personal, family, and societal aging.</td>
</tr>
<tr>
<td>GEY 4900</td>
<td>Directed Readings</td>
<td>1-3</td>
<td>AS GEY PR: CI. A reading program with topics in gerontology conducted under the supervision of a faculty member.</td>
</tr>
<tr>
<td>GEY 4935</td>
<td>Special Topics in Gerontology</td>
<td>3</td>
<td>AS GEY Courses on topics such as retirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered.</td>
</tr>
<tr>
<td>GEY 4945</td>
<td>Field Placement</td>
<td>1-3</td>
<td>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 BA program (6 hours), or to a nursing home if in the BS program (9 hours).</td>
</tr>
<tr>
<td>GEY 5620</td>
<td>Sociological Aspects Of Aging</td>
<td>3</td>
<td>AS GEY Examines sociological aspects of reference, the interrelationships between the aged (or aging) and the structure and function of the social system and its major institutionalized subsystems.</td>
</tr>
<tr>
<td>GEY 5630</td>
<td>Economics and Aging</td>
<td>3</td>
<td>AS GEY Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security and other support systems.</td>
</tr>
<tr>
<td>GEY 5642</td>
<td>Perspectives of Death and Dying</td>
<td>3</td>
<td>AS GEY Study of the various psychological, medical, legal, and religious problems caused by dying and death, and how individuals and groups have responded in the past and present.</td>
</tr>
</tbody>
</table>
GLY 2010 Dynamic Earth: Introduction to Physical Geology -NS (3) AS GLY
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
PR: GLY 2010 or concurrent registration. 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 2015L Essentials of Geology Laboratory (1) AS GLY
Fundamental concepts and skills of modern geology, including rock and mineral identification, analysis of geologic maps, field analysis, and applications of computers in Geology. Required field trip.

GLY 2030 Hazards of the Earth’s Surface: Environmental Geology -NS (3) AS GLY
May substitute for GLY 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 2036 Earth and Environmental Geology -NS (3) AS GLY
May substitute for GLY 2010 for geology majors. This course examines the geology of the earth and the environment, using an earth systems approach that looks at interactions between the lithosphere, atmosphere, hydrosphere, and biosphere. Students 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 geologic discoveries. Open University course; taught via internet and TV. Open University college; taught via internet and TV.

GLY 2040 Origins: From the Big Bang to the Ice Age -NS (3) AS GLY
May substitute for GLY 2010 for geology majors. The history of the cosmos, origin of the universe, galaxies, the solar system, and evolution of life. In the beginning, the formation of the major groups of organisms, plate tectonics, and interpretation of ancient environments.

GLY 2100 History of the Earth and Life -NS (3) AS GLY
PR: A course in geology. Required for Geology majors; open to non-majors. Study of the physical and biological history of the earth including evolution of the major groups of organisms, plate tectonics, and interpretation of ancient environments.

GLY 2100L Earth History Laboratory (1) AS GLY
Laboratory study of the history of the earth and life. Required for Geology majors; open to non-majors.

GLY 2930 Selected Topics in Geology (1-3) AS GLY
Does not count toward the geology major. Topical courses in geology of general interest.

GLY 3311 The Solid Earth: Petrology and Geochemistry (4) AS GLY
Igneous and metamorphic rocks of modern and ancient tectonic environments. Rock-forming processes at plate margins and in intraplate sites. Essentials of hand specimen and microscopic mineralogy. Required field trip. Lec-lab. May not be repeated for credit.

GLY 3420C The Solid Earth: Plate Tectonics and Earth Structure (4) AS GLY
PR: 4 hrs. introductory geology including GLY 2015L; MAC 2312 or equivalent; PHY 2048. Plate tectonic theory and its implications; the formation of structural features on outcrop and regional scales. Field and geophysical tools for structural analysis. Required field trip. Lec-Lab.

GLY 3552C Sedimentary Record 1: Sedimentary Processes and Paleontology (4) AS GLY

GLY 3554C The Earth’s Surface (4) AS GLY
PR: At least one course in Geology with lab. Principles of weathering, erosion, production, and transport of sediment on the earth’s surface, and the resulting geomorphology. Modern sedimentary environments and the process-response systems they have given.

GLY 3610C Introduction to Invertebrate Paleontology (4) AS GLY
PR: All prerequisite courses equivalent to or higher or concurrent registration. Required for Geology majors; open to anyone with at least one course in geology with lab. Course is open to anyone with at least one course in geology with lab. Not available as a degree major. May substitute for GLY 2010 for geology majors. The nature, history and philosophy of science intended primarily for non-science majors. Consideration of science as a way of knowing through examples taken primarily from historical geology and biology (e.g., extinction of the dinosaurs, continental drift, evolution) but also from physics and astronomy. Consideration of social relevance of science.

GLY 4045 Moons, Planets and Meteors: An Introduction to Planetary Science -XMW (3) AS GLY
PR: Junior standing. Solar System exploration, from Aristotle to NASA. Modern views on the origins of meteorites, the Moon, and the 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 4104C Sedimentary Record 3: Paleontology and Earth Evolution (4) AS GLY
PR: GLY 2015L, GLY 3552C, BSC 2010. The study of "deep time", including how it is measured, how it is correlated over the Earth’s surface, and how important physical, biologic and chemical geologic processes have varied with time. Lec.-Lab.

GLY 4145 Computational Geology (3) AS GLY

GLY 4734 Beaches and Coastal Environments -MW (3) AS GLY
A comprehensive introduction to the nature of all coastal environments including beaches, dunes, tidal inlets, estuaries, reefs, and river deltas. Emphasis will be on the natural state of these environments and how human activities have and will impact them. Consideration of coastal management policies involving economics, ethics, policy, and environmental law.

GLY 4780 Geological Field Studies (1-3) AS GLY
PR: 1 geology course. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field description techniques introduced. Topic/destination of trip varies. Trip requires camping and vigorous physical activity. Lec. Field trip.

GLY 4805 Geology and Development of Modern Africa -MW (3) AS GLY
An in-depth look at how geology has affected the politics, history and culture of Africa. Units include the Nile and hydropolitics, deserts and climate, rifts and hominid evolution, and mining and politics.

GLY 4820C Fluid Earth 2: Hydrogeology (4) AS GLY
PR: GLY 2015L, PHY 2048, MAC 2281. CR: MAC 2312. Ground water flow systems, ground water geology, introduction to numerical and analytical 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. SU Only. Weekly topical lectures by faculty, graduate students and invited speakers.

GLY 4921 Geocommunication (3) AS GLY
A course in communicating within the disciplines of the earth sciences. Emphasis will be on: writing for publication and technical reports, preparation and presentation of posters, and preparation and presentation of oral papers in earth sciences. Course is open to anyone majoring in geology, geography, anthropology or environmental science and policy. Course is not available on an S/U basis for geology majors; it is for other majors.

GLY 4921 Geocommunications (3) AS GLY
PR: Twelve (12) or more hours upper level geology courses. A course in communicating within the disciplines of the earth sciences. Emphasis will be on: writing for publication and technical reports, preparation and presentation of posters, and preparation and presentation of oral papers in earth sciences. Course is open to anyone majoring in geology, geography, anthropology or environmental science and policy. Course is not available on an S/U basis for geology majors.

GLY 4930 Selected Topics in Geology (1-4) AS GLY
Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of geology included.

GLY 4946L Practical and Applied Geology: Teaching Experience (1) AS GLY
PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or CR: CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to give students experience in teaching geology. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4947L Practical and Applied Geology (1) AS GLY
PR: at least two upper-level courses required for the major. Modular course designed to give students field and laboratory experience. It is composed of one-credit modules taught by various members of the Geology faculty focusing on a range of geologic issues and problems.

GLY 4948L Practical and Applied Geology: Field Experience (1) AS GLY
PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or CR: CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to teach the basic skills of a practicing field geologist. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4948L Practical and Applied Geology: Computational Experience (1) AS GLY
PR: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses, or CR: CR: Enrollment in other Practical/Applied sections. Completion of Geology supporting course sequence highly recommended. Hands-on course designed to teach the basic computational skills of a practicing geologist. Topics vary widely, with several different offerings each semester. May be repeated for credit.

GLY 4970 Undergraduate Honors Thesis (3) AS GLY
Open to seniors admitted to the Geology undergraduate honors program. Students will complete an independent research project under supervision of a faculty member, and present results in a senior thesis and a public presentation.

GLY 5752 Geological Field Excursion (2) AS GLY
PR: Senior standing in geology or CR. Lectures and 2-3 week field excursion to study regional geology, landscape, and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques are emphasized. Destination of trip varies. Trip requires camping and vigorous physical activity. Lec.,field trip.

GLY 5965 Statistical Models in Geology (3) AS GLY
PR: STA 2023 or equivalent or CR. Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance and regression models to problems in geology. 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.

GRA 3545 Graphic Design I (3) VP ART
Restricted to majors. This course explores the application of formal design principles to visual problem solving through typography, layout, and web design. Students will apply conventional and electronic tools and techniques to the graphic design process.

GRA 3548 Computer Graphics (3) VP ART
Restriction to majors. This course is the continuation of Graphic Design I. The coursework emphasizes the utilization of electronic media and visual problem solving. Students will increase their skill with web based design and photo-editing software.

GRA 3549 Multimedia Systems I (3) VP ART
Restriction to majors. This course introduces multimedia systems and focuses on their use as tools in the production of digital multimedia. Content covers all key hardware, navigation, and operating components.

GRE 1120 Beginning Classical Greek I (4) AS WLE
An introductory course in classical Greek grammar with appropriate readings.

GRE 1121 Beginning Classical Greek II (4) AS WLE
PR: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2040 New Testament Greek I (4) AS REL

GRE 2041 New Testament Greek II (4) AS REL

GRE 2200 Intermediate Classical Greek (4) AS WLE
PR: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

GRK 1120 Beginning Modern Greek I (4) AS WLE
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 WLE
CR: CR: GRK 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only.

GRK 1121 Modern Greek II (4) AS WLE
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 WLE
CR: CR: GRK 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only.

GRK 2200 Modern Greek III (4) AS WLE
PR: GRK 1121 or equivalent. For language students who intend to attain basic proficiency.

GRK 2201 Modern Greek IV (4) AS WLE
PR: GRK 2200 or its equivalent. Continuation of GRK 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

GRK 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

GRK 4930 Selected Topics (1-5) AS WLE
Departmental approval required. Permits study options in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

GRW 4905 Directed Reading (1-4) AS WLE
Departmental approval required.

GRW 5905 Directed Reading (1-4) AS WLE
Departmental approval required.

GRW 5934 Selected Topics (4) AS WLE
Available to majors and non-majors. Study of an author, movement or theme.

HBR 1120 Modern Hebrew I (4) AS WLE
CR: HBR 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

HBR 1120L Modern Hebrew I Laboratory (1) AS WLE
CR: CR: HBR 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only.

HBR 1121 Modern Hebrew II (4) AS WLE
PR: HBR 1120 or its equivalent; CR: HBR 1121L. 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 WLE
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 IV (4) AS WLE
PR: HBR 1121 or the equivalent. For language students who intend to attain basic proficiency.

HBR 2201 Modern Hebrew IV (4) AS WLE
PR: HBR 2200 or the equivalent. Continuation of HBR 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

HBR 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Modern Hebrew not available in the regularly scheduled curriculum at departmental discretion.

HEB 1120 Basic Hebrew I (4) AS REL
Designed to give students a working knowledge of Classical (Biblical) Hebrew and to introduce them to the Biblical literature in the original language.

HEB 1121 Basic Hebrew II (4) AS REL
Designed to give students a working knowledge of Classical (Biblical) Hebrew and to introduce them to the Biblical literature in the original language.

HIS 2931 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 3300 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. Does not count for History major or minor credit.

HIS 3474 Science and Civilization (4) AS HTY
A thematic study of the interrelationship of science and society in modern history emphasizing the institutional forms, value structures, and social relations as science as they have developed from the scientific revolution to the present.

HIS 3930 Special Topics (2-4) AS HTY
This course is designed to emphasize a selected historical problem or issue that is meaningful and challenging to the student. A variety of instructional approaches will be taken to the material. Topics will be changed each semester.

HIS 3938 Major Issues in History -MW (3) AS HTY
This course provides an introduction to the disciplines of history by examining a specific historical issue and its relation to at least one of the following dimensions: gender, race and ethnicity, international perspectives, environmental perspectives. Does not count for History major or minor credit.

HIS 4104 Theory of History (4) AS HTY
Required of all history majors. Recommended to be taken during the senior year. An analysis of the foundations of historical knowledge and historical methodology. Includes a survey of historical thinking and writing from ancient times to the present.

HIS 4900 Directed Reading (1-4) AS HTY
PR: CI. Arrangement with instructor prior to registration. Readings in special topics.

HIS 4920 Colloquium in History (2-4) AS HTY
Reading and discussion of selected topics in the various fields of history. The subject and scope of inquiry will be determined by the instructor for each section.

HIS 4936 Pro-Seminar in History -6A MW (4) AS HTY
PR: CI. Required of all history majors. Advanced topics in the various fields of history. Emphasis on discussion of assigned readings and on research and writing of a major paper.

HLP 2081 Personal Wellness: A Lifetime Commitment (3) 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 and social 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, health instruction and health education in the physical education program.

HLP 4941 Wellness Internship (12) ED EDP
Open to Wellness Leadership Physical Education Majors only. S/ U only. Supervised performance in adult fitness and/or wellness programs. Full semester on-site.

HSA 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.

HSC 2100 Contemporary Health Science -SS (3) PH CFH
A comprehensive approach to health concerns and problems in contemporary society, including methods of assessing individual health needs.

HSC 2400 First Aid (2) ED EDP
Meets the American Red Cross certification requirements in standard and advanced first aid.

HSC 2933 Selected Topics in Public Health (1-6) PH PHC
Overview of major public health and health related issues of interest to undergraduates. Course explores a variety of health topics that are related to improving the health and health behaviors of individuals, groups and communities. Specific topics may vary each semester. No prerequisites. Majors and non-majors. May be repeated for up to 6 credits.

HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child (3) ED EDP
Provide students with the knowledge to teach developmentally appropriate motor activities; to provide continuous health services; to create and maintain a healthy learning environment; to provide 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 human body systems and methods by which these concepts may be taught.

HSC 4544 Survey of Human Diseases (3) PH CFH
PR: Fund. of Biology with Lab or CI. An overview of the nature, types, and mechanisms of diseases of the 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.

HSC 5319 Problems of School Age Population (3) PH CFH
Study of health problems and needs of school age students, including a health status screening laboratory.

HUM 1030 The Arts -FA (3) AS HUM
Analysis 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 2343 Studies in Culture: The Renaissance Through the Twentieth Century -HP (3) AS HUM
A historical survey of the visual arts, literature, music and thought of Europe from the Renaissance through the twentieth century. Issues to be examined include the relationship between science and the arts and the consequences of the growing contacts among world civilizations and the impact of technological change.

HUM 2930 Selected Topics (1-4) AS HUM
An introductory course dealing with a recurrent theme in the arts or focusing on a particular artistic center (a nation or city at a particular time).

HUM 3251 Studies in Culture: The Twentieth Century -HP (3) AS HUM
Analyses of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major 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 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 Renaisans 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. Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.

HUM 4404 Humanities in China (4) AS HUM
PR: Sophomore standing or CI. Examples from the arts and letters of China; their relationship to Taoism, Confucianism and other Chinese philosophies; Western influences on twentieth century Chinese arts and letters.

HUM 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 4437 Italian Renaissance Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the painting, literature, music, sculpture and architecture of early modern Italy (1300-1600), emphasizing humanism, the revival of antiquity, the tension between sacred and secular, and artists such as Michelangelo, Titian, Raphael.

HUM 4438 Northern Renaissance Culture (4) AS HUM
PR: Sophomore standing or CI. A study of the Northern Renaissance, 1400-1580, as exemplified in Germany, France, the Netherlands, England, and Spain. The course includes painting, architecture, literature and music, with special study of Durer, Van Eyck, El Greco, and Bosch.

HUM 4440 Arts and Letters in the 17th and 18th Centuries (4) AS HUM
PR: Sophomore standing or CI. A study of the visual arts, literature and music from the mysticism and ornament of the Baroque to the rationalism and classicism of the Enlightenment, including such artists, authors and composers as Rembrandt, Gentileschi, Voltaire, Bach, and Mozart.

HUM 4442 Arts and Letters of the Romantic Period (4) AS HUM
PR: Sophomore standing or CI. Continental masterworks of fiction, painting, and music in the context of European cultural history from the French Revolution to the Revolutions of 1848.

HUM 4444 Nineteenth Century European Arts and Letters (4) AS HUM
PR: Sophomore standing or CI. A study of continental literary, musical, and artistic masterworks from the Revolutions of 1848 until the outbreak of World War I.

HUM 4445 Twentieth Century Arts and Letters I (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4446 Twentieth Century Arts and Letters II (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4452 Nineteenth Century American Culture (4) AS HUM
PR: Sophomore standing or CI. Study of selected works of art, tracing the course of American expansionism in civilization, and the interaction between the arts and the sciences in American ways of life and work, 1790-1890.

HUM 4464 Latin American Culture Since 1492 (4) AS HUM
PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the colonial through contemporary periods.

HUM 4905 Directed Study (1-4) AS HUM
PR: CI. Specialized individual study determined by the student's interests and needs.

HUM 4909 BIS Humanities, Independent Study (15) AS BIS
S/U only.

HUM 4930 Selected Topics in Humanities (1-4) AS HUM
PR: Sophomore standing or CI. This course will deal with a recurrent theme in the arts as, for example, love or death, or will focus on artistic centers such as Renaissance Florence or Paris in the 1920s. Topics will vary.

HUM 4931 Seminars 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 relating to that issue will be read, and works of art in different media that have relevance to the debate will be studied. Available to majors and non-majors.

HUM 4939 BIS Humanities Seminar (15) AS BIS
PR: BIS HUM 4909 or CI. S/U only.

HUM 4940 Internship in Humanities (1-4) AS HUM
A structured, out-of-classroom learning experience providing firsthand, practical training in Humanities-related professional careers in the community.

HUN 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, interpretation of current nutrition information and application of nutrition knowledge in the establishment of good eating habits.

HUN 4444 Clinical Nutrition (3) NU NUR
PR: HUN 2201 or equivalent. Focuses on the role nutrition has in causing and preventing disease processes.

IDH 2009 Discovery: People, Processes and Problems (3) HC HON
PR: Admission to Honors Program. An appreciation of the research process in multiple disciplines culminating in the production of a collaboratively developed research proposal.

IDH 2010 Acquisition of Knowledge (3) HC HON
PR: Admission into the Honors Program. An appreciation of the problems of how society is organizing, proceeds through operations such as perception, classification, and inference, among others, as well as the open philosophic questions behind the operations.

IDH 2930 Selected Topics (1-4) HC HON
PR: IDH 2010 or CI. This course is designed to emphasize a selected problem or issue that is meaningful and challenging to University Honors students and special populations. A variety of instructional approaches will be used. Topics will vary each semester. Repeatable for a total of 8 credits.

IDH 3100 Arts/Humanities Honors (1-3) HC HON
PR: IDH 2010. An introduction to western arts and letters from the perspectives of three periods: classicism, romanticism, and modernism, the relationship of ideas to art, the similarities among the arts of a given period, and important differences between periods.

IDH 3350 Natural Sciences Honors (3) US HON
PR: 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) US HON
PR: IDH 2010. Introduction to the concerns of the Social and Behavioral Sciences, methods of inquiry, discovery, and validation of knowledge. A survey of the way various disciplines examine the question of how society is organizing, proceeds through operations such as perception, classification, and inference, among others, as well as the open philosophic questions behind the operations.

IDH 3600 Seminar in Applied Ethics (3) US HON
PR: IDH 2010. This course explores ethical issues related to selected topics such as the use of Technology, Ethics in Business, Bio-Medical Ethics, Personal Ethics Development.

IDH 4000 Honors Program Seminar: Major Works/Majors Issues (4) HC 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) HC 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 4910 Undergraduate Research (1-4) HC HON
PR: DPR. A supervised program of interdisciplinary research in areas of specific interest. Open to all USF students by application through the undergraduate research coordinator.

IDH 4930 Selected Topics (1-4) HC HON
PR: IDH 2010 or CI. This course is designed to emphasize a selected problem or issue that is meaningful and challenging to University Honors students and special populations. A variety of instructional approaches will be used. Topics will vary each semester. Repeatable for a total of 8 credits.

IDH 4950 Honors Program Project (3) HC HON
Enrollment is limited to St. Petersburg Campus Honors Program students who have completed at least one Honors Program Seminar. Senior Honors Program project consisting of an original creative work in literary, visual or performing arts, or in a community-oriented endeavor of substance and originality. Either a project or an Honors Thesis will fulfill the requirements for graduation as St. Petersburg Campus Honors Program students.
IDH 4970 Honors Thesis (3) HC 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 2664 Social Science Perspectives I - SS (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 4955 International Community Research (1-2) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with an international community research experience.

IDS 4956 International Community Internship (1-4) AS CEL
PR: CEL Program approval. To provide students with an international community internship experience. Repeatable up to 8 credit hours.

IDS 4990 BIS Inter-Area Studies (30) AS BIS
PR: ISS 4909, ISS 4939, ISC 4909, ISC 4939, HUM 4909, HUM 4939. S/U only.

INP 4004 Industrial Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, 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.

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 study of political ideology, an introduction to 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 the ways in which culture influences the nature of government, economic success or failure, and constructive and destructive modes of self and social identification.

INR 3038 International Wealth and Power - SS (3) AS INT
Introduction to the relationship between politics and economics, emphasizing the analysis of government policies in response to both domestic and international economic problems.

INR 3081 International Issues and Actors (3) AS INT
Departmental approval required. For majors and minors in 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, emphasis on goals, 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 3202 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 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 program of individual or group research in a foreign country.

INR 4035 International Political Economy (3) AS POL
Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

INR 4083 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 outburst of conflict.

INR 4250 Political Economy of the Southern Nations - SS AF (3) AS INT
A multidisciplinary study of the efforts of the nations in the South (Africa, Asia, Latin America and the Middle East) to improve their status through political and economic development.
INR 4254 Africa in World Affairs -MW (3) AS POL
An examination of Africa’s place in world affairs, including an analysis of the impact of external forces, international relations in post-colonial Africa, the relations of African states with the major world powers, the U.N. and its agencies.

INR 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 the effects of world politics, background and achievement of the UN; regional organizations and multi-national corporations.

INR 4900 Directed Readings (1-3) AS INT
PR: CI. A supervised program of intensive reading in areas 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 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 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 5058 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 4939 BIS Natural Sciences, Seminar (15) AS BIS
PR: BIS ISC 4909 or CI. S/U only.

ISM 3011 Information Systems in Organizations (3) BA QMB
PR: CGS 2100 or equivalent; ACG 2021; ACG 2071 or equivalent. May not be counted toward major requirements in MIS. An introduction to the language, concepts, structures and processes involved in the management of information systems including fundamentals of computer-based technology and the use of business-based software for support of managerial decisions.

ISM 3113 Systems Analysis and Design (3) BA QMB
PR: ISM 3011 CR: ISM 3232, with a grade of “C” or better (not C-). Study of the techniques and procedures used in assessing information requirements, analyzing information flows and processing activities, and designing computer-based business systems.

ISM 3232 Business Application Development (3) BA QMB
PR: ISM 3011 with a grade of “C” or better (not C-). Presentation of business application development using a modern programming language. Topics include data structures, indexing, file processing, and user interfaces. Good program design techniques are emphasized. Business applications are developed.

ISM 3413 Management Science Production/Operations Management Applications (3) BA QMB
PR: MAC 2233 or MAC 2243. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4133 Advanced Systems Analysis and Design (3) BA QMB
PR: ISM 3232, ISM 3113, with grades of “C” or better (not C-). This course builds previous class and/or work experience in systems development, with particular emphasis on the use of an integrated CASE tool on a team project. Students will gain an understanding of systems development problems and approaches using a variety of methods, such as, lectures, discussion, team presentations, guest speakers, demonstrations and computer labs.

ISM 4141 Web Application Development/Java (3) BA QMB
PR: ISM 3232 with a grade of “C” or better (not C-). Java will be used to introduce object oriented concepts. Programming assignments cover a variety of application features including graphical user interface design and database connectivity, multimedia, & client-server computing using Java and Java Server Pages.

ISM 4212 Database Design and Administration (3) BA QMB
PR: ISM 3113, ISM 3232, with grades of “C” or better (not C-). 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 grades of “C” or better (not C-). 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 (not C-). 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 3232 with a grade of “C” or better (not C-). The fundamental concepts 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 (not C-). This course presents an object-oriented approach to software development of business information systems. Students will learn to create object models of the business world and to develop information system designs based on these objects. The designs will be implemented by the use of the C++ or other OO programming languages.

ISM 4240 Distributed Operating Systems (3) BA QMB
PR: ISM 3232 with a grade of “C” or better (not C-). Introduction to distributed operating systems fundamentals such as distributed systems architecture, file structures, client-server, open systems, resource allocation, and basic tools for manipulating these operating environments.

ISM 4290 Senior Seminar in Information Systems (3) BA QMB
PR: ISM 3113, ISM 4212, with grades of “C” or better (not C-). A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.

ISM 4300 Managing Information Resources (3) BA QMB
PR: ISM 3113, ISM 4212, ISM 4220, with grades of “C” or better (not C-). Current issues in information systems management focusing on organizational policies, procedures and standards for managing distributed computing resources.

ISM 4382 Global Information Systems (3) BA QMB
PR: ISM 3011 with a grade of “C” or better (not C-). Role of information technology in global business organizations and challenges in building information systems to enable global operations.

ISM 4400 Decision Support Systems (3) BA QMB
PR: FIN 3403, QMB 3200, ISM 3111, with a grade of “C” or better (not C-). Emphasis on the application of information systems to support decision making. Emphasis on structured approaches to making common business decisions, demonstrating several forms of mathematical modeling and other management science techniques.

ISM 4480 Electronic Commerce Systems (3) BA QMB
PR: ISM 3011 with a grade of “C” or better (not C-). MIS major or CC. This course is designed to familiarize students with the opportunities and challenges associated with electronic commerce, to explore the underlying technologies used in commerce.
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: CI. 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**
CO: ISS 1103. Course introduces students to issues concerning the relationship between knowledge and society. Among the issues addressed are four areas of knowledge and the relationship between knowledge and other forms of human experience and different aspects of social life such as religion, morality, aesthetics, politics, and gender.

**ISS 1102 Self and Society -SS (3) AS ISS**
CO: ISS 1103. Course introduces students to issues concerning the relationship between the self (or individual) and society. Among the topics that may be addressed are the idea of human nature, how human nature is shaped by social and cultural factors; the moral obligations between individuals and society; and how our understanding of 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 Social Science (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's interest.

**ISS 4151 Native American Women (3) AS ISS**
An interdisciplinary examination of the lives of Native American Women, past and present. Topics include history, education, politics, family, etc.

**ISS 4900 Directed Readings** (1-3) AS ISS
PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

**ISS 4909 BIS Social Sciences, Independent Study** (15) AS BIS
S/U only.

**ISS 4910 Directed Research** (1-3) AS ISS
PR: CI. A supervised program of interdisciplinary research in areas of specific interest.

**ISS 4920 Seminar in the Social Sciences -MW (3) AS ISS**
PR: Senior standing and ISS 3010 or CI. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of theoretical models to research on salient social issues.

**ISS 4939 BIS Social Sciences, Seminar** (15) AS BIS
PR: BIS ISS 4909 or CI. S/U only.

**ISS 5934 Selected Topics** (1-3) AS AFA
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest.

**ITA 1120 Beginning Italian I (4) AS WLE**
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 WLE**
CR: ITA 1120L. The laboratory designed to offer additional practice using various instructional technologies and media.

**ITA 1121 Beginning Italian II (4) AS WLE**
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 WLE**
CR: ITA 1121L. S/U only. Concurrent enrollment with a lecture course is required, and, if dropped, the course will drop simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

**ITA 2200 Intermediate Italian I (3) AS WLE**
PR: ITA 1121 or equivalent. Readings in Italian on the elementary level. A review of the basic structure of spoken and written Italian.

**ITA 2240 Italian Conversation I (4) AS WLE**
To develop fluency and correctness in spoken Italian. Intensive study for conversational skill based particularly upon the current Italian idiom. Syntax is intensified and the vocabulary and idiomatic expressions expanded.

**ITA 2241 Italian Conversation II (4) AS WLE**
To assist students who have already made a start in speaking Italian, who have not had the advantages of travel or who have non-Italian speaking parents, to improve their skill in speaking Italian. Current events discussion; free conversation; prepared speeches. Differences of media, syntactical signal.

**ITA 3420 Composition (3) AS WLE**
A fundamental composition course for students who have completed ITA 2200. Emphasis is on the organization of the written word in a variety of genres and the development of the student's own voice.

**ITA 3470 Overseas Study (1-6) AS WLE**
Prior approval and early registration required. An intensive study-travel project in Italy.

**ITW 4100 Survey of Italian Literature I (4) AS WLE**
A survey of Italian literature from the earliest monuments through the classicism of the 18th century.

**ITW 4101 Survey of Italian Literature II (4) AS WLE**
A survey of Italian literature beginning with the Classicism of the 18th century and continuing to present.

**JOU 2100 Beginning Reporting** (3) AS COM
PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, news-gathering, and newswriting techniques for various media. Typing ability is required.

**JOU 3101 Advanced Reporting** (3) AS COM
PR: JOU 2100 or RTV 3301 (RTV majors only). JOU 4200 (may be taken concurrently), PHI 1103 and POS 2041. 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 supplements. Experiences in developing article ideas and analysis of magazine articles.

**JOU 3306 Critical Writing: Editorials, Reviews, Columns (3) AS COM**
PR: JOU 3101 and JOU 4200. Interpretive and opinion writing for the mass media. Analysis and discussion of current events as a basis for critical thinking and editorial writing. Evaluation of editorial pages of leading newspapers. Study of journalistic techniques involved in writing reviews and personal columns.

**JOU 3940 Reporting Practicum (1) AS COM**
PR: JOU 3101 and CI. For journalism sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

**JOU 4104 Public Affairs Reporting (3) AS COM**
PR: JOU 3101 or RTV 3301 (RTV majors only), POS 2041 and POS 2112 or POS 3142. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Emphasis is on coverage of major governmental units of all levels of government, including examination and interpretation of public documents and records.

**JOU 4200 News Editing I (3) AS COM**

**JOU 4206 Newspaper and News Publication Design Design (3) AS COM**
PR: JOU 4200 or CI. Theoretical and practical applications of newspaper and news publication design, including typography, graphics, graphics software and electronic picture editing. Exercises in design for newspapers and news publications in both print and electronic media.

**JOU 4212 Magazine Design and Production (3) AS COM**
PR: JOU 4200. Theoretical and practical application of design principles for magazines. Design software. Study of visual design, page architecture, typography, color and illustrations. Integration of design elements in the design of magazine covers. Design elements specific to magazine and production preparation.

**JOU 4941 Editing Practicum (1) AS COM**
PR: Senior standing and JOU 4200 or CI. For journalism sequence majors. S/U only. Practical experience outside the classroom
where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 4944 Magazine Practicum (3) AS COM
PR: Senior standing and CI. For journalism sequence majors. S/U only. PR: Practice carried out outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 5105 Newswriting and Editing (3) AS COM
PR: GS in Mass Communications or CI. Introduction to the basics of gathering, writing, and editing the news, with an emphasis on practical assignments done under professional conditions and standards. Emphasizes understanding the larger context and implications of news.

JOU 5305 Explorations in Newswriting (3) AS COM
PR: CC. Students work to develop writing styles, reporting on and creating stories about significant issues, events, and ideas. The course explores the notion that narrative-style journalism can be accurate, thorough, fair, and compelling, effectively bringing readers into stories and giving them a bigger stake in the news. The focus is on going beyond traditional practices of reporting and writing news stories.

JPN 1120 Modern Japanese I (4) AS WLE
CR: JPN 1120L. An intensive study of basic skills: pronunciation, listening, comprehension, speaking, and some composition.

JPN 1120L Modern Japanese I Laboratory (1) AS WLE
CR: JPN 1120. Concurrent enrollment with a lecture session is required, and, if dropped, 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 WLE
PR: JPN 1120 or equivalent. CR: JPN 1121L. A continuation of JPN 1120. Morning offered. A laboratory designed to offer additional practice using various instructional technologies and media.

JPN 11200 Modern Japanese III (3) AS WLE
PR: JPN 1121 or equivalent. Continuing study to attain basic proficiency in Japanese.

JPN 2201 Modern Japanese IV (3) AS WLE
PR: JPN 2200 or equivalent. Continuation of JPN 2200.

JPN 4905 Directed Study (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Japanese not available in regularly scheduled curriculum at departmental discretion.

JPN 4930 Selected Topics (1-5) AS WLE
Departmental approval required. Course permits study options in Japanese not available in the regularly scheduled curriculum at departmental discretion.

LAE 4314 Language Arts in Childhood Education (3) ED EDE
PR: Admission to the College of Education. Implementing a 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 expression in Childhood Education.

LAE 4323 Methods of Teaching English: Middle School (3) ED EDE
Must be taken one or two semesters prior to internship. Recommended to be taken with LAE 4464. Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for middle school students.

LAE 4335 Methods of Teaching English: High School (3) ED EDE
PR: LAE 4464. Must be taken one semester prior to internship concurrently with LAE 4530. Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for high school students.

LAE 4344 Literature in Childhood Education -6A LW (3) ED EDE
Jr./Sr. Standing The selection, evaluation and use of fiction, nonfiction and poetry for instructional, informational, and recreational purposes in Childhood Education.

LAE 4346 Teaching Literature and Writing in the Elementary Grades -6A LW (3) ED EDE
PR: Elementary Education major. This course is designed to provide students with the skills necessary to implement a coordinated literature program and an integrated writing curriculum. Not Repeatable for Credit.
LIS 1120 Beginning Latin I (4) AS WLE
An introductory course in Latin grammar with appropriate readings.

LIS 1121 Beginning Latin II (4) AS WLE
PR: LAT 1120 or equivalent. An introductory course in Latin grammar with appropriate readings.

LIS 2200 Intermediate Latin (4) AS WLE
PR: LAT 1121 or equivalent. Readings in Latin at an intermediate level.

LIN 3010 Introduction to Linguistics (3) AS WLE
Introduction to the basic principles of linguistic science; phonological and grammatical analysis and description; language change and genetic relationships.

LIN 3670 English Grammar and Usage (3) AS ENG
A course in the basics of traditional English grammar designed as a complement to our composition and creative writing courses, as a review for those students who will take preprofessional exams, and as a basic course for students interested in improving their knowledge of English. Will not be counted toward the English major.

LIN 3801 Language and Meaning -6A (3) AS WLE
A survey introduction for non-specialists to the basic principles of semantics and the way language conveys ideas. This course is also available on WUSF/TV Channel 16 by O.U. Program.

LIN 4040 Descriptive Linguistics (3) AS WLE
PR: LIN 3010 or CI. Introduction to the basic techniques of formalization of linguistic descriptions, through elementary phonological, morphological, and syntactic data-solution problems drawn from a variety of languages. Both taxonomic and generative analysis and descriptions will be developed and compared.

LIN 457S Language and Types of the World (3) AS WLE
A study of the major forms of drama as literature and theatre; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIN 4600 Language and Society (3) AS WLE
PR: LIN 3010. An analysis of the interrelation of a language and the structure of the society using it. The linguistic behavior patterns characteristic of particular social, political, economic, educational, and racial groups. Problems in communication between strata.

LIN 4671 Traditional English Grammar (3) AS ENG
A course primarily using the sentence diagram to present a detailed analysis of the parts of speech, verb tenses, sentence functions, and other basic grammatical classifications of traditional English grammar.

LIN 4680 Structure of American English (3) AS ENG
An introductory survey of traditional, structural, and generative transformational grammars and their techniques for the analysis and description of linguistic structure in general, and contemporary American English, in particular.

LIN 4710 Language and Communication: Acquisition and Development (3) AS WLE
PR: LIN 3010. A survey of current research and theory in the processes of normal acquisition and development of language and communication in children. The acquisition and development of phonology, syntax, semantics, pragmatics, and nonverbal communication and the role of language in general cognitive development.

LIN 4903 Directed Reading (1-3) AS WLE
PR: CI. Readings in special topics.

LIN 4930 Selected Topics (1-3) AS WLE
PR: CI. Course content depends upon students’ needs and instructor’s interest and may range over the entire field of linguistics.

LIN 5700 Applied Linguistics (3) AS WLE
Analysis of the phonological, morphological, and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers.

LIS 2001 Library and Information Science (3) AS LIS
An introduction to various types of information sources (print and electronic) and search techniques. The course is designed to instruct students how to locate, evaluate, and effectively use information.

LIS 2002 Introduction to the Internet (3) AS LIS
 Covers the history, structure, and use of the Internet, with an emphasis on using the Internet to answer educational, research, and other information-based needs.

LIS 2937 Selected Topics in Library/Information Science (1-3) AS LIS
Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues.

LIS 3361 World Wide Web Page Design and Management (3) AS LIS

LIS 4930 Selected Topics in Information Studies (3) AS LIS
Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues.

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 5937 Selected Topics in Library Studies (1-4) AS LIS
Covers a variety of topics of such areas as collection development, reference services, technical services, and administration.

LIT 2000 Introduction to Literature -6A HP (3) AS ENG
The nature and significance of literature in its various forms: fiction, drama, poetry; aspects of the techniques of reading literature for informed enjoyment. Will not be counted toward the English major.

LIT 2010 Introduction to Fiction -6A HP (3) AS ENG
A survey of the short story and novel as literary forms; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 2030 Introduction to Poetry -6A HP (3) AS ENG
A survey of the poem as literary form; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 2040 Introduction to Drama -6A HP (3) AS ENG
A survey of the major forms of drama as literature and theatre; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

LIT 3022 Modern Short Novel -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 3043 Modern Drama (3) AS ENG
A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

LIT 3073 Contemporary Literature (3) AS ENG
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.

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, Sarre, and Camus, among others.

LIT 3103 Great Literature of the World -6A MW LW (3) AS ENG
A 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. Will not be counted toward the English major.

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 3155 Modern Literature -6A MW LW (3) AS ENG
Examines major literary works of the 20th Century and explores ways in which authors have expressed the age, its great issues and conflicts, in order to gain an historical perspective that will help relate the present to the recent past. Will not be counted toward the English major.

LIT 3301 Cultural Studies and the Popular Arts -6A MW LW (3) AS ENG
A study 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. Will not be counted toward the English major.

LIT 3374 The Bible As Literature -MW (3) AS ENG
May emphasize literary types and 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. May be taken twice for credit with different topics. May be counted once toward the English major.

LIT 3383 The Image of Women in Literature -6A MW LW (3) AS ENG
A study that seeks to trace the origins 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. Will not be counted toward the English major.

LIT 3410 Religious and Existential Themes (3) AS ENG
Theological and philosophical ideas, allusions, and symbols in the writings of Dostoevsky, Nietzsche, Mann, Joyce, Eliot, Camus, Sartre, among others.

LIT 3451 Literature and the Occult -6A MW LW (3) AS ENG
An introduction to the occult tradition as a major ingredient in English, Continental, American, and Multicultural literature; analysis of the original, classification and the areas of the various magic art from classical times through the present. Focuses on values/ethics, race/ethnicity and gender; thinking and writing skills. Will not be counted toward the English major.

LIT 3700 Survey of Poetry (3) AS ENG
A chronological sampling of the major poems written in English from the Middle Ages to the present. Recommended as the first course in the poetry option.

LIT 4386 British and American Literature by Women -6A MW LW (3) AS ENG
Survey of women’s literary tradition in England and America from the seventeenth century to the present. Thematic focus includes self, marriage, sexuality, madness, race and generations. Writing intensive. Will not be counted toward the English major.

LIT 4804 Literature as Cultural Study -MW (3) AS ENG
The study of literary texts as cultural artifacts. Literary texts as historical, social, political, psychological, religious, etc. documents. Topics and works vary. Will not be counted toward the English major.

LIT 4910 Select 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. May be taken twice for credit with different topics

LNW 4381 Livy (4) AS WLE
PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.

LNW 4634 Catullus (4) AS WLE
PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.

LNW 4644 Cicero (4) AS WLE
PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

LNW 4654 Horace (4) AS WLE
PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace and some of the Ode’s tradition.

LNW 4670 Ovid (4) AS WLE
PR: LAT 1121 or equivalent. Readings in Ovid’s Metamorphoses. Study of Ovid’s technique, style, and artistry.

LNW 4900 Directed Analysis I -6A (4) AS WLE
Departmental approval required.

LNW 4930 Selected Topics (4) AS WLE
Study of an author, movement, or theme.

LNW 5930 Directed Analysis II -6A (4) AS MTH
PR: MAC 2313 and MAS 3105. Sequences, series, metric spaces, continuity, differentiation.

LMA 4122 Intermediate Analysis II -6A (3) AS MTH
PR: MAA 4211. Riemann-Stieltjes integration, uniform convergence, and related topics.

LMA 4402 Complex Variables -6A (3) AS MTH
PR: MAP 2303 or CI. No credit for students with credit in MAA 5405. Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Theorem, Cauchy Integral Formula, residue theory.

LMA 5306 Real Analysis I (3) AS MTH
PR: MAA 5402. Riemann-Stieltjes integrals, uniform convergence, Fourier series, Lebesgue measure and integration on R.

LMA 5307 Real Analysis II (3) AS MTH

LMA 5405 Applied Complex Analysis (3) AS MTH
PR: CL. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

MAC 1105 College Algebra -6A QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or 490 or better SAT Math score, or 21 or better ACT Math score, or 90 or better Elementary Algebra CPT score, or 40 or better College-Level Math CPT score. No credit for students with prior credit for MAC 1140 or MAC 1147. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, rational, exponential, logarithmic, and some trigonometric equations. Mathematical modeling of real life applications. College Algebra may be taken either for General Education credit or as preparation for or pre-calculus course.

MAC 1114 Precalculus Trigonometry -6A (2) AS MTH
PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math Score, or 24 or better ACT Math Score. CP: MAC 1140. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates.

MAC 1140 Precalculus Algebra -6A QM (3) AS MTH
PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math Score, or 24 or better ACT Math Score. CP: MAC 1140. Review of functions and graphs. Analytic geometry including conic sections and rotation of axes, systems of equations including matrix algebra and determinants, sequences and series including Binomial Theorem.

MAC 1147 Precalculus Algebra and Trigonometry -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 1105, or 550 or better SAT Math Score, or 24 or better ACT Math Score, or 60 or better College-Level Math CPT score. No credit for students with credit for either MAC 1140 or MAC 1147. This is an accelerated combination of MAC 1140 and MAC 1147; this course is best for students who have already seen some trigonometry. See the descriptions of MAC 1140 and MAC 1147.

MAC 2233 Business Calculus -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 1105, or C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 590 or better SAT Math score, or 26 or better ACT Math score, or 78 or better College-Level Math CPT score. No credit for mathematics majors or students with credit for either MAC 2241, 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 2241 Life Sciences Calculus I -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 1114 and C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. 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 2243-MAC 2244 are primarily for students from Biological Sciences, Social Sciences and Business.

MAC 2242 Life Sciences Calculus II -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 2241. 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 (4) AS MTH
PR: C (2.0) or better in MAC 1114 and C (2.0) or better in MAC 1140, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. No credit for mathematics majors or for students with credit in MAC 2233,
MAC 2282 Engineering Calculus II -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 2281. No credit for students with credit in MAC 2284 or MAC 2285.
Definite integral, trigonometric functions, log, exponential, series, applications.

MAC 2283 Engineering Calculus III -6A (4) AS MTH
PR: C (2.0) or better in 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: C (2.0) or better in MAC 1141 and C (2.0) or better in MAC 1142, or C (2.0) or better in MAC 1147, or 650 or better SAT Math score, or 29 or better ACT Math score, or 90 or better College-Level Math CPT score, and knowledge of trigonometry. No credit for students with credit in MAC 2233, MAC 2241, or MAC 2281. Differentiation, limits, differentials, extremes, indefinite integral. No credit for students with credit in MAC 2233 or MAC 2243 or MAC 2311.

MAC 2312 Calculus II -6A QM (4) AS MTH
PR: C (2.0) or better in MAC 2311 or CC. No credit for students with credit in MAC 2242 or MAC 2282. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions.

MAC 2313 Calculus III -6A (4) AS MTH
PR: C (2.0) or better in MAC 2312 or CC. No credit for students with credit in MAC 2343. Integration, polar coordinates, conic sections, vectors, indeterminate forms and proper integrals.

MAD 3000 Discrete Mathematics -6A (3) AS MTH
PR: MAC 2281 or MAC 2311. No credit for Mathematics majors. An introduction to some of the discrete mathematics that are fundamental to digital computing. Topics include sets, numbers, algorithms, Boolean algebra, computer arithmetic, elementary combinatorics and an introduction to graph theory.

MAD 4401 Numerical Analysis -6A (3) AS MTH
PR: MAP 2302 and MAS 3105. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4504 Theory of Computation -6A (3) AS MTH

MAD 5101 LISP: Programming With Algebraic Applications (3) AS MTH
PR: MGF 5306 or MAD 6510 or MAD 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: MAS 3105 or CI. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Pólya’s Theory, 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, computation skills, and mathematical reasoning.

MAE 4320 Teaching Mathematics in the Middle Grades (3) ED EDE
PR: Admission to Mathematics Education Program or DPR. Techniques and materials of instruction in middle grades mathematics topics. Students are expected to observe 15 hours in middle schools.

MAE 4312 Teaching Elementary School Mathematics II (2) ED EDE
PR: MAE 4310. Methods for teaching informal geometry, measurement, probability and statistics.

MAE 4313 Teaching Secondary School Mathematics (3) ED EDE
PR: Admission to Mathematics Education Program or DPR. Techniques and materials of instruction in mathematics. Students are expected to observe 20 hours in high schools.

MAE 4551 Reading the Language of Mathematics (2) ED EDE
PR: Admission to Mathematics Education Program or DPR. Consideration of issues related to the communication of mathematics, including reading and writing mathematics and solving verbal problems.

MAD 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 have applications for secondary school mathematics classrooms. A variety of uses of computers in mathematics instruction will also be covered.

MAD 4653 Technology for Teaching Secondary School Mathematics II (3) ED EDO
PR: Admission to Mathematics Education Program or DPR. 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.

MAE 4999 Directed Study: Mathematics Education (1-3) EDO
PR: Senior Standing and CI. To extend competency in teaching field.

MAN 4936 Senior Seminar in Mathematics Education (2) ED EDO
PR: Senior Standing; CR: MAE 4940. Synthesis of teacher candidate’s courses in complete college program.

MAN 4940 Internship: Mathematics Education (1-12) ED EDO
CR: MAE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

MAD 5875 Abstract Algebra for Teachers (3) AS MTH
PR: MAS 3105 and MAS 4301 and Bachelor’s degree or CI. No credit for Mathematics majors. Groups, fields, vector spaces as algebraic systems and hand held geometric drawing tools.

MAD 5877 Mathematical Analysis For Teachers (3) AS MTH
PR: MAC 2313 and Bachelor’s degree or CC. No credit towards Mathematics major. Limits, continuity, derivatives, differentials.

MAN 3025 Principles of Management (3) BA MAN
PR: Junior standing. Examines intrapersonal, interpersonal, group/team, organizational, and environmental (both stakeholder and societal) factors influencing the management function.

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 workers in private and public sector employment.

MAN 4120 Managerial Behavioral Laboratory (3) BA MAN
PR: MAN 3240 or equivalent. Development of direct understanding of personal, interpersonal, and intergroup factors present in 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 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 on the application of various decision science methodologies to problem situations.

MAN 4507 Operation 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. Examines the effects of international cultural differences on business practices within and outside the United States and provides methods to build synergies and establish/enhance competitive advantage via those differences.

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, successful management of the firm, and implementation if favorable.

MAN 4804 Small Business Management Counseling (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 students needs and interests.

MAN 4930 Selected Topics in Management (1-3) BA MAN
Topics to be selected by instructor and department chairperson for pertinent Management issues.

MAN 4931 Independent Research (1-4) BA MAN
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAP 2302 Differential Equations -6A (3) AS MTH
PR: MAC 2283 or MAC 2313. First order linear and nonlinear differential equations, higher order linear equations, applications.

MAP 5316 Ordinary Differential Equations I (3) AS MTH
PR: MAP 2302 and MAA 4211, or CI. Existence and uniqueness theory, properties of solutions, linear systems, stability theory. Sturm-Liouville theory, Green's functions with emphasis on applications.

MAP 5317 Ordinary Differential Equations II (3) AS MTH
PR: MAP 5316 and MAA 5307 or CI. Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixon Theory, Lyapunov functions, eigenfunction expansions.

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, classification, Green's functions, numerical solutions of differential equations. Solution of these business problems 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 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, interpreting and reporting information for use in marketing decision making.

MAR 3823 Marketing Management (3) BA MKT
PR: MAR 3023. An applications oriented study of the marketing function at an intermediate level. Emphasis upon techniques for analyzing and developing strategies. 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 applied to analyzing, organizing, planning, and controlling retail operations, both large and small.

MAR 4333 Promotion 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 for the remaining courses in the marketing curriculum.

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 objectives.

MAR 4503 Buyer Behavior (3) BA MKT
PR: MAR 3023. A study of the basic concepts of buyer behavior, including pre- and post-purchase attitudes and behavior patterns, information processing behavior, the functional areas of marketing and the buyer's decision-making process. Managerial applications to marketing are emphasized.

MAR 4824 Marketing Management Problems (3) BA MKT
PR: Senior Standing, MAR 3623, MAR 3613, and two other 3000 or 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 students' needs and interests.

MAS 1100 Conctructive Number Theory and Linear Algebra (3) US DEAP
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 (4) AS MTH
PR: MGF 3301 and either MAC 2283 or MAC 2313. First order linear and nonlinear differential equations, higher order linear equations, applications.
transformations and matrix representations, determinants, 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 (4) AS MTH
PR: MAS 3105 and either MAC 2313 or 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 (5) AS MTH
PR: MAC 2312. No credit towards Mathematics major. 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 5107 Advanced Linear Algebra (3) AS MTH

MAS 5215 Number Theory (3) AS MTH
PR: MAS 3105 and MAS 4301, or CI. Fundamental theorem of arithmetic, modular arithmetic, Chinese remainder theorem, Mersenne 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 CI. 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.

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 content 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 4301.

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 examination of bacteria important to man in agriculture, industry and as pathogens. Lab-ec.

MCB 4404 Microbial Physiology and Genetics (4) AS BIO
PR: MCB 3030C and CP: 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, biochemical, and genetic approaches to microbiology. Lec.

MCB 4404L Microbial Physiology and Genetics Laboratory (1) AS BIO
CR: 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 MTH
PR: CC. 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, CI. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and their impact on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCB 5560 Applied and Environmental Biology (3) AS BIO
PR: MCB 3030C. A study of the applications of microbiology to the food/beverage industry, agriculture, public health and bioremediation. This course is a microbiology elective and has no mandatory field trip.

MCB 5815 Medical Mycology (3) AS BIO
PR: MCB 3030C or CI. A modern biological survey of the medically important fungi (yeasts and molds) important to clinical 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 general circulation of the atmosphere. Surface and mid-latitude atmospheric circulation 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.

MET 4532C Tropical Meteorology (4) AS GPY
PR: GEO 3013, one approved Calculus course, or CI. This course examines the tropical atmosphere, its interaction with land and ocean, as well as weather and climate phenomena that are unique to the topics. Students will take an in-depth look at hurricane climatology, the El Nino and Southern Oscillation phenomenon, thunderstorms and lightning, satellite remote sensing, monsoons, sea-breeze convergence and Florida climatology, surface energy exchange, land use change and its impact on tropical climates.

MGF 1106 Finite Mathematics -6A QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. 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 QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or SAT/ACT score, or Placement Exam score. 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 Mathematics of Finance.
functions under iteration: periodicity, attractors, stability, complex systems. Cardinality, fractional dimensionality, sensitivity dependence.

MGF 3301 Bridge to Abstract Mathematics -6A QM (4) AS MTH
CP: MAC 2313 or MAC 2283. Techniques and logic of the construction of proofs. Topics will be selected from propositional logic, set theory, relations and functions, equivalence relations, Boolean algebra, cardinality, and limits.

MHF 4403 The Early History of Mathematics -6A MW (3) AS MTH
PR: MAC 2312 and upper-level standing. A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.

MHF 4406 The History of Modern Mathematics -6A MW (3) AS MTH
PR: MAC 2313. Traces the development of mathematical ideas in Western culture.

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.

MHS 4111 Multidisciplinary Behavioral Healthcare Services (3) ED EDG
Working in behavioral healthcare requires the application of specific knowledge and skills. This open enrollment course offers a practical multidisciplinary look at service delivery. Students will examine their career and educational goals in context.

MHS 4112 Human Relations Skills in Counseling -6A MW (4) ED EDG
Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relations. Lecture sessions and experiential training.

MHS 4055 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.
MMC 3602 Mass Communications and Society -SS HP(3) AS COM

MMC 4213 Media Script Writing (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for electronic media. Emphasis is on documentary presentation.

MMC 4200 History and Principles of Communications Law (3) AS COM
PR: MMC 2100 and MMC 3602. Historical and constitutional backgrounds of freedom and control of expression, statutory enactments, major court decisions and administrative rulings which affect print media, telecommunications, advertising, public relations, and new media.

MMC 4203 Communication Ethics (3) AS COM
PR: MMC 2100 and MMC 3602 or CI. A study of the fundamental principles and philosophies of ethics and their application to the decision-making process in the various professions of mass communications.

MMC 4420 Research Methods in Mass Communications (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of quantitative and historical research methods as applicable to the study of mass communications. Emphasis on survey research, evaluation of data, and report writing.

MMC 4900 Directed Reading in Mass Communications (1-3) AS COM
PR: Junior standing and CI. Reading and directed study in special topics.

MMC 4910 Individual Research in Mass Communications (1-3) AS COM
PR: Junior standing and CI. The course provides means for a student to do independent study in an area not covered by a numbered course.

MMC 4936 Selected Topics in Mass Communications Studies (1-3) AS COM
PR: MMC 2100, MMC 3602 and CI. Courses designed to meet current or specific topics of interest to instructors and students.

MMC 4945 Media Internship-Seminar (3) AS COM
PR: CI and 15 hours in Mass Comm. courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School. S/U only. Reports on experiences for discussion and evaluation.

MTG 3212 Geometry -6A (3) AS MTH
PR: MAC 2311. No credit towards Mathematics major. Focus on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometry. PR: Sophomore standing or by permission.

MTG 4214 Modern Geometry -6A (3) AS MTH
CP MAS 4301 or CI. Topics will be selected from modern plane geometry. Möbius geometry, elliptic and hyperbolic geometry. PR: MAA 4211 and MAS 3105. Metric spaces, completeness, topological spaces, subspaces, product spaces, continuity, homomorphisms, connectedness, compactness, separation axioms, countability axioms.

MTG 5256 Differential Geometry -6A (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; covering spaces, Jordan curve theorem.

MUC 2221 Composition (3) VP MUS
PR: MUT 1112 and DPR. Private instruction in original composition. Required of composition majors.

MUC 2301 Introduction to Electronic Music (3) VP 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) VP MUS
PR: Necessary competency at junior level determined by faculty jury. DPR. Private instruction in original composition. Required of composition majors.

MUC 3401 Electronic Music-Analog Synthesis I (3) VP MUS
PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3402 Electronic Music-Analog Synthesis II (3) VP MUS
PR: MUC 2301 and DPR. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3441 Electronic Music-Digital Synthesis I (3) VP MUS
PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3442 Electronic Music-Digital Synthesis II (3) VP MUS
PR: MUC 3401 or MUC 3402 and DPR. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 4241 Composition (3) VP MUS
PR: Necessary competency at senior level determined by faculty jury. DPR. Private instruction in original composition. Required of composition majors, a minimum of six semester hours.

MUC 4403 Electronic Music-Real-Time Performance (3) VP MUS
PR: MUC 3402 and MUC 3401. Established basis in electronic music media; composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4404 Electronic Music-Real-Time Performance II (3) VP MUS
PR: MUC 3402 and MUC 3401. Established basis in electronic music media; composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4501 Seminar In New Musical Systems (3) VP MUS
PR: CI. DPR. Experimental sound sources and ensemble groupings; creation of new instruments; unfamiliar sonic materials and unique social contexts for music.

MUC 4620 Jazz Composition (3) VP MUS
PR: MUT 3354 and/or DPR. Private instruction in original jazz composition. Required of All Jazz Studies Comp. majors, minimum six hours.

MUC 5625 Jazz Composition (2) VP MUS
PR: CI. Required of all composition majors. Private instruction in original composition.

MUE 2090 Theoretical Bases Of Music Education (3) VP MUS
PR: DPR. The course is designed to investigate music education practices in the schools. Through the experience and information offered in this course a student will be able to determine his/her commitment to professional music education.

MUE 2450 Beginning Woodwind Techniques (1) VP MUS
PR: Sophomore standing, woodwind instrument major or MUE 2460. DPR. The course introduces the fundamentals of woodwind instrument pedagogy. In addition basic techniques of wind instruments are taught through the study of clarinet and flute.

MUE 2460 Beginning Brass Techniques (1) VP MUS
PR: Sophomore standing, non-brass major. DPR. The course introduces the fundamentals of brass wind instrument pedagogy. In addition, basic techniques of brass performance are taught through the study of trombone and trumpet.

MUE 3421 Choral Materials Practicum (1) VP MUS
PR: DPR. A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3422 Band Materials Practicum (1) VP MUS
PR: DPR. A study of band materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3423 Orchestra Materials Practicum (1) VP MUS
PR: DPR. A study of orchestra materials, in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester.

MUE 3451 Advanced Woodwind Techniques (1) VP MUS
PR: Sophomore standing, woodwind instrument major or MUE 2460. DPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.

MUE 3461 Advanced Brass Techniques (1) VP MUS
PR: Sophomore standing, brass instrument major or MUE 2460. DPR. The course develops knowledge and skills dealing with advanced principles of teaching and performing on all brass instruments.
MUE 4210 Music For The Child (3) VP MUS
PR: Admission to the College of Education. DPR. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

MUE 4311 Music In The Elementary School (3) VP MUS
PR: DPR. A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.

MUE 4321 Foundations Of Choral Music (2) VP MUS
PR: Major status or DPR. This course deals with the development of knowledge and skills needed to effectively organize and teach a choral music program for elementary and intermediate grade level students. Include school observation and participation component.

MUE 4330 Classroom Music In The Secondary School (3) VP MUS
PR: DPR. Development and implementation of methods and techniques for teaching music to the student not participating in secondary school music performing groups.

MUE 4331 Choral Methods In The Secondary School (3) VP MUS

MUE 4332 Instrumental Music In The Secondary School (3) VP MUS

MUE 4352 Foundations Of Instrumental Music (2) VP MUS
PR: DPR. MUE 2450, MUE 2460, MVP 1211. Junior standing. Introduction and foundation of instrumental music instruction in the elementary and middle school.

MUE 4480 Marching Band Techniques (2) VP MUS
PR: Junior standing. DPR. This course is required of instrumental music education majors. It will provide the student with the needed skills in creating for and teaching the public school marching band.

MUE 4936 Senior Seminar In Music (2) VP MUS
CR: MUE 4940. DPR. Synthesis of teacher candidate’s courses in complete college program. Required concurrently with internship.

MUE 4940 Internship: Music Education (1-12) VP MUS
CR: MUE 4936. S/U only. DPR. 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) VP MUS
PR: DPR. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical ensembles.

MUG 4302 Instrumental Conducting (2) VP MUS
PR: MUG 3404 and DPR. A study of those techniques of conducting appropriate to instrumental music ensembles: accent technique, score reading, terminology, rehearsal management.

MUH 2051 Folk And Traditional Music Of World Cultures -FA AF (3) VP 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) VP MUS
Designed for majors and non-majors, this course will use live performances, videotapes, and recordings to illustrate music as practiced in America from Colonial to present times. Included in the course will be study of the contributions of various ethnic/majority groups, and discussions of the relevant social issues connected with these contributions.

MUH 3016 Survey Of Jazz -FA (3) VP MUS
For non-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) VP MUS
PR: DPR. Required of music majors; a study of the historical development of musical styles of the Medieval and Renaissance periods and of the music of those periods.

MUH 3301 Music History/Baroque And Classic -MW (3) VP MUS
PR: MUL 2111. DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods.

MUH 3302 Music History/Romantic And 20th Century -MW (3) VP MUS
PR: MUL 2111, DPR. Required of music majors; open to non-majors with DPR. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods.

MUH 4058 Intercultural Music In The Twentieth Century -MW (3) VP MUS
PR: MUH 2051 or MUL 2111. DPR. An in-depth investigation of composers born after c. 1880, from all parts of the world, who have attempted to integrate elements from two or more cultures into their compositions.

MUH 4801 History Of Jazz -FA (3) VP MUS
PR: MUL 1112, DPR. A survey of representative music exemplars of the past and present with emphasis on the study of styles and forms. Required for music majors.

MUH 5001 Issues In Music -FA AF (2-3) VP 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 vitalize concern the artist-performer.

MUH 5012 Music In Your Life -FA (3) VP 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 technique for learning to music.

MUN 1100 University Pep Band (1-3) VP MUS
This course provides performance experiences with the Pep Band. The course is open to any major area. Fall term participation in Marching Band is required prior to enrollment.

MUN 1110 University Marching Band (1) VP MUS
This course provides performance experiences with the Marching Band. The course is open to any major area.

MUN 3143 Wind Ensemble (1) VP 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) VP 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 3338 University-Community Chorus (1) VP MUS
PR: DPR. 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 vitalize concern the artist-performer.

MUN 3383 University-Marching Band (1) VP MUS
Open only to non-majors. A study of the historical development of musical styles of the Medieval and Renaissance periods and of the music of those periods.

MUN 3411 String Quartet (1) VP 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) VP 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) VP 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) VP 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.
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<td>Only. This course is required whenever a student registers for a major in music; the requirement for the successful completion of the course is attendance at ten (10) department-approved recitals/concerts throughout the semester.</td>
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**MUS 4930 Selected Topics In Music (1-4) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

**MUS 2201 Language Diction For Singers (1) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

**MUN 3714 Jazz Chamber Ensemble (1) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments, and piano.

**MUN 3713 Jazz Ensemble (1) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

**MUN 3473 Collegium Musicum (1) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

**MUS 3503 Opera Workshop (1) VP MUS**
- PR: DPR. Open to all university students with the necessary proficiency in their performance media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments.

**MUS 2010 Recital Attendance (S/U) VP MUS**
- S/U only. This course is required whenever a student registers for a major in 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) VP MUS**
- PR: DPR. Required of voice performance majors. Specialized study in Language Diction for Singers. Specific language varies, to be arranged at each course offering.

**MUS 4900 Direct Reading (1-3) VP MUS**
- PR: DPR. 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 Direct Study (1-4) VP MUS**
- PR: DPR. Independent studies in various areas of music; course of study and credits must be assigned prior to registration.

**MUS 4930 Selected Topics In Music (1-4) VP MUS**
- PR: DPR. The content of the course will be governed by student demand.

**MUS 4935 Music Senior Seminar (1) VP MUS**
- PR: DPR. S/U only. To aid majors to understand, appraise and perfect their own art through critical and aesthetic judgments of their own works, as well as the works of others in the context of the history of music.

**MUS 5905 Direct Study (1-4) VP MUS**
- PR: DPR. Independent studies in various areas of music; course of study and credits must be assigned prior to registration.

**MUT 1001 Rudiments Of Music (2) VP MUS**
- PR: MUT 2117, DPR. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 1111 Music Theory I (3) VP MUS**
- PR: DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

**MUT 1112 Music Theory II (3) VP MUS**
- PR: MUT 1111, DPR. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

**MUT 1241 Aural Theory I (1) VP MUS**
- PR: DPR. To be taken concurrently with MUT 1111, MUT 1112. Course designed to begin training in aural recognition and vocalization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

**MUT 1242 Aural Theory II (1) VP MUS**
- PR: MUT 1241. Course designed to begin training in aural recognition and vocalization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

**MUT 2116 Music Theory III (3) VP MUS**
- PR: MUT 1112, DPR. Required of music majors, continuation of MUT 1111 and 1112.

**MUT 2117 Music Theory IV (3) VP MUS**
- PR: MUT 2116, DPR. Required of music majors, continuation of MUT 1111, 1112, and 1116.

**MUT 2246 Advanced Aural Theory I (1) VP MUS**
- PR: MUT 1242. To be taken concurrently with MUT 2116, MUT 2117, DPR. Course designed to continue training in aural recognition and vocalization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

**MUT 2247 Advanced Aural Theory II (1) VP MUS**
- PR: MUT 2246. To be taken concurrently with MUT 2116, MUT 2117, DPR. Course designed to continue training in aural recognition and vocalization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

**MUT 2641 Jazz Theory And Improvisation I (2) VP MUS**
- PR: MUT 1112 and/or DPR. A study of jazz improvisational techniques and related jazz theory.

**MUT 2642 Jazz Theory And Improvisation II (2) VP MUS**
- PR: MUT 2641 or DPR. A study of jazz improvisational techniques and related jazz theory.

**MUT 3353 Jazz Composition and Arranging I (3) VP MUS**
- PR: MUT 1112 and DPR. 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) VP MUS**
- PR: MUT 3353 and DPR. 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) VP MUS**
- PR: MUT 2642 or DPR. A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students' soloing 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) VP MUS**
- PR: MUT 3663, DPR. A continuation of Jazz Styles and Analysis I with the emphasis on contemporary jazz artists. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

**MUT 4311 Orchestration I (2) VP MUS**
- PR: DPR. 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) VP MUS**
- PR: MUT 4311, DPR. 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) VP MUS**
- PR: MUT 2117, DPR. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 4421 Eighteenth Century Practice (3) VP MUS**
- PR: MUT 2117, DPR. An intensive study of the contrapuntal practice of the 18th century; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.
MUT 4571 Twentieth Century Practice (3) VP MUS
PR: MUT 2117, DPR. A study of 20th century theoretical concepts; development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

MUT 5051 Graduate Review Of Music Theory (2) VP MUS
PR: DPR. An intermediate level review of music theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.

MVB 1211 Applied Trumpet (1) VP MUS
PR: DPR. Course is open by audition only. One hour-private
lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1212 Applied French Horn (1) VP MUS
PR: DPR. Course is open by audition only. One hour-private
lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1213 Applied Trombone (1) VP MUS
PR: DPR. Course is open by audition only. One hour-private
lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1214 Applied Euphonium (1) VP MUS
PR: DPR. Course is open by audition only. One hour-private
lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1215 Applied Tuba (1) VP MUS
PR: DPR. Course is open by audition only. One hour-private
lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVB 1311 Trumpet Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1312 French Horn Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1313 Trombone Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1314 Euphonium Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1315 Tuba Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1411 Trumpet Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1412 French Horn Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1413 Trombone Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1414 Euphonium Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 1415 Tuba Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2321 Trumpet Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2322 French Horn Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2323 Trombone Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2324 Euphonium Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2325 Tuba Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 2321 Trumpet Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2422 French Horn Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2423 Trombone Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2424 Euphonium Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 2425 Tuba Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVB 3321 Trumpet Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3322 French Horn Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3323 Trombone Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3324 Euphonium Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVB 3325 Tuba Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.
MVB 3432 French Horn Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. 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.

MVB 3433 Trombone Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. 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.

MVB 3434 Euphonium Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. 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.

MVB 3435 Tuba Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. 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.

MVJ 1313 Applied Jazz Guitar Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1314 Jazz Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1319 Applied Jazz Piano Principal (2) VP MUS
PR: DPR. Required of all non-advanced undergraduate students. Required of all non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1410 Applied Jazz Piano Major (3) VP MUS
PR: DPR. Required of all non-advanced undergraduate students. Required of all non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1413 Jazz Guitar Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 1414 Jazz Bass Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2320 Applied Jazz Piano Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2323 Jazz Guitar Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2324 Jazz Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 2329 Applied Jazz Percussion Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.
MVJ 2420 Applied Jazz Piano Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2423 Jazz Guitar Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 2424 Jazz Bass Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3330 Applied Jazz Piano Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3333 Jazz Guitar Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3334 Jazz Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3339 Applied Jazz Percussion Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3430 Applied Jazz Piano Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3433 Jazz Guitar Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3434 Jazz Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 3439 Applied Jazz Percussion (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4340 Jazz Piano Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4343 Jazz Guitar Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 4344 Jazz Bass Major (2) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4444 Jazz Bass Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4449 Jazz Percussion Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 4950 Applied Jazz Performance (3) VP MUS
PR: MUT 2642 and DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVJ 5250 Applied Jazz Piano Secondary (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5252 Applied Jazz Bass Secondary (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5253 Applied Jazz Guitar Secondary (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5254 Applied Jazz Bass Secondary (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5259 Applied Jazz Percussion Secondary (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVJ 5951 Applied Jazz Performance (2) VP MUS
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVK 1111 Keyboard Skills I (2) VP MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1121 Applied Piano I (1) VP MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1311 Piano Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1411 Piano Major (3) VP MUS
PR: DPR. Required of all applied music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVK 1811 Beginning Piano I (2) VP MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVK 1821 Beginning Piano II (2) VP MUS
PR: DPR. Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVK 2111 Keyboard Skills II (2) VP MUS
PR: DPR. Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble. Private and class instruction.

MVK 2121 Keyboard Skills IV (2) VP MUS
PR: DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.
MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Principal (2) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Major (2) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (2) VP MUS
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MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Principal (2) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
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MVP 3431 Percussion Principal (2) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
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MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
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MVP 3431 Percussion Major (3) VP MUS
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MVP 3431 Percussion Principal (2) VP MUS
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MVP 3431 Percussion Major (3) VP MUS
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MVP 3431 Percussion Principal (3) VP MUS
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MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Principal (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVP 3431 Percussion Major (3) VP MUS
MVS 2323 Violoncello Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3333 Violoncello Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3332 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 3331 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4444 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4443 Cello Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4442 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4441 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4440 Applied Double Bass (2) VP 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 4433 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4432 Cello Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4431 Cello Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4344 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4343 Cello Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4342 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4341 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4340 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4339 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4338 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4337 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4336 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4335 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4334 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4333 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4332 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4331 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4324 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4323 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4322 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4321 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4314 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4313 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4312 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4311 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4304 Double Bass Major (3) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4303 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4302 Violin Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4301 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4241 Violin Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4240 Applied Double Bass (2) VP 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 4239 Applied Cello (2) VP 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 4238 Applied Violin (2) VP 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 4237 Applied Viola (2) VP 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 4236 Violoncello Principal (2) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4235 Violoncello Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4234 Double Bass Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4233 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVS 4232 Cello Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4231 Cello Major (3) VP MUS
PR: DPR. Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVS 4224 Double Bass Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.
MVW 1415 Saxophone Major (3) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 1414 Applied Flute (1) VP MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1212 Applied Oboe (1) VP MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 1213 Clarinet Major (3) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 2325 Saxophone Principal (2) VP MUS
PR: DPR. Course is open by audition only. One half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training.

MVW 2421 Flute Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 2422 Oboe Major (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3333 Clarinet Principal (2) VP MUS
PR: DPR. Necessary competency at Junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3331 Saxophone Principal (2) VP MUS
PR: DPR. Necessary competency at Junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3334 Bassoon Major (3) VP MUS
PR: DPR. Necessary competency at Junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3335 Saxophone Principal (2) VP MUS
PR: DPR. Necessary competency at Junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.
MVW 3434 Bassoon Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 3435 Saxophone Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4341 Flute Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4342 Oboe Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4343 Clarinet Principal (2) VP MUS
PR: DPR. Required of all music education and composition majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVW 4444 Oboe Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 4445 Saxophone Major (3) VP MUS
PR: DPR. Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction.

MVW 5251 Applied Flute (2) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5252 Applied Oboe (2) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5253 Applied Clarinet (2) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5254 Applied Bassoon (2) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

MVW 5255 Applied Saxophone (2) VP MUS
PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement. Private and class instruction.

NUR 3064C Physical Examination and Assessment (3) NU NUR
PR: Admission to the nursing major or CI. Focus on the use of techniques and instruments necessary for the examination of infants, children and adults. Emphasizes assessment phase of critical thinking to enable student to perform evaluations of health and illness throughout the lifespan.

NUR 3076 Fundamentals of Communication and Psycho-social Nursing (2) NU NUR
PR: Admission to the nursing major or CI. Focus on basic communication, interviewing, and psychosocial assessment skills essential for professional nursing practice. Emphasis on developing nurse relationships with individuals across the lifespan within the context of the family.

NUR 3114C Fundamentals of Nursing Practice and Foundations for Clinical Judgment (4) NU NUR
PR: Admission to the nursing major or CI. The fundamentals and foundations of nursing practice. Focus on developing critical thinking skills in applying concepts of health to meet the basic needs of the individual across the lifespan.

NUR 3125 Pathophysiology for Nursing Practice (3) NU NUR
PR: Admission to the nursing major or CI. Central concepts of pathophysiology: cells, tissues, organs and systems. Provides essential knowledge base in pathophysiology across the lifespan for professional nursing practice.

NUR 3145 Pharmacology in Nursing Practice (3) NU NUR
PR: Admission to the nursing major or CI. Focus on the basic and clinical concepts of pharmacology in nursing practice. Examines pharmacotherapeutics; pharmacodynamics; pharmacokinetics; adverse reactions and contraindications; therapeutic indications and nursing implications.

NUR 3215 Medical Surgical Nursing I (3) NU NUR
PR: NUR 3064C, NUR 3125, NUR 3114C, NUR 3076. CR: NUR 3215L. Focuses on the nursing assessment, prevention, and management of selected health care problems in adults of all ages. Critical thinking is used to analyze the effects of changes in health status and impact of nursing intervention for: patients with alteration in Fluid and Electrolyte Balance, Hemotologic System, Cardiovascular System, Pulmonary System, Renal System, Endocrine, Cancer, Multisystem Dysfunction.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Corequisites</th>
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</thead>
<tbody>
<tr>
<td>NUR 3284C</td>
<td>Gerontological Nursing (2) NU NUR</td>
<td>2</td>
<td>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.</td>
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<tr>
<td>NUR 3525</td>
<td>Psychiatric/Mental Health Nursing Clinical (3) NU NUR</td>
<td>3</td>
<td>PR: NUR 3076, NUR 3064C, NUR 3125, NUR 3114C. CR: NUR 3525L. Explores mind, body, and spirit alterations in functional health patterns experienced by patients with acute and chronic mental illness. Examines psychopathology, psychopharmacological therapies and community resources and the role of the nurse in psychiatry.</td>
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<tr>
<td>NUR 4041</td>
<td>Culture In Nursing Practice (2) NU NUR</td>
<td>2</td>
<td>PR: NUR 3113 or CI. Nursing Majors. Introduces 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.</td>
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<tr>
<td>NUR 4165</td>
<td>Nursing Inquiry (3) NU NUR</td>
<td>3</td>
<td>PR: Admission to the nursing major. Transition to professional nursing for the registered nurse, its theoretical perspective and empirical bases and essential skills for success in nursing education. Focus on developing a variety of learning strategies and approaches to academic achievement.</td>
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<tr>
<td>NUR 4194</td>
<td>An Interdisciplinary Perspective in HIV Disease - 6A MW LW (3) NU NUR</td>
<td>3</td>
<td>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 the media has shaped the epidemic.</td>
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<tr>
<td>NUR 4216</td>
<td>Medical Surgical Nursing II (4) NU NUR</td>
<td>4</td>
<td>PR: NUR 3215, NUR 3215L, NUR 3145. CR: NUR4216L. Focus on the nursing assessment, prevention, and management of multiple health care problems. Critical thinking is used to analyze the effects of changes in health status and the impact of nursing intervention for patients with alterations in Visual and Auditory systems, Neurological systems, Musculoskeletal systems, Gastrointestinal systems, and Reproductive systems.</td>
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<tr>
<td>NUR 4421</td>
<td>Women's Health Nursing (2) NU NUR</td>
<td>2</td>
<td>PR: NUR 4216, NUR 4216L. CR: NUR 4635L, NUR 4636, NUR 4355. Focus on health promotion, identification of risk factors, illness care, and health restoration related to the physiological and psychological changes occurring during a woman's life cycle phases.</td>
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<tr>
<td>NUR 4635L</td>
<td>Integrated Nursing Clinical: Community/Public Health, Children and Adolescent Health, and Women's Health (7) NU NUR</td>
<td>7</td>
<td>PR: NUR 4216, NUR 4216L. CR: NUR4421, NUR 4636, NUR 4355. Provides clinical learning experiences in diverse community and hospital settings. Focuses on nursing care designed to prevent and/or reduce risk of disease and injury, promote health and wellness, and treat illness and injury in children, adolescents, adults and families, and diverse community populations across the age spectrum.</td>
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<tr>
<td>NUR 4636</td>
<td>Community/Public Health: Population-Focused Nursing (3) NU NUR</td>
<td>3</td>
<td>PR: NUR 4216, NUR 4216L or CI. In-depth examination of community health nursing, public health, epidemiology, culture, and environment essential to preventing illness and injury and promoting and preserving health among diverse populations at risk.</td>
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<tr>
<td>NUR 4643</td>
<td>Nursing Interventions into the Acute Effects of Drug and Alcohol Abuse (2) NU NUR</td>
<td>2</td>
<td>Focuses on the assessment and treatment of individuals and families who are in the acute phases of addiction. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for cultural, socioeconomic, political and ethical/legal factors.</td>
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<tr>
<td>NUR 4644</td>
<td>Nursing Interventions into the Rehabilitation of Clients who Abuse Substance (2) NU NUR</td>
<td>2</td>
<td>Focuses on models of treatment and interventions for clients and families who are in the rehabilitation and relapse prevention phases of treatment for addictions. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for cultural, socioeconomic, political and legal/ethical factors.</td>
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<tr>
<td>NUR 4645</td>
<td>Substance Abuse Across the Lifespan (2) NU NUR</td>
<td>2</td>
<td>PR: Permission of faculty. Open to majors and non-majors. Individual or group investigation of problems relevant to the health of individuals or groups. Project requirements individually planned with faculty preceptor.</td>
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</tr>
</tbody>
</table>
PAD 533 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 and Regulation (3) AS PAD
An examination of the Constitutional and statutory base and limitations of the administrative process, administrative adjudication, rule-making, and the judicial review of such actions. An examination of the Constitutional and statutory base and limitations of the administrative process, administrative adjudication, rule-making, and the judicial review of such actions. Attention is also directed to regulatory commissions, their functions, powers, management and relationship with other governmental agencies under federal, state, and local jurisdiction.

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 1910 Urban and Local Government Administration (3) AS PAD
GS or Sr. Analysis of the role of the administrator at the municipal level, the division of functions, policy formation, alternative governmental structures, effects on the administrative process.

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) US DEA
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 1810 Topics in Biomedical Science (3) US DEA
PR: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Designed to initiate high school students to the fundamentals of scientific research. Students are given lectures and perform laboratory exercises in pathgenic microbiology, immunology, marine biology, and plant biochemistry. Most of their time is spent working on individual research projects.

PCB 3023 Cell Biology (3) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L. 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 cellular metabolism. Lec.

PCB 3023L Cell Biology Laboratory (1) AS BIO
CP: PCB 3023. Laboratory portion of Cell Biology. Metabolic processes within the cell.

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
CP: 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 3023, PCB 3043, PCB 3063 or ZOO 3323 and CHM 2010. This course provides the student with the knowledge of animal physiology to interact with their environment and to maintain their organization. Lec.

PCB 4723L Animal Physiology Laboratory (1) AS BIO
CR: PCB 4723. Laboratory portion of Animal Physiology.

PCB 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 1910 Urban and Local Government Administration (3) AS PAD
GS or Sr. Analysis of the role of the administrator at the municipal level, the division of functions, policy formation, alternative governmental structures, effects on the administrative process.

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) US DEA
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 1810 Topics in Biomedical Science (3) US DEA
PR: Acceptance in USF-Hillsborough County Biomedical and Life Science Program. Designed to initiate high school students to the fundamentals of scientific research. Students are given lectures and perform laboratory exercises in pathgenic microbiology, immunology, marine biology, and plant biochemistry. Most of their time is spent working on individual research projects.

PCB 3023 Cell Biology (3) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L. 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 cellular metabolism. Lec.

PCB 3023L Cell Biology Laboratory (1) AS BIO
CP: PCB 3023. Laboratory portion of Cell Biology. Metabolic processes within the cell.

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
CP: 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 3023, PCB 3043, PCB 3063 or ZOO 3323 and CHM 2010. This course provides the student with the knowledge of animal physiology to interact with their environment and to maintain their organization. Lec.

PCB 4723L Animal Physiology Laboratory (1) AS BIO
CR: 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. CI. 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. CI. An introduction to the physical, chemical, and biological nature of fresh-water environments. Lec.

PEE 5306L Limnology Laboratory (1) AS BIO
PR: CI. CP: PCB 5306. Laboratory portion of Limnology. Laboratory and field experience in the area of aquatic ecology.

PCB 5415 Behavioral Ecology (3) AS BIO
PR: PCB 3043 or PCB 4674. CI. An emphasis on the evolutionary mechanisms that influence an organisms behavioral responses to environmental events. The theoretical framework is presented and analyzed.

PCB 5525 Molecular Genetics (3) AS BIO
PR: PCB 3063. CI. 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 5845C Principles of Neuroscience (4) AS BIO
PR: PCB 4723. CI. 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 research techniques are also discussed, as are basic neuroophathological processes that result in abnormal brain function.

PEL 1121 Golf I (2) ED EDP
S/U only. Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation.

PEL 1341 Tennis I (2) ED EDP
S/U only. Introductory experiences in the sport of tennis. Basic skills, playing strategies, lecture, demonstration, and participation.

PEL 2122 Golf II (2) ED EDP
S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 2342 Tennis II (2) ED EDP
S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 2441 Racquetball (2) ED EDP
S/U only. Development and refinement of the skills and strategies of Racquetball with opportunity for competition and tournament play.

PEM 2131 Weight Training (2) ED EDP
S/U only. Knowledge and techniques necessary for increasing muscle function. Assessment of status and development of a personal program.

PEM 2441 Karate (2) ED EDP
S/U only. Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation.

PEM 2330 Selected Topics (1-2) ED EDP
S/U only. DPR. Activities offered are selected to reflect student need and faculty interest.

PEM 1121 Swimming I (2) ED EDP
S/U only. Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety.

PEM 2113 Lifeguard Training (2) ED EDP
PR: PEM 212 or equivalent. S/U only. Knowledge and skills necessary for saving the lives of others in the event of aquatic emergency. ARC certification offered.

PEM 2136 Skin & Scuba Diving (2) ED EDP
PR: PEM 212 or equivalent. S/U only. Development of the essential skills and knowledge necessary for enjoying the sport of Skin & Scuba Diving. Correct utilization and care of equipment; emphasis on personal safety.

PEP 3940 Practicum in Health Promotion/Wellness (4) ED 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
Wellness majors only. Designed to develop knowledge and skills in communication and counseling that is specific to wellness and health promotion.

PEQ 3170 Aquatic Exercise (2) ED EDP
An instructor training course in aquatic exercise. Focuses on teaching aerobic, strength, flexibility, and weight control exercises performed in swimming pools. Open to non-majors.

PET 2622C 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
Wellness majors only. 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
PR: Junior, Senior standing. A study of organized sport as a persuasive part of contemporary society. By increasing understanding of some of the issues and controversies in the structure of sport and society, individuals will be able to understand and improve sport experiences for themselves and others.

PET 3310 Kinesiology (3) ED EDP
A study of the structure and function of the skeletal and muscular systems and of mechanical principles related to psycho-motor performance. Open to non-majors.

PET 3351 Exercise Physiology I (3) ED EDP
A study of the effects of physical activity on the body. Topics include acute and chronic adaptation of the cardiovascular, muscular, metabolic, hormonal, and energy systems to exercise. Open to non-majors.

PET 3421 Curriculum and Instruction in Physical Education (3) ED EDP
Physical Education majors only. Development of knowledge and skills related to the instruction process of physical education. Open to non-majors.

PET 3422 Instructional Design and Content: Movement Experiences (3) ED EDP
PR: CC. Physical Education majors only. 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
Physical Education majors only. 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
Athletic Training majors only. The study and practice of techniques used when assessing athletic injuries to the upper extremity, head and spine.

PET 3618C Orthopaedic Physical Assessment II (Lower Extremity) (3) ED EDP
Athletic Training majors only. The study and practice of techniques used when assessing athletic injuries to the lower extremity, hip, pelvis and gait.

PET 3621C Prevention of Athletic Injuries (3) ED EDP
Athletic Training majors only. 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.
PET 3630C Techniques in Therapeutic Exercise (3) ED EDP
Athletic Training majors only. Theory and practical applications of therapeutic exercise and movement science. Includes techniques in Feldenkrais movement patterns, aquatic exercise, lifting protocols, plyometric training, isokinetic testing, stability ball training, and a variety of common exercise equipment.

PET 3640 Adapted Physical Education (3) ED EDP
Physical Education majors only. A study of characteristics, programming needs and teaching of physical education for students with disabilities.

PET 3660 Athletic Training Administration and Policy (3) ED EDP
Athletic Training majors only. Analysis and application of organizational skills and administrative structure of the athletic training profession, including current theory about budget management, medical record keeping, drug testing, facility design and maintenance, legal aspects of sports medicine, athletic physical examinations, medical ethics, current educational concepts, and administrative policy.

PET 3670L Clinical Instruction in Athletic Training I (3) ED EDP
Athletic Training majors only. Observation and performance of basic athletic training skills under the direct supervision of an NATABOC certified/state licensed athletic trainer. This course provides students with the opportunity to develop competence in a variety of introductory athletic training skills. Clinical experiences are obtained in the university's sports medicine facilities and/or approved affiliates and will be accompanied by a one-hour seminar each week.

PET 3671L Clinical Instruction in Athletic Training II (3) ED EDP
PR: PET 3670L. Athletic Training majors only. Continuation of clinical experience utilizing new 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 and mid-level athletic training skills. Clinical experiences are obtained in the university’s sports medicine facilities and/or approved affiliates and will be accompanied by a one-hour seminar each week.

PET 3691 Selected Topics (1-3) ED EDP
DPR. Topics offered are selected to reflect student need and faculty interest.

PET 3943 Physical Education Internship: Middle School (4) ED EDP
Physical Education majors only. 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 of classroom content and methods.

PET 4141 Trends and Tasks- Elementary Physical Education (3) ED EDP
Taken concurrently with PET 4942 Physical Education Internship: Elementary. Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4142 Trends and Tasks - Secondary Physical Education (1) ED EDP
Taken concurrently with PET 4944 Physical Education Internship: Secondary. Physical Education Majors only. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters.

PET 4304 Principles and Issues in Coaching (3) ED EDP
Physical Education majors only. The application of principles from philosophy, psychology, sociology, and physiology to competitive athletics and coaching.

PET 4353 Exercise Physiology II (3) ED EDP
PR: PET 3351. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritics, elderly, and high performance athletes. Open to non-majors.

PET 4384 Health-Fitness Appraisal & Exercise Prescription (3) ED EDP
PR: PET 3351. 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) ED EDP
Physical Education majors only. 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) ED EDP
Physical Education majors only. 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 4432 Instructional Design and Content: Physical Education Elementary (3) ED EDP
Physical Education majors only. 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 II (3) ED EDP
Physical Education majors only. 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) ED EDP
Physical Education majors only. 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 utilized within those activities and as on instructional progression and the preparation of materials for instruction at the secondary school level.

PET 4627 Management of Athletic Injuries (3) ED EDP
Athletic Training majors only. Advanced theory of pathology 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.

PET 4632C Therapeutic Modalities (3) ED EDP
Athletic Training majors only. This course provides an introduction to the theoretical and practical applications of modalities for the prevention, management and rehabilitation of physically active individuals. Concepts pertaining to the use of pharmacology, thermotherapy, cryotherapy, electrical stimulation, hydrotherapy, fluidotherapy, ultrasound, biofeedback and manual techniques will be emphasized.

PET 4633C Therapeutic Rehabilitation (3) ED EDP
Athletic Training majors only. This course provides an introduction to the therapeutic and rehabilitation methods of comprehensive therapeutic treatment and rehabilitation programs for injuries commonly sustained by the physically active.

PET 4672L Clinical Practice in Athletic Training (3) ED EDP
Athletic Training majors only. 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.

PET 4673L Clinical Practice in Athletic Training II (3) ED EDP
Athletic Training majors only. 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.

PET 4805 Independent Study: Professional Physical Education (1-4) ED EDP
PR: DPR. S/U only. Specialized independent study determined by the student’s needs and interests.
involving sexual behaviors, decision-making processes and health. This course will provide the student with an overview of the issues raised in the course. The course will provide an overview of the issues related to the field of sex, health, and decision making. Emphasis on the roles and responsibilities of medical and allied health professionals participating in the Sex, Health, and Decision Making – PGY 5425C Photography (4) VP ART

PHG 4850 Contemporary Philosophy -6A MW (3) AS PHI

A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

PHG 4440 Continental Philosophy (3) AS PHI

A study of developments in post-Kantian European philosophy.

PHG 4600 Contemporary Philosophy -6A MW (3) AS PHI

Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

PHG 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.

PHG 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.

PHH 1104 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 3633 Biomedical Ethics (3) AS PHI

This course will focus on the ethical issues arising from advances in reproductive, genetic, and clinical care of health and scientific research.

PHI 3636 Professional Ethics (3) AS PHI

Analysis of religious experience and activity and examination of the principal religious ideas in light of modern philosophy.

PHI 3630 Contemporary Moral Issues -SS (3) AS PHI

Open to all students. A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights and genetic determinism.

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 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 HP (3) AS PHI

An introduction to selected philosophical problems and traditions.

PHH 4440 Continental Philosophy: Ancient and Medieval (3) AS PHI

A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

PHH 3420 History of Philosophy: Modern (3) AS PHI

A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

Pet 4933 Seminar in Sports Medicine (2) ED EDP

Athletic Training majors only. The advanced study and discussion of specialized topics and contemporary issues related to the field of athletic training. Emphasis on the roles and responsibilities of medical and allied health professionals participating in the practice of sports medicine.

Pet 4935 Case Studies in Athletic Health Care (3) ED EDP

Athletic Training majors only. Case study intended to provide a unifying opportunity to utilize concepts, principles and techniques introduced from other athletic training courses.

Pet 4942 Physical Education Pre-Internship: Elementary (4) ED EDP

S/U only. Physical Education majors 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 Pre-Internship: Secondary (4) ED EDP

S/U only. Physical Education majors 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) ED EDP

S/U only. Physical Education majors 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 4948 Associate Teaching Physical Education: Secondary (12) ED EDP

S/U only. Physical Education majors 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.

PgY 2401C Beginning Photography (3) VP 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 American Culture (3) AS AMS

A survey of photography as an art and a craft in America since the mid-nineteenth century. Attention devoted to technological innovations, leading personalities, major movements, and memorable icons. Open to majors and non-majors.

PgY 3410C Intermediate Photography (3) VP ART

A mid-level course expanding the student’s visual and technical skills while establishing the beginning of a personal artistic direction. Repeatable up to 9 hours.

PgY 3610C Photographic Journalism I (3) AS COM


PgY 3620 Photomediaart I (3 ) AS COM

PR: PGY 3610C. Laboratory required. Advanced process and practice of photography for publication.

PgY 3801C Digital Media I (3) VP ART

Restricted to majors. This course builds upon the concepts introduced in Introduction to Multimedia Systems and focuses upon digital photographic creation and editing.

PgY 3901C Special Topics: Philosophy (3) VP ART

A mid-level course expanding the student’s visual and technical skills while establishing the beginning of a personal artistic direction by exposing the student to new ideas, technical skills and genres, including, but not limited to: color photography, digital photography, non-silver and documentary photography. Repeatable up to 9 hours.

PgY 4420C Advanced Photography (3) VP ART

PR: PGY 2401C. Continued problems in photography.

PgY 4620C Digital Media II (3) VP ART

Restricted to majors. This course builds upon the concepts introduced in Digital Media I and focuses upon digital photographic, web and digital video creation.

PgY 5425C Photography (4) VP ART

PR: CI. Advanced work in photography and related media leading to development of personal/expressive statements.

Phc 2581 Sex, Health, and Decision Making - SS (3) PH CFH

This course will provide the student with an overview of the issues involving sexual behaviors, decision-making processes and health outcomes. The course will offer a public health perspective of the consequences of risky behaviors as well as a psychosocial and cultural view of antecedent behaviors.

Phh 2000 Introduction to Philosophy -6A HP (3) AS PHI

An introduction to selected philosophical problems and traditions.

Phh 3000 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.

Phh 3420 History of Philosophy: Modern (3) AS PHI

A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

Phh 4440 Continental Philosophy (3) AS PHI

A study of developments in post-Kantian European philosophy.

Phh 4600 Contemporary Philosophy -6A MW (3) AS PHI

Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

Phh 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.

Phh 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.

Phh 1104 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.

Phh 3630 Contemporary Moral Issues -SS (3) AS PHI

A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights and genetic determinism.

Phh 3633 Biomedical Ethics (3) AS PHI

This course will focus on the ethical issues arising from advances in reproductive, genetic, and clinical care of health and scientific research.

Phh 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/exism, etc.

Phh 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.

Phh 3700 Philosophy of Religion -6A SS (3) AS PHI

Analysis of religious experience and activity and examination of the principal religious ideas in light of modern philosophy.

Phh 3905 Directed Study (1-4) AS PHI

PR: CI. Approval slip from instructor required. Individual study directed by a faculty member.

Phh 3930 Selected Topics (1-4) AS PHI

PR: CI. Selected topics according to the needs of the student.

Phh 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.

Phh 4300 Theory of Knowledge -6A MW (3) AS PHI

An examination of human knowledge, its scope and limits, and an evaluation of evidence for and against the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.
PHI 4320 Philosophy of Mind - 6A MW (3) AS PHI
A study of seminal and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problems of other minds, the physical basis for intelligence.

PHI 4632 Feminist Ethics -MW (3) AS PHI
A survey of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Haagland and others.

PHI 4670 Contemporary Ethical Theory (3) AS PHI
A survey of contemporary ethical theory, focusing both on the literature about the status of ethical theorizing—moral scepticism, moral nihilism, narrative ethics—and on specific types of theories—deontological theories, consequentialist theories, rights-based theories, virtue theories.

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 4900 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 5639 Social Issues in Biomedical Ethics (3) AS PHI
An examination of the social and political issues arising from rapid changes in medicine and technology. Topics covered may include social issues related to the just distribution of health care, reproductive technologies, HIV and AIDS, eugenics, genetic testing, and maternal-fetal relations.

PHI 5913 Research (1-4) AS PHI
PR: CI. Approval slip from instructor required. Individual research supervised by a faculty member.

PHI 5934 Selected Topics (1-3) AS PHI
PR: CI. Approval slip from instructor required. Selected topics according to the needs of the student.

PHM 5171C Basic Science I (4) ME PHT
Guided integrative study of the brain, central and peripheral nervous systems, infectious disease processes, systemic diseases, aging and the degenerative process. This includes the anatomy, physiology and functional components of the brain and its descending tracts with respect to motor control and learning. Restricted to majors.

PHM 5172C School of Physical Therapy (2) ME PHT
Seminar in which students apply principles of patient/client management. Restricted to majors.

PHM 5173C Basic Science II (2) ME PHT
Emphasis on physiology of the internal organ systems and physiology of exercise.

PHM 5174C Basic Science III (2) ME PHT
Guided integrative study of the brain, central and peripheral nervous systems, infectious disease processes, systemic diseases, aging and the degenerative process. This includes the anatomy, physiology and functional components of the brain and its descending tracts with respect to motor control and learning. Restricted to majors.

PHM 5176C Basic Science IV (2) ME PHT
Seminar in which students apply principles of patient/client management. This course further develops the group learning and interactive process. Restricted to majors.

PHM 5177C Patient/Client Management I (3) ME PHT
Seminar in which basic principles of patient/client management are introduced. Also includes the development of the group learning and interactive process. Restricted to majors.

PHM 5271 Patient/Client Management II (2) ME PHT
Seminar in which students apply principles of patient/client management. This course further develops the group learning and interactive process. Restricted to majors.

PHM 5273 Patient/Client Management III (3) ME PHT
Seminar in which students apply principles of patient/client management to cases with increasing complexity (medical,
PHT 5275C Physical Therapy Science I (3) ME PHT
Introduction to basic physical therapy skills in examination, evaluation, diagnosis, prognosis, intervention and outcomes. Activities will be correlated with the tutorial case in PCM1. Restricted to majors.

PHT 5276C Physical Therapy Science II (3) ME PHT
Further development and integration of basic physical therapy skills in examination, evaluation, diagnosis, prognosis, intervention and outcomes. Restricted to majors.

PHT 5277C Physical Therapy Science III (3) ME PHT
Integrative laboratory experience in skills for examination, evaluation, diagnosis, prognosis, intervention and outcomes for functional limitation and disability secondary to selected movement impairments. Restricted to majors.

PHT 5822 Clinical Education I (3) ME PHT
Initial clinical practice experience for the development of patient care skills. The course is graded Satisfactory/Unsatisfactory. Restricted to majors.

PHT 5906 Directed Independent Study (1-10) ME PHT
Directed independent study, content to be decided. Restricted to majors.

PHY 2020 Conceptual Physics -NS (3) AS PHY
No credit for Physics or Mathematics majors. A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today.

PHY 2038 Energy and Humanity -NS (3) AS PHY
Social, economic, and political aspects of energy. Includes energy conservation, environmental impact, energy-source alternatives, changing lifestyles, and personal use of solar energy.

PHY 2048 General Physics I -NS (3) AS PHY
PR: MAC 2281 or MAC 2311. Must be taken concurrently with laboratory and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054L and PHY2048L courses. First semester of a two-semester sequence of calculus-based general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) for physics majors and engineering students.

PHY 2048L General Physics I Laboratory (1) AS PHY
PR: MAC 2281 or MAC 2311. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054L and PHY2048L courses. First semester of a two-semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and for physics majors and engineering students.

PHY 2049 General Physics I (3) AS PHY
PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Must be taken concurrently with laboratory and, if dropped, then dropped simultaneously. May not receive credit for both PHY2054L and PHY2049 courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2049L General Physics I Laboratory (1) AS PHY
PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both PHY2054L and PHY2049L courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2053 General Physics I (3) AS PHY
PR: MAC 1140 and MAC 1114, or MAC 1147. Must be taken concurrently with laboratory and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2053 and PHY2048L courses. First semester of a two-semester sequence of non-calculus-based general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) for science students.

PHY 2053L General Physics I Laboratory (1) AS PHY
Must be taken concurrently with lecture and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2053L and PHY2048L courses. First semester of a two-semester sequence of non-calculus-based general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) laboratory for science students.

PHY 2054 General Physics I (3) AS PHY
PR: PHY 2043, PHY 2053L. Must be taken concurrently with laboratory and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054L and PHY2049L courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 2054L General Physics I Laboratory (1) AS PHY
Must be taken concurrently with laboratory and, if dropped, then dropped simultaneously. May not receive credit for both the PHY2054L and PHY2049L courses. Second semester of general physics and laboratory for physics majors and engineering students.

PHY 3101 Modern Physics (3) AS PHY

PHY 32S Mechanics I (3) AS PHY
PR: PHY 2048. CR: MAC 2283 or MAC 2313. First semester of a two-semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work.

PHY 3323C Electricity and Magnetism I (4) AS PHY
PR: PHY 2049, PHY 3221, MAC 2283 or MAC 2313. Electrostatic fields and potentials, dielectrics, classical conductivity, RC circuits, Fourier and finite element methods. Laboratory. First semester of sequence PHY3323C, PHY 4324C.

PHY 3424 Optics (4) AS PHY
PR: PHY 2049, CR: MAC 2283 or MAC 2313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

PHY 3822L Intermediate Laboratory (2) AS PHY
PR: PHY 2049 or equivalent; CR: PHY 3101. Experiments in electricity and magnetism for introduction to the areas of atomic, nuclear, solid state and wave phenomena.

PHY 4031 Great Themes in Physics -6A MW (3) AS PHY

PHY 4222 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
PR: PHY 3101, senior status. Statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics.

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 4744C Introduction to Electronics and Test Instrumentation (3) 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 (oscilloscopes, digital multimeters, etc.).

PHY 4823L Advanced Laboratory (2) AS PHY
PR: PHY 3822L. Experimental work primarily related to modern physics. Emphasis on experimental techniques used in current research.

PHY 4905 Independent Study (1-3) AS PHY
PR: CI. S/U only. Specialized, independent study determined by the student’s need and interest. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

PHY 4910 Undergraduate Research (1-4) AS PHY
PR: Senior or advanced junior standing and CC. S/U only. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms, are to be determined by student/instructor agreement.

PHY 4930 Undergraduate Seminar (1) AS PHY
PR: Senior or advanced junior standing and CC. S/U only. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms, are to be determined by student/instructor agreement.

PHY 4936 Selected Topics in Physics (1-4) AS PHY
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.
PHZ 5405 Solid State Physics I (3) AS PHY
CR: PHZ 5402 or PHY 5411. This course introduces students to solid-state physics, covering topics such as crystal structure, the band model, electronic states, and statistics of electrons and phonons. Knowledge of quantum mechanics is required.

PHZ 5406 Solid State Physics II (3) AS PHY
CR: PHZ 5405. This course continues with advanced topics in solid-state physics, including superconductivity, magnetic properties, and the basics of semiconductor physics.

POS 3173 Southern Politics (3) AS POL
CR: POS 3453. This course examines the political dynamics of the South, focusing on issues of race, identity, and the impact of federal policies on Southern states.

POS 3182 Florida Politics and Government (3) AS POL
CR: POS 3173. This course provides an in-depth look at the political landscape of Florida, including its history, government structure, and current political issues.

POR 1121 Beginning Portuguese II (4) AS WLE
CR: POR 1120L. This course continues the development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

POR 1121L Beginning Portuguese II Laboratory (1) AS WLE
CR: POR 1120L. A laboratory course designed to offer additional practice using various instructional technologies and media.

POR 2200 Intermediate Portuguese I (3) AS WLE
CR: POR 2201. This course builds on the base skills developed in Beginning Portuguese II, with a focus on advanced reading and writing.

POR 2201 Intermediate Portuguese II (3) AS WLE
CR: POR 2200. A continuation of Intermediate Portuguese I, this course covers advanced grammatical structures and vocabulary.

POS 2041 American National Government (3) AS POL
CR: POS 2080. This course offers an introduction to the political system of the United States, with a focus on executive and legislative branches.

POS 2080 The American Political Tradition - SS HP (3) AS POL
CR: POS 2041. This course surveys the development of American political thought from colonial times to the present.

POS 2347 Methods of Theoretical Physics II (3) AS PHY
CR: POS 2346. This course covers advanced topics in theoretical physics, including quantum mechanics, statistical mechanics, and field theory.

POS 3343 Applications of Theoretical Physics (3) AS PHY
CR: POS 2347. This course applies theoretical physics to various fields, including engineering, economics, and finance.

POS 3931 Selected Topics (3) AS POL
CR: POS 3182. This course covers specialized topics in political science, often under the direction of a faculty member.

POS 4204 Political Behavior, Public Opinion, and Elections (3) AS POL
CR: POS 3343. This course examines the role of public opinion in political decision-making, with a focus on elections and political participation.

POS 4413 The American Presidency -6A (3) AS POL
CR: POS 4204. This course explores the presidency as a political institution, focusing on its role in the political process.

POS 4424 The American Congress (3) AS POL
CR: POS 4413. This course provides an in-depth look at the workings of Congress, including its structure, committee system, and legislative process.
PSY 4014: Psychological Science II -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 4025: Experimental Design and Analysis (3) AS PSY
PR: PSY 3213 with 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.

POT 4936: Selected Topics in Political Theory (3) AS POL
PR: POS 4614 or CI. Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other leading pre-modern political philosophers.

PSY 4604: History and Systems of Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

POS 4970: Honor Thesis (1-3) AS POL
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.

POS 4933: Advanced Topics in Applied Behavior Analysis (4) AS PSY
PR: EXP 4404 and CLP 4414. Restricted to Psychology majors admitted to the Concentration in Applied Behavioral Analysis. Advanced seminar in the effective and ethical application of behavior analysis to human problems. Includes theoretical and conceptual issues; assessment and treatment procedures; legal, ethical and socio-cultural issues.

PSY 4970: Honors Thesis (1-3) AS PSY
PR: Admission to honors program in psychology and CI. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student, under supervision of a faculty member, will formalize, conduct, analyze, and report in writing a research project in psychology.

PUP 4323: Women and Politics -6A MW (3) AS WST
PR: PSY 3213 with grade of C or better or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system and brain functions.

PSY 2012: Psychological Science I -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).
PUR 4100 Business And Economic Statistics I (3) AS COM

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: MMC 4420, PUR 4100, and PUR 4401. As final course in Public Relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of studies and preparation of complete Public Relations program. Extensive reading in the literature of contemporary practice.

QMB 3100 Business And Economic Statistics I - 6A QM (3) BA QMB
PR: MAC 1105. Data description; exploratory data analysis; introduction to probability; binomial and normal distributions; sampling distributions; estimation with confidence intervals; tests of hypotheses; control charts for quality improvement.

QMB 3200 Business And Economic Statistics II (3) BA QMB
PR: MAC 2233 or MAC 2243, QMB 2100. Simple linear regression and correlation; multiple regression and model building; forecasting models; analysis of variance; chi-square tests; nonparametric methods.

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions (3) AS REH

RCS 3035 Rehabilitation Counseling: Concepts and Applications (3) AS REH
PR: CC. Introduction to the profession of Rehabilitation Counseling and current issues in the field. Coverage includes rehabilitation history, legislation, case management and related services for Americans with disabilities.

RCS 5080 Medical Aspects of Disability (3) AS REH
PR: RCS 5700 or CP. A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicaps, physical and mental, to rehabilitation and mental health programming.

RCS 5404 Foundations of Mental Health Counseling (3) AS REH
PR: CC. A skill-building course on the utilization of one's self in mental health counseling relationships. Includes study of the origin, history, professional functions and current issues in the discipline of mental health counseling.

RCS 5406 Human Growth and Development (3) AS REH
PR: RCS 5700, RCS 5404, Majors only. Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.

RCS 5450 Substance Abuse I (3) AS REH

RCS 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. An academic and clinical experience in Public Relations and mental health settings for a minimum of 120 hours.

RCS 5905 Directed Studies (1-4) AS REH
PR: CI. Supervised rehabilitation studies under the direction of a faculty member.
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 Leaps of Faith, The Chosen, and Grand Canyon, to expose the personal and social dimensions of religion in modern secular societies, with an emphasis on issues of racism, sexism and human liberation and reconciliation. Open to non-majors.

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 -6A MW (3) AS REL
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration; the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3131 New Religions in America -3 AS REL
A course designed to allow the student to survey the wide spectrum of contemporary sects and cults in America and learn what motivates their development.

REL 3132 Witchcraft and Paganism in America -3 AS REL
A study of contemporary witchcraft and paganism, including theories, methods, history, myths and 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.

REL 3145 Women and Religion -6A (3) AS REL
Analysis of the status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them.

REL 3146 Womanist Vision in Religion -MW (3) AS REL
This course examines the works of Black Womanist writers in religion for their contributions to and insights into the phenomena of religion in America and the world.

REL 3155 Life After Death -6A MW (3) AS REL
An exploration of ideas about life after death and its relations to this life in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3170 Religion, Ethics and Society Through Film -6A SS HP (4) AS REL
An ethical analysis of contemporary social issues through contemporary films such as Walt Street and Crimes and Misdemeanors, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation, and the Holocaust.

REL 3280 Biblical Archaeology -MW (3) AS REL
An in depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will be given to excavation methods and interpretation of archaeological evidence.

REL 3303 Comparative Religion: Judaism and Islam -MW (3) AS REL
This course is framed within the academic study of religion, and it does not concern itself with contemporary political difference in the Middle East. It treats as Islam the normative statements of the Quarn and related traditions, and as Judaism the authoritative statements of the Torah, oral and written.

REL 3310 World Religions -3 AS REL
A comparison of the ideas, the literature and institutions of the major religions of the world including Judaism, Christianity, Islam from the Near East and Hinduism, Taoism, Confucianism, and Buddhism from the Far East. General comparison of Western and Eastern beliefs.

REL 3330 The Religions of India -AF (3) AS REL
All religions of the world came to India and all became Indian. What is this “Indiaanness” which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism, Bahai. 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 3367 Islam in the Modern World -6A HP AF (3) AS REL
Examines the major developments in Islamic thought since the 13th century, with emphasis on the 19th and 20th century Islamic renaissance. Issues of diversity, gender, and social values will be stressed.

REL 3375 Issues in Caribbean Religions -MW (3) AS REL
This course concentrates on major social and cultural issues in Caribbean religions, mainly in the Caribbean, 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 Gandhi, Martin Luther King, Jr., Elie Wiesel, Thich Nhat Hanh, Dorothy Day, Dorothee Soelle, Howard Thurman, Thomas Merton and others.

REL 3485 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 Western 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
A 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 3691 History of Writing -2 AS REL
An examination of the history, doctrine, and ethics of the Roman Catholic Church.

REL 3690 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 3604 Introduction to Torah -6A SS HP (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 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, practices, believers, recruitment, socialization, and organizations.

REL 4144 Women and the Bible -6A HP AF MW LW (3) AS REL
How the redactors of Genesis through 2 Kings viewed women; the role women played in the society of the time in which they are portrayed and in that of the redactors; and, an attempt to find the "women’s voices," however muted, within the biblical text.

REL 4161 Religion, Technology and Society -3 AS REL
A study of the way 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 and 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 nonviolence.

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-

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 4215 Ancient Israel and the Development of the Hebrew Bible - 6A HP AF MW LW (3) AS REL
An exploration of the formation and composition of the Hebrew Bible in light of the religious, social, political, and historical developments in antiquity.

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 religion(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 a 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 ascetic activism of Mahatma Gandhi—all of these are Hinduism, and more. Close readings of classical texts, philosophic 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
-Analyzes the modes of thought and of logical 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 identify 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 4931 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 instructors in religious studies. Discussion of key figures and methodological advances in the development of the field from the 18th century to present, with readings of classics in the development.

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 mechanisms of insurance are 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: RMI 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 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 that can be used in dealing with these risks. Considers the underwriting, marketing, 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 that can be used in dealing with these risks. Considers the underwriting, marketing, 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 (3) AS COM
PR: CRW 2100 or ENC 3310 and RTV 3001. The art and practice of script planning and writing for radio and television and for corporate videos.

RTV 3021 Introduction to Telecommunications (3) AS COM
PR: MMC 2100 and MMC 3602. A survey of the organization, structure, and function of the broadcasting industry.

RTV 3301 Broadcast News (4) AS COM
PR: MMC 2100 and MMC 3602. 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 4310 TV Production (3) AS COM
PR: RTV 3001, RTV 3301, and RTV 4320. A basic course in the techniques of producing and directing TV programs.

RTV 4304 TV News (3) AS COM
PR: RTV 4320. Advanced television reporting, integrating broadcast news writing, ENG production and television performance.

RTV 4320 Electronic Field Production (3) AS COM
PR: RTV 3001 and RTV 3301. Advanced producing, scripting, lighting, camera, and editing for video and news production. Introduction to computer editing and graphics.

RTV 4500 Telecommunications Programming and Management (3) AS COM
PR: RTV 3001. Program and management concepts, resources, costs, selection, and scheduling. Analysis of programming and management in terms of structures, appeals and strengths.

RTV 4507 Telecommunications Law and Policy (3) AS COM
PR: for broadcast news option: MMC 4200, POS 2112 or POS 3142, RTV 3001, and RTV 3301; for production option: RTV 2100 or RTV 3301, RTV 3001 and RTV 4500. Senior Standing. A study of the electronic media from the perspective of governmental regulation and the political process with special emphasis on how regulatory policy is determined.

RTV 4942 TV Practicum (1) AS COM
PR: RTV 4220 and CI. 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.

RUS 1120 Beginning Russian I (4) AS WLE
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 1120L Beginning Russian I Laboratory (1) AS WLE
CR: RUS 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only.
A laboratory designed to offer additional practice using various instructional technologies and media.

RUS 1121 Beginning Russian II (4) AS WLE
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 WLE
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 WLE
PR: First year Russian or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2201 Russian IV (4) AS WLE
PR: RUS 2200 or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2270 Overseas Study (1-6) AS WLE
Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian around Moscow and other parts of Russia.

RUS 3240 Conversation I (4) AS WLE
PR: Second year Russian or equivalent. Development of basic conversational skills.

RUS 3470 Overseas Study (1-6) AS WLE
Must be enrolled in the USF Summer Study in Moscow program. Two years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 3500 Russian Civilization -6A MW (3) AS WLE
A survey of the cultural history of Russia.

RUS 4241 Conversation II (4) AS WLE
PR: Previous course in series or equivalent. Development of conversational skills.

RUS 4402 Advanced Russian Conversation & Composition I (4) AS WLE
PR: RUS 4241 or CI. Third year Russian.

RUS 4403 Advanced Russian Conversation & Composition II (4) AS WLE
PR: RUS 4241 or CI. Third year Russian.

RUS 4471 Advanced Overseas Study (1-6) AS WLE
Must be enrolled in the USF Summer Study in Moscow program. Three years Russian required. Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Students from other institutions eligible.

RUS 4900 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

RUS 4905 Directed Study (1-3) AS WLE
Departmental approval required.

RUT 3110 Russian Classics in English -6A MW LW (3) AS WLE
Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.

RUT 3111 Twentieth-Century Russian Literature in English -6A MW LW (3) AS WLE
Masterpieces of 20th century Soviet literature in English. The major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.

RUS 4472 Advanced Study (1-6) AS WLE

RUS 4900 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

RUS 4905 Directed Study (1-3) AS WLE
Departmental approval required.

RUT 3110 Russian Classics in English -6A MW LW (3) AS WLE
Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.

RUT 3111 Twentieth-Century Russian Literature in English -6A MW LW (3) AS WLE
Masterpieces of 20th century Soviet literature in English. The major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.

RSC 4236 Science, Technology, Society Interaction -6A MW (4) ED EDN
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 computer and related technologies, and (3) intricacies of sample STS topics.

RSC 4305 Communication Skills in the Science Classroom (3) ED EDN
Reading and communication skills important in understanding scientific and science education literature and communicating findings to others.

RSC 4310 Teaching Elementary School Science (3) ED EDE
PR: Admission to College of Education. General Distribution Requirements in the Natural Science area. Techniques and materials for teaching science in the elementary school.

SCE 4230 Teaching Methods in Middle Grade Science (3) ED EDN
PR: Completion of 25 semester hours of Science or CC. Not designed for high school certification purposes. Survey techniques and materials unique to science, grades 5-9.

SCE 4330 Teaching Methods in the Secondary School-Sciences (3) AS EDN
PR: Completion of 26 hours in approved science areas, EDG 4620 or CP, and CC. Techniques and materials of instruction in secondary school sciences.

SCE 4936 Senior Seminar in Science Education (1-2) ED EDN
PR: Senior standing; CR: SCE 4940. Synthesis of teacher candidate’s courses in complete college program.

SCE 4940 Internship: Science Education (1-12) ED EDN
CR: SCE 4936. One full semester of internship in a public or private school.

SCE 5937 Selected Topics in Science Education (1-4) ED EDN

SOP 3742 Psychology of Women - (3) AS PSY

SOP 5464 Ethics and Power in Leadership (3) US STL

SOP 5466 Images of Leadership in Print and Film (3) US STL

SOP 5928 Psychology of Women - (3) AS WST

SOP 4004 Social 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 an individual’s behavior as it is affected by others.
SOW 4510 The Holocaust, Social Prejudice, and Morality (3) AS PSY
PR: PSY 2012. Examines the Holocaust from social, psychological, and communication/language perspectives. Reviews root causes of prejudice, the manifestations of hatred in language, relationships, and the ultimate impacts on victims and survivors and rescuers.

SOP 4714C Environmental Psychology (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Explores the influences of environment on behavior. Topics considered include crowding, 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 provisional major courses. Restricted to full Social Work majors, others by School permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals, and families.

SOW 3102 Human Behavior And The Social Environment II (4) AS SOK
PR: SOW 3101, SOW 4522, SOW 4341. Restricted to full 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 framework for understanding the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.

SOW 3302 Introduction to Social Work (3) AS SOK
An introductory course exploring the development of social work as a profession including an examination of the knowledge, skill and attitudinal base of the profession and professional roles and functions.

SOW 3401 Research and Statistics For Social Work (4) AS SOK
PR: All provisional major courses. Restricted to full Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with 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 provisional major courses, SOW 3101, SOW 3401, SOW 4341, SOW 4522, SOW 3022, SOW 4343. CR: SOW 4510, SOW 4510L. Restricted to full Social Work majors, others by School permission. An advanced policy course taking 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 (6) AS SOK
PR or CR: SOW 3101; SOW 4522. All provisional major courses. Restricted to full Social Work majors; others by School permission. First practice course emphasizing development of skills and interventive methods with individuals, families and small groups. 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 provisional major courses, SOW 3101, SOW 4522, SOW 4341; must be taken as PR. CR: SOW 3401, and SOW 3102. Restricted to full Social Work majors, others by School permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 4341. Course includes both didactic and experiential learning components.

SOW 4510 Internship Seminar (3) AS SOK
PR: SOW 3302, SOW 3203, SOW 3101, SOW 3401, SOW 4341, SOW 3102, SOW 4343, SOW 4522. CR: SOW 4233, SOW 4510L. Restricted to full Social Work majors in senior year. Integrates content and theory from the classes with practice experiences students are having in field placement.

SOW 4510L Field Placement (6) AS SOK
PR: SOW 3302, SOW 3203, SOW 3101, SOW 3401, SOW 4341, SOW 3102, SOW 4343, SOW 4522, SOW 4343, SOW 4510L. S/U 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 Multicultural America (3) AS SOK
PR: All provisional major courses. The course focuses on the students’ understanding of multicultural and intergenerational issues.

SOW 4900 Directed Readings (1-9) AS SOK
PR: Completion of four social work courses including SOW 3401, upper level standing, and School permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed.

SOW 4910 Directed Research (1-6) AS SOK
PR: Completion of four social work courses including SOW 3401, upper level standing and school permission. Majors only. Directed Research is intended to provide students with research experience in areas of specific interest in social work. A contract will be developed between student and instructor specifying nature of work to be completed.

SOW 4930 Variable Topics in Social Work (1-3) AS SOK
Restricted to Social Work majors; others by School permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student’s educational interest.

SOW 5900C Selected Topics in Social Work (1-4) AS SOK
PR: CC. Restricted to Social Work majors, both graduate and undergraduate; other by School permission. An advanced policy course taking an analytical approach to contemporary social welfare policy issues and current social welfare programs.

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 Introduction to Language Development and Disorders (3) AS CSD
PR: SPA 3002, SPA 3112 or DPR. This course introduces theoretical concepts and research findings concerning the normal developmental process of language learning as a basis for differentiating developmental delay or disorder 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 3122 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 3612C 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 ISI 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 (3) AS CSD
PR: Admission to ISI 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 how systems
SPA 3660L Introduction to Interpreting in Public Schools Lab (1) AS CSD
PR: Admission to ISI Program. CR: SPA 3660L. 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 mode choice, and analysis of the classroom for accessibility and appropriateness for interpreting.

SPA 4421 Phonological Development and Disorders (3) AS CSD
PR: SPA 3004, SPA 3011. An introduction of normal and disordered 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 disfluent speech behavior. Differential diagnosis, principles of therapeutic intervention, and procedures for children and adults will be studied. Major theories and models of the development and origin of disordered speech are also presented.

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 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 4815L 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 interaction, structure and distribution of language and meaning; principles of syntactic augmentation; detailed examination of the major syntactic structures of ASL; and the place of phonology, morphology, and syntax in the larger context of grammar.

SPA 4626 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 4632 Nature and Needs of the Deaf and Hard of Hearing (3) AS CSD
A study of the effects of auditory disorders upon the organization and expression of behavioral patterns as they relate to motivation, adjustment and personality.

SPA 4652 Legal, Ethical, and Technical Issues of Working with Deaf (3) AS CSD
Restricted to majors. Provides the discussion of ethical, procedural, communication, as well as legal issues and activities that apply their interpreting skills in educational situations. Focuses on the professionalism and integration of their roles into educational settings.

SPA 4662 Interpreting in Public Schools I (3) AS CSD
PR: Admission to ISI Program. CR: SPA 4386L. This course is restricted to majors only. This course provides advanced assessment of interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods.

SPA 4662L Interpreting in Public Schools Lab I (1) AS CSD
PR: Admission to ISI Program. CR: SPA 4386. This course is restricted to majors only. This course provides advanced competencies for interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods.

SPA 4663 Interpreting in Public Schools II (3) AS CSD
PR: SPA 4386, SPA 4368L CR: SPA 4386. This course is restricted to majors only. This course provides advanced techniques for interpreting instructional/non-instructional 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 Lab II (1) AS CSD
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 mode choice, and analysis of the classroom for accessibility and appropriateness for interpreting.

SPA 4685 Practicum: Interpreting in Schools (1-8) AS CSD
This course is restricted to majors. This course provides practice sessions in school settings under supervision of an experienced interpreter and course instructor. Each practicum 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 Speech Science Instrumentation (2) AS CSD
PR: DPR. Advanced study of the techniques, production, and perception of normal and disordered speech.

SPA 5150L Speech Science Instrumentation Laboratory (2) AS CSD
PR: SPA 3011 or equivalent. This course offers opportunity in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.

SPA 5810 Advanced Hearing Science (3) AS CSD
PR: DPR. The study of the physiological and anatomic structures of the auditory system; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to the clinical audologic measurement paradigms.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD
PR: DPR. The study of behavioral and electrophysiologic clinical tests designed to assess the functions of the peripheral and central auditory systems. Tests that incorporate non-speech stimuli and those that utilize speech stimuli will be included.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD
PR: Admission to ISI Program. CR: SPA 4386L. This course is restricted to majors only. This course provides advanced competencies for interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods.

SPA 5421 Phonological Development and Disorders (3) AS CSD
PR: DPR. An introduction of normal and disordered articulatory and phonological acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 5455 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 5463C 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 in ASL structure and idiomatic usage. One hour of laboratory course work is included.

SPA 5490 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 Speech Science Instrumentation (2) AS CSD
PR: DPR. Advanced study of the techniques, production, and perception of normal and disordered speech.

SPA 5150L Speech Science Instrumentation Laboratory (2) AS CSD
PR: SPA 3011 or equivalent. This course offers opportunity in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.

SPA 5810 Advanced Hearing Science (3) AS CSD
PR: DPR. The study of the physiological and anatomic structures of the auditory system; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to the clinical audologic measurement paradigms.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD
PR: DPR. The study of behavioral and electrophysiologic clinical tests designed to assess the functions of the peripheral and central auditory systems. Tests that incorporate non-speech stimuli and those that utilize speech stimuli will be included.

SPA 5421 Phonological Development and Disorders (3) AS CSD
PR: DPR. An introduction of normal and disordered articulatory and phonological acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 5455 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 5463C 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 in ASL structure and idiomatic usage. One hour of laboratory course work is included.

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SPA 5150L Speech Science Instrumentation Laboratory (2) AS CSD
PR: SPA 3011 or equivalent. This course offers opportunity in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.

SPA 5810 Advanced Hearing Science (3) AS CSD
PR: DPR. The study of the physiological and anatomic structures of the auditory system; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to the clinical audologic measurement paradigms.

SPA 5312 Peripheral and Central Auditory Tests (4) AS CSD
PR: DPR. The study of behavioral and electrophysiologic clinical tests designed to assess the functions of the peripheral and central auditory systems. Tests that incorporate non-speech stimuli and those that utilize speech stimuli will be included.
SPC 3301 Interpersonal Communication (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 functional communication disorders; observational tools are applied to evaluation and intervention planning.

SPC 5506 Speech-Language Pathology and Audiology Practicum (1-6) 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 4970 Honors Thesis (3) AS SPE
PR: Admission to Communication Honors Program. Focused readings directed toward preparation of a proposal for an undergraduate honors thesis.

SPC 5930 Topics in Discourse (3) AS SPE
PR: Admission to Communication Honors Program. Involves individual research and preparation of an undergraduate honors thesis.

SPC 5930 Selected Topics (1-3) AS SPE
PR: Open to non-majors with CI. An introduction to the criticism of media forms and effects. Contemporary perspectives of the aesthetic and persuasive dimensions of mass media are examined. Students will engage historical study of media effects.

SPC 4714 Communication, Culture and Community -MW (3) AS SPE
Examines the relationships among culture, communication, institutions, and public and private life. Students explore the possibilities and problems of contemporary forms of community through service in a volunteer organization.

SPC 4900 Directed Readings (1-3) AS SPE
PR: Open to non-majors with CI. The study of recent and historical theories of communication in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

SPE 3212 Communication Theory (3) AS CSD
PR: Junior standing or CI. Study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.

SPE 3230 Rhetorical Theory -HP (3) AS SPE
This course surveys the foundations and historical evolution of major concepts, issues, theories, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

SPE 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.

SPE 3425 Group Communication -6A (3) AS SPE
PR: Junior standing or CI. A survey 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.

SPE 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.

SPE 3602 Advanced Public Speaking (3) AS SPE
PR: SCPE 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.

SPE 3631 Rhetoric of the Sixties -HP (3) AS SPE
Survey of the rhetorics 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.

SPE 3633 Popular Forms of Public Communication (3) AS SPE
PR: Junior standing or CI. Analysis of public communication with emphasis on various presentational forms.

SPE 3680 Rhetorical Analysis (3) AS SPE
This course introduces students to the fundamentals of message analysis. Student examines persuasive strategies and language in oral and written discourse.

SPE 3710 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, Latino American, Asian American), social class, age and generation, religious (e.g. Jewish) and gender.

SPE 4201 Oral Tradition -MW (3) AS SPE
Study of orality, its forms, functions, and transformations, in traditional and literate societies from folkloric and psychological traditions and from contemporary communication and cultural studies perspectives.

SPE 4305 Communicating Emotions -6A (3) AS SPE
PR: Junior/Senior standing or CI. Study of emotional experience, what emotions mean to us, how we talk about them, and the ways group and cultural membership influence them. Focus on attachment and loss in romantic, family and group relationships.

SPE 4310 Relationships on Film (3) AS SPE
Examination of the ways in which cinema inscribes conceptions and meanings of romance, love, intimacy and sexuality. Focus on systems of interpretation fostered by cinema representations of intimacy, sexuality, emotional, subjectivity, and betrayal.

SPE 4431 Family Communication (3) AS SPE
Examines the processes and functions of communication in family relationships. Examination of scholarly and popular literature on family structure, family systems, family development, and family stories. Analysis of families in fiction and cinema.

SPE 4632 Rhetoric and Social Change -6A MW (3) AS SPE
PR: SPE 3230 or SPE 3681. This course examines how social change is symbolized and motivated in the rhetorics of institutions, campaigns, social movements and individuals.

SPE 4633 Rhetorical Analysis of Mass Media (3) AS SPE
PR: SPE 3230 or SPE 3681. An introduction to the criticism of media forms and effects. Contemporary perspectives of the aesthetic and persuasive dimensions of mass media are examined. Students will engage historical study of media effects.

SPE 4674 Communication, Culture and Community -MW (3) AS SPE
Examines the relationships among culture, communication, institutions, and public and private life. Students explore the possibilities and problems of contemporary forms of community through service in a volunteer organization.

SPE 4900 Directed Readings (1-3) AS SPE
PR: Senior standing, minimum GPA 2.5. 15 hours of core requirements and 9 elective hours completed, and CI. Maximum 6 hours.

SPE 4903 Honors Readings (3) AS SPE
PR: Admission to Communication Honors Program. Focused readings directed toward preparation of a proposal for an undergraduate honors thesis.

SPE 4905 Undergraduate Research (1-3) AS SPE
PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. Maximum 6 hours. Individual investigations with faculty supervision.

SPE 4905 Selected Topics (1-3) AS SPE
PR: Open to non-majors with CI. The study of recent and historical theories of communication in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

SPE 4920 Senior Seminar in Communication (3) AS SPE
PR: Senior standing, minimum GPA 3.0, 15 hours of core requirements and 9 elective hours completed, and CI. Communication major. Exploration of selected topics of current significance to the several areas of communication through group discussion and research.

SPE 4970 Honors Thesis (3) AS SPE
PR: Admission to Communication Honors Program. Involves individual research and preparation of an undergraduate honors thesis.

SPE 5238 Topics in Rhetorical Analysis (3) AS SPE
PR: Open to non-majors with CI. An introduction to the critique of media forms and effects. Contemporary perspectives of the aesthetic and persuasive dimensions of mass media are examined. Students will engage historical study of media effects.

SPE 5930 Topics in Discourse (3) AS SPE
Variable topics course.

SPE 1102 Beginning Spanish I (4) AS WLE
CR: SPN 1102L. Not open to native or near-native speakers of Spanish. Development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPE 1102 Beginning Spanish I Lab Study (1) AS WLE
CR: SPN 1102. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. S/Only. Laboratory designed to offer additional practice using various instructional technologies and media.

SPE 1121 Beginning Spanish II (4) AS WLE
PR: SPN 1120 or equivalent. CR: SPN 1120L. Not open to native or near-native speakers of Spanish. Continued development of
basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 1121L Beginning Spanish II Laboratory (1) AS WLE
CR: SPN 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. SJU only. Laboratory designed to offer additional practice using various instructional technologies and media.

SPN 1130 Accelerated Spanish For Near-Native Speakers and Others (1-6) AS WLE
PR: CL. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.

SPN 2200 Spanish III (3) AS WLE
PR: SPN 1121 or equivalent. May NOT be taken concurrently with SPN 2201. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2201 Spanish II (3) AS WLE
PR: SPN 2200 or equivalent. May NOT be taken concurrently with SPN 2200. Not open to native or near-native speakers of Spanish. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPN 2240 Conversation I (3) AS WLE
PR: SPN 1121. Not open to native or near-native speakers of Spanish. For development of basic conversational skills.

SPN 2241 Conversation II (3) AS WLE
PR: SPN 2240 or equivalent. Not open to native or near-native speakers of Spanish. To improve fluency in spoken Spanish.

SPN 2270 Overseas Study (1-6) AS WLE
PR: SPN 1121 or equivalent. Prior departmental approval and early registration are required. An intensive study-travel program in a Spanish-speaking country.

SPN 2440 Spanish For Business (3) AS WLE
PR: SPN 2201 or equivalent. An introduction to the Spanish language as used in undertaking ordinary business transactions.

SPN 3300 Composition (3) AS WLE
PR: SPN 2200-SPN 2201. Not open to native or near-native speakers of Spanish. A study of syntax, grammar and writing.

SPN 3340 Advanced Spanish for Native Speakers I (3) AS WLE
PR: Native and near-native oral/aural proficiency. May not count as Spanish major elective. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on grammatical problems affecting such speakers. Texts and discussions in Spanish. This is primarily a discussion type of course, open to all majors and minors.

SPN 3341 Advanced Spanish for Native Speakers II (3) AS WLE
PR: SPN 3340. May not count as Spanish major elective. Continuation of SPN 3340. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on those aspects of written expression such as style and syntax which are problematic for such speakers. Texts and discussions in Spanish. This is primarily a discussion course, open to all majors and minors.

SPN 3441 Advanced Spanish for Business Writing (3) AS WLE
PR: SPN 3440 or equivalent. Open to Spanish and Business majors and minors. Continuation of SPN 3440. Advanced business communication in Spanish through discussion, reading, and writing of representative texts from Spain, Mexico, and the Spanish speaking Caribbean. Emphasis on business forms and composition of proposals, reports, records, and the language of advertisement. Texts and discussions in Spanish. This is a discussion course, open to Spanish and Business majors and minors.

SPN 3500 Spanish Civilization (3) AS WLE
PR: SPN 1121. The culture and civilization of Spain.

SPN 3520 Spanish American Civilization (3) AS WLE
PR: SPN 3440 or equivalent or graduate standing. Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends. Text and discussion in Spanish.

SPN 3567 Modern Spanish Civilization (3) AS WLE
PR: SPN 3500 or equivalent or graduate standing. Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and political trends. Text and discussion in Spanish.

SPT 2524 Women Writers of Latin America -AF (3) AS WLE
Literature of Latin-American women (in translation). Topics related to race and ethnicity, values and ethics, social, economic, and political issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels.

SPW 3030 Introduction to Hispanic Literature (3) AS WLE
PR: SPN 2201 or equivalent. A study of Spanish literature from its origins through the 18th century.

SPW 4101 Survey of Spanish Literature I (3) AS WLE
PR: SPN 2201 or equivalent. A study of Spanish literature from the Modernism period to the present. Emphasis on modern writers since Dario.

SPW 4100 Directed Study (1-3) AS WLE
Departmental approval required.

SPW 4930 Selected Topics (1-3) AS WLE
Study of an author, movement or theme.

SPW 5135 Colonial Spanish American Literature (3) AS WLE
PR: SPW 4131. Introduction to Colonial Spanish American Literature from the discovery through the Romantic Period.

SPW 5355 Spanish American Drama and Poetry (3) AS WLE
PR: SPW 4131. Major writers of all genres. Emphasis on modern writers.

SPW 5387 Spanish American Prose (3) AS WLE
PR: SPW 4131. Emphasis on the gaucheo theme and contemporary prose fiction.

SPW 5388 Golden Age Poetry and Drama (3) AS WLE
PR: SPW 4100. Lope de Vega, Alarcón, Tirso, Calderon, and others.

SPW 5405 Medieval Literature (3) AS WLE
PR: SPW 4100 or equiv. Course gives an in-depth study of principal works and authors of the period such as El Poema de Mio Cid, Libro de Buen Amor, and La Celestina.

SPW 5465 19th Century Spanish American Poetry (3) AS WLE

SPW 5605 Cervantes (3) AS WLE
Cervantes’ masterpiece Don Quijote de la Mancha.

SPW 5725 Generation of 1898 (3) AS WLE
PR: SPW 4101. The major figures of the period and their main followers.

SPW 5726 Vanguard Literature 1918 and 1936 (3) AS WLE

SPW 5934 Selected Topics (3) AS WLE
PR: Upper-level or GS. Study of an author, movement, or theme.

SSE 4313 Teaching Elementary Grades Social Studies (3) ED EDE
PR: Admission to College of Education or CI. This course is designed to study techniques and strategies employed by social studies teachers that are effective in motivating elementary school aged youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present instructional plan(s) demonstrating
use of various methods, techniques, and material that achieve complete outcomes. Theoretical foundations of social studies are also studied. Fieldwork is required.

SSE 4334 Teaching Secondary Grades Social Science (3) ED EDW
PR: SSE 4333. This course is a continuation of SSE 4333 with further development of the instructional techniques and strategies and the information, skills, and modes of reasoning unique to the social sciences with an emphasis on the secondary school environment, teaching profession, school settings, legal, and classroom management issues are also studied. Fieldwork in a high school is required.

SSE 4380 Global And Multicultural Perspectives in Education - MA (3) ED EDW
PR: EDG 3604, EDG 4620, or DPR. Examination of the major issues surrounding global and multicultural perspectives in education. Available to non-Education majors.

SSE 4640 Communication Skills in the Social Sciences (2) ED EDW
PR: CC. S/U only. This course emphasizes preparation for instruction and demonstration of instructional techniques in social sciences covered in SSE 4333 and SSE 4334 with an emphasis on students developing their communication, presentation, and organizational skills.

SSE 5670 Economics USA: Principles of Economics for Teachers (3) ED EDW
S/U only. A television course focusing on content and teaching methodology related to micro/macro economic principles.

SSE 4936 Senior Seminar in Social Science Education (2) ED EDW
PR: Senior standing; CR: SSE 4940. Synthesis of teacher candidate's courses and preparation for the professional interview and application process.

SSE 4940 Internship: Social Science Education (1-12) ED EDW CR: SSE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 Semester hours.

SSE 5644 Economic Decision-Making for Teachers (3) ED EDW
PR: Admission to College of Education or DPR. Provides teachers (K-12) with content related to the operation of businesses in a market economy. Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 instructional programs.

STA 1022 Basic Statistics - 6A QM (3) AS MTH
PR: C (2.0) or better in MAT 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. No credit for Mathematics majors. Basic philosophy of statistical thinking. Acquisition of data. Techniques for organizing and presenting statistical data. Sample mean, variance and standard deviation. Statistical decisions—estimation and hypothesis testing. Design of experiments, linear association and causation. Probability, ANOVA, and other statistical tests. Relationship between categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.

STA 5166 Computational Statistics I - 3 AS MTH
PR: STA 4321 and CGS 3422, or CI. Statistical analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.

STA 5228 Sampling Techniques - 3 AS MTH
PR: STA 4432 or CI. Sample survey versus total enumeration. Planning of a survey. Statistical sampling methods and their analysis; simple, stratified, systematic cluster, and double and multistage sampling. Use of auxiliary information in sampling. Ratio and regression estimates. Sample size considerations.

STA 5326 Mathematical Statistics - 3 AS MTH
PR: STA 5446. Sample distribution theory, point & interval estimation, optimality theory, statistical decision theory, and hypothesis testing.

STA 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 CI. Theory and methods of non-parametric statistics, order statistics, tolerance regions, and their applications.

SUR 2101C Engineering Land Surveying - 3 EN EGY
PR: STA 4432 or CI. Sample survey versus total enumeration. Planning of a survey. Statistical sampling methods and their analysis; simple, stratified, systematic cluster, and double and multistage sampling. Use of auxiliary information in sampling. Ratio and regression estimates. Sample size considerations.

SYA 3010 Classical Theory - 3 AS SOC
PR: SYG 2000 or CI. The theory of the construction of social scientific 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 3202 Constructing Social Problems - 3 AS SOC
Examination of how activists, media, politicians, and scientists construct public images of social problems; analysis of the process of forming social policy and how public images of social problems shape the characteristics of social service agencies.

SYA 3300 Research Methods - 3 AS SOC
PR: STA 2122 or equivalent. Introduction to the scientific method and its application to social science research. Research design, sampling techniques, and critical evaluation of social research. Required for Sociology majors.

SYA 3310 Qualitative Inquiry - 6A LW (4) AS SOC
PR: SYG 2000 or CI. DPR. Exploration of human relationships and behaviors, organizations, and the larger culture through non-quantitative techniques such as interviews, participant observation, life histories, and narratives.

SYA 4910 Individual Research - (1-3) AS SOC
PR: Four courses in sociology, including SYA 3300, upper level standing, at least 3.0 overall GPA, or CI. DPR. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration.

SYA 4930 Topics in Sociology - (3) AS SOC
Selected specialized topics in Sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, socio-biology. Content will vary by semester and by section. See course schedule for specific contents each semester. This course, in different content areas, may be repeated for credit.

SYA 4935 Senior Seminar -MW (3) AS SOC
PR: Senior standing. SYA 3300, SYA 3010, SYA 3300 plus 6 hours of Sociology electives. Majors only. DPR. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of relevance in today's society. Topic changes by semester and by section.

SYA 4994 Sociological Internship - (1-6) AS SOC
PR: Senior or graduate standing in Sociology plus CI. Supervised placement in community organization or agency for a minimum of 100 hours of volunteer work per week, and a weekly seminar, in 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 concepts to peasant life around the world, and explores the roles...
played by "western" societies in creating and sustaining the conditions under which peasants live.

SYD 3700 Racial and Ethnic Relations -SS HP (3) AS SOC
Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4410 Urban Sociology (3) AS SOC
The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4800 Gender and Society (3) AS SOC
Historical and current issues surrounding gender in America. Emphasis on exploring the causes, meaning, and consequences of gender differences, interpersonal relationships, and institutional participation.

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 minor.

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, and substance abuse.

SYG 2412 Marriage (3) AS SOC
Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count 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, women, 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 for their members as well as how social policies 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 Poverty, Inequality, and Stratification (3) AS SOC
Introduction to one of the most common features of modern society, social inequality. A survey of perspectives to explain the causes of inequality and reasons for its persistence.

SYO 4300 Political Sociology (3) AS SOC
PR: SYG 2000 or CI. An examination of the social factors that affect government, politics, and political behavior.

SYP 4370 Occupations and Professions (3) AS SOC
PR: SYG 2000 or CI. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on the process of professionalizing service occupations like police work, business management, public administration and social work.

SYP 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.

SYP 4430 Disability and Society -MW (3) AS SOC
PR: SYG2000 or CI. Examination 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
An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.

SYP 3060 Sociology of Sexualities (3) AS SOC
Experiences of the interactions among people, and people and institutions that form the boundaries through which sexualities are understood in the United States. Addresses interactions with and within medical and religious institutions, racial/ethnic cultures, families and popular culture.

SYP 3562 Family Violence (3) AS SOC
An exploration 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 -6A 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 deviance is defined, implications of deviance and deviant reactions. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.

SYP 4530 Sociology of Juvenile Delinquency (3) AS SOC
Sociological issues in defining delinquency; the nature of adolescence and delinquency; sociological theories of the causes of delinquency; types and consequences of social control applied to delinquents.

TAX 4001 Concepts of Federal Income Taxation (3) BA ACC
PR: ACG 2021. Major concepts used in taxation of income by federal government including enactment of tax laws, basic tax research, preparation of basic tax returns and exploration of tax policy issues.

TAX 5015 Federal Taxation of Business Entities (3) BA ACC
PR: TAX 4001 with a grade of "C" or better (not C-). Tax issues presented will be centered by small businesses. Includes tax formation and preservation, tax compliance and tax alternatives.

THE 2020 Introduction to Theatre (3) VP TAR
An introduction to the art of theatre as part of the larger context of the nature of art in life. The approach will be both chronological and multi-cultural. Required of all theatre majors.

THE 2090 Languages of the Stage (3) VP TAR
Focuses on the variety of approaches to theatrical performance. The purpose of this course is to develop an awareness of the range of contemporary performance practices through a combination of lecture, discussion, theatre attendance, and experiential learning. Provides opportunities for critical thinking and reflection about theatre in contemporary society. Restricted to non-theatre majors.

THE 2305 Script Analysis (3) VP TAR
PR: Sophomore standing, TPP 2020. This course teaches theatre students the techniques of close reading of dramatic texts.

THE 3090C Modern Theatre Practice -6A (4) VP TAR
Initial readings and exercises in theatre; play analysis, staging, and performance techniques for non-theatre majors.

THE 3110 Theatre History I -MW (3) VP TAR
PR: THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally offered every fall. Required of all theatre majors. Open to upper division non-majors.

THE 3111 Theatre History II -MW (3) VP TAR
PR: THE 2020. A study of Theatre History in more detail as a companion to Theatre History I. This course and the companion Theatre History I will offer the opportunity for more careful study and emphasis on particular aspects of cross-cultural theatre in context.

THE 4180 Theatre Origins -6A MW LW (3) VP TAR
PR: THE 3110 or THE 3111 and one of the following: THE 4320, THE 4330, THE 4360, THE 4401, THE 4434, THE 4435, THE 4442, THE 4480. Open to senior non-majors with CI. An analysis of the development of the theatre out of myth, ritual, and liturgy. Emphasis placed on what attempts to understand the resulting phenomena (e.g., Aristotle's Poetics) can teach us about the nature of our art. Either THE 4180 or THE 4562 is required of all theatre majors.

THE 4264 History Of Costume (3) VP TAR
PR: Sophomore standing. Open to upper level non-majors with CI. A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and historical influences. (A requirement in the design track/costume.)

THE 4266 Architecture And Decor (3) VP TAR
PR: Sophomore standing. Open to upper level non-majors with CI. An introduction to the relationships of art, myth, ritual, and
THE 4300 Shakespeare For The Theatre - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A close study of selected plays with special emphasis on characterization, dramatic events, and performance values.

THE 4360 The 19th Century Theatre Revolution - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A course in the function of the script for the theatre artist treating materials in the American Theatre from 1915 to 1964.

THE 4401 O’Neill And After - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity.

THE 4434 Caribbean Theatre - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. This course is a study of plays and popular theatrical forms of the Caribbean. The student will investigate the social and political forces that shape the culture of the Caribbean, the residual effects of the colonialism and the turbulence of independence as expressed in the dramatic art and theatre of the English-speaking West Indies.

THE 4435 Theatre Of Pluralism - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. 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 Comedy Of The Classic And Neo-Classical Stage - 6A MW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A study of comedic function in scripts from Greek and Roman, Restoration and French Neoclassic of the late 17th century and other plays from the late 18th and late 19th centuries which reflect similar characteristics.

THE 4480 Drama-Special Topics - 3 VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A study of a significant playwright or grouping of playwrights, e.g., Moliere, Brecht, recent American dramatists.

THE 4562 Contemporary Performance Theory - 6A MW (3) VP TAR

THE 4593 Honors Seminar (2) VP TAR
Enrollment limited to upper level majors who have been formally admitted to the department honors program. Not available S/U. Readings in the literature, history and theory of the stage in preparation for Theatre Honors Practicum. Past topics have included New German Theatre, Popular Theatre, New American Theatre, Jacobean Theatre.

THE 4595 Honors Practicum (3) VP TAR
PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or production with guest artists. Past artists have included the Free Theatre of Munich, the San Francisco Mime Troupe, playwrights Eric Overmyer, Jeff Jones and Gary Hill.

THE 4597 Honors Thesis (1-3) VP TAR
PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee.

THE 4761 Methods of Teaching Theatre for Adolescents (3) VP EDD
Methods of effective drama and theatre instruction in middle school, junior and high schools, recreation centers, community, and professional theatres.

THE 4761 Drama in Elementary School (3) VP EDD
Methods of theatre and drama activities in elementary school, including use of drama and theatre for interdisciplinary, integrated projects. Available to majors and non-majors, no extra laboratory sections.

THE 4905 Directed Studies - 1-4 VP 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 VP TAR
PR: CI. Course of study and credits must be assigned prior to registration.

THE 4931 Selected Topics In Theatre - 1-8 VP 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 2200 Introduction to Technical Theatre I (3) VP 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/organization. Required for Theatre majors. Requires sequential semester enrollment with TPA 2211 and TPA 2291L. Open to non-majors.

TPA 2211 Introduction to Technical Theatre II (3) VP 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. Requires sequential semester enrollment with TPA 2211 and TPA 2291L. Open to non-majors.

TPA 2248 Workshop in Stage Makeup. (1) VP 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 Lab I (1) VP TAR
CR: TPA 2200 or CI. A practical laboratory involving the preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TPA 2291L Technical Theatre Lab II (1) VP TAR
CR: TPA 2211 or CI. A practical laboratory involving the preparation of all technical aspects of a major production such as: painting, sewing, lighting, and sound. Students are assigned two areas of study per semester. Required of all Theatre majors. Open to non-majors.

TPA 2292 Production Involvement (1) VP TAR
CR: TPA 2200, TPA 2290L, TPA 2211, TPA 2291L or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the students completion of a PI request form, available in the Theatre Office, and enrollment in this course.

TPA 3007 Introduction to Design I (3) VP TAR
PR: TPA 2200, TPA 2211, TPA 2290L, TPA 2291L. Open to non-majors. This course will include lectures, demonstrations, individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization.

TPA 3008 Introduction to Design II (3) VP TAR
PR: TPA 3007. This course will include lectures, demonstrations, individual student presentations, and studio activities. The course work will provide an introduction to the various aspects of design including: two and three dimensional design, basic presentation and visual communication skills, research, and project analysis/organization.

TPA 3208 Drafting and CAD I (3) VP TAR
PR: TPA 2200, TPA 2211, TPA 2290L, TPA 2291L. The course will include lectures, demonstrations, 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 draftings. Required of all Design Track Theatre majors. Open to non-majors.

TPA 3211 Lighting: Theory And Practice (3) VP 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/technical theatre.

TPA 3231 Costume Construction (3) VP TAR
PR: TPA 3208 or CI. A practical course in the drafting of patterns for costuming the actor. Materials, skills, and techniques for construction of costume and accessories will be treated. Included topics are millinery, footwear, jewelry, masks, armor, costume; both period and modern.

TPA 3251 Drafting and CAD II (3) VP TAR
PR: TPA 3208. Continuation of TPA 3208. The course will include lectures, demonstrations, field trip(s), individual student presentations, and studio activities. The course work will provide an opportunity to develop your skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.

TPA 3265 Sound For The Stage (3) VP TAR
PR: TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors with CI. Basic study of audio components, fundamental properties of sound, multiple channel recording, editing,
TPP 3840 Puppetry Performance And Production (4) VP TAR
PR: TPP 2290, TPP 2290L, TPP 2211, and TPP 2291L. 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.

TPP 4011 Design Studio I (3) VP TAR
PR: TPP 3030 and TPP 3260 plus two of TPP 3231, TPP 3221, or TPP 3251. TPP 4011 will include studio design project activities in the areas of costume, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved with the development of a design from the first meeting to the final paper/model design.

TPP 4012 Design Studio II (3) VP TAR
PR: TPP 4011. This course will include studio design project activities in the areas of costume, lighting, and scenic design. The course work will stress the nature of collaborative work and the various stages and processes involved with the development of a design from the first meeting to the final paper/model design. Evaluation of this project will emphasize the process followed in the development of the design including thumbnaii,drawing, research, and production concept. The course will include seminar (production) discussions, lectures, demonstrations, individual and group work, and individual student presentations.

TPP 4013 Design Studio III (3) VP TAR
PR: TPP 4012. This course will include studio design project activities in an individual’s selected primary and secondary areas. 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.

TPP 4077 Scene Painting (2) VP TAR
PR: TPP 3007. Open to upper level non-majors with CI. A practical course in the painting of stage scenery: media and application.

TPP 4273 Stage Properties: Techniques And Materials Studio (2) VP TAR
PR: TPP 3007. Open to upper level non-majors with CI. Demonstration of and experience in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop.

TPP 4293 Production Involvement II (1) VP TAR
PR: TPP 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.

TPP 4298 Advanced Design Practicum (3) VP TAR
PR: TPP 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 properties 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 4299 Advanced Design Practicum (3) VP TAR
PR: TPP 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 properties 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 4300 Body Disciplines (2) VP TAR
PR: TPP 2110. A laboratory course in various disciplines or systems and understanding the body’s motive powers, with focus on their use for the stage performer.

TPP 3120 Improvisation I (3) VP TAR
PR: TPP 2110. An intensive study in improvisation as an enhancement of the actor’s skill. Exercises and theatre games as flexible forms which accommodate improvisation and physical invention are examined and used to develop group creativity.

TPP 3155S Scene Study I (3) VP TAR
PR: Audition and all core 2000 level courses. Identify and investigate the fundamental elements of acting as applied to scene exploration, rehearsal, and presentation.

TPP 3230 Laboratory Work In Performance (3) VP 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) VP 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) VP TAR
PR: TPP 2110. A concentrated laboratory on freeing the breathing function, developing body and oral resonance, and strengthening muscles used on the production of speech sounds.

TPP 3920 Acting Studio I (8) VP TAR
PR: Audition, all lower level core theatre courses and junior standing. An intensive and comprehensive ensemble workshop that explores the basics 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 taught by the Performance faculty.

TPP 3921 Acting Studio II (8) VP TAR
PR: TPP 3920. A continuation of Acting Studio I with greater emphasis on addressing individual needs in order to explore emotionally complex characters and scenes in an intensive and systematic way. This course will be taught by the Performance faculty.

TPP 4140 Styles Of Acting (3) VP TAR
PR: TPP 3155 plus audition or TPP 3921. Examination of the actor’s craft and skills needed to fulfill the demands of classical theatre forms.

TPP 4180 Advanced Scene Study (3) VP TAR
PR: Audition and TPP 3155 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) VP 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. Participation by audition. Open to TTP 2110 production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 4220 Audition Workshop For Actors (2) VP TAR
PR: TPP 3155 or TPP 3921. Preparation for professional audition; discussion of professional objectives.

TPP 4298 Advanced Design Practicum (3) VP TAR
PR: TPP 4011. This is a 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 properties 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 4310 Directing I (3) VP TAR
PR: TPP 3155 or TPP 3921. An elective sequence in directing. A workshop course in which the student first encounters the basic tasks of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4311 Directing II (3) VP TAR
PR: TPP 4310 and CI. An elective sequence in directing. A workshop course in which the student first encounters the basic tasks of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of styles and finally proceeds to the short play or theatre pieces.

TPP 4600 Writing For The Theatre (3) VP TAR
PR: TPP 3110 or TPP 3111. An elective sequence in writing, in which the student first encounters the problems unique to dramatic
WST 4522 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. (May also be taken for credit in Philosophy.)
PR: Completion of one upper division Women’s Studies course.
An exposure to and an exploitin of a wide range of current feminist theories and debates, as well as an examination of the possible political and practical implications for various theoretical positions.
WST 4560 Contemporary Feminist Theory (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 4900 Directed Readings (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 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 4900 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 5825 Internship in Women’s Studies (3) AS WST
PR: Must have completed Comprehensive Exam. Majors Only. All required courses in MA program, CC. Student placement in approved intern setting for a minimum of 150 hours of supervised experience. S/U. Department Approval Required.
WST 5940 Internship in Women’s Studies (3) AS WST
PR: DPR. Study in special areas such as Women and Work, Reproductive Law, Women and Health.
YOR 1120 Yoruba I (4) AS WLE
This course is designed to familiarize students with modern orthography and to develop skills in reading, writing, speaking, and understanding spoken Yoruba. Pronunciation in Yoruba and achieving 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 (classics) will be used as the basis for determining evolutionary relationships of organisms.
ZOO 3205C Advanced Invertebrate Zoology (4) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L. An introduction to the major invertebrate groups, with emphasis on local forms. Field work will be required. Lec.
ZOO 3323C Anatomy of Chordates (4) AS BIO
ZOO 3713C Comparative Vertebrate Anatomy (4) AS BIO
ZOO 4512 Sociobiology -MW (3) AS BIO
This course is restricted to seniors. Not for major’s credit. An analysis of Animal and human behavior such as sex, territoriality, and aggression in the context 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
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 3030C, PCB 3023, PCB 3043, PCB 3063, ZOO 3205C, ZOO 4753C. Cl. Fundamentals of animal parasitology and parasitism, the biology of selected animal parasites, including those of major importance to man.
ZOO 5425C Herpetology (4) AS BIO
PR: PCB 3023 and PCB 3063. Comparative approach to the study of animals and the relation of their structure and function. Lec.-lab.
ZOO 5550C Marine Animal Ecology (4) AS BIO
PR: PCB 3043, senior standing. Cl. Investigation of energy flow, biogeochemical cycles, and community structure in marine environments. Lec.-lab.
Please see http://www.ugs.usf.edu/catalogs/0203/facintro.htm for faculty listing.
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