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.
Communicating With The University

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

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

Academic Advising (for upperclassmen)
http://www.cobusp.usf.edu/
Education, EGU 106 974-2458
http://www.coedu.usf.edu/
Engineering, ENC 1302 974-2684
Nursing, MDN 1036 974-9305
http://nsc.usf.edu/nursing/
Pre-Medical, CHE 306 974-2674
http://www.cas.usf.edu/premed/
Visual and Performing Arts, FAH 120 974-3660
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/sds/

Adult and Transfer Student Services
Office of the Director, SVC 1001 974-6444
http://www.rmit.usf.edu/enroll/atss/

Applications and Admissions
Office of Admissions, SVC 1036 974-3350
http://www.rmit.usf.edu/enroll/admiss/admiss.htm
askrocky@admin.usf.edu

Athletics (Intercollegiate)
Director of Athletics, PED 214 974-2125
http://www.usf.bulls.com

Career Development
Counseling Center for Human Development, SVC 2124 974-2931
http://www.rmit.usf.edu/counsel/

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

College Level Examination Program (CLEP tests)
Office of Evaluation and Testing Services, SVC 2054 974-2741
http://usfweb.usf.edu/eval/evaltest.htm

Community College and Transfer Students
Adult and Transfer Student Services, SVC 1001 974-6444
http://www.rmit.usf.edu/enroll/atss/

Continuing Education Courses and Conferences
Continuing Education, MGZ 144 974-3433
Division of Conferences and Institutes, MGZ 144 974-5731
English Language Institute, CPR 443 974-3433
http://www.outreach.usf.edu/conted/

Counseling
Counseling Center for Human Development, SVC 2124 974-2931
http://www.rmit.usf.edu/counsel/

Educational Outreach
Office of the Dean, SVC 5010 974-7984
http://www.outreach.usf.edu/

Financial Assistance (scholarships, loans, employment)
Office of Financial Aid, SVC 1192 974-4700
http://usfweb.usf.edu/finaid/

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

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

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

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

Housing: Off-Campus
Residence Services, RAR 233 974-7613

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

Library Resources
http://www.library.usf.edu/
Tampa Campus: Office of the Director of Libraries, LIB 207 (813) 974-2721
St. Petersburg Campus: Office of the University Librarian (727) 553-1123
Sarasota Campus: Office of the Librarian (941) 359-4300
http://www.library.usf.edu/ptcc/ucc/

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

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

Parking and Traffic Services
PSS 101 974-3990
http://usfweb.usf.edu/parking_services/

Pre-Admission Advising for Prospective Freshman, International, Mature, Minority, and Transfer Students
Office of Admissions, SVC 1036 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 974-9281
http://www.rmit.usf.edu/counsel/

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

Speakers Bureau
Community Relations, University Advancement, ALC 974-3222

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/regist/regist.htm

Tuition Waiver For Senior Citizens
Division of Lifelong Learning, MHH 116 974-2403
http://www.lifelong.usf.edu/oa/seniorprograms/

Transfer (Undergraduate) Student Problems
Adul 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
WebCat@admin.usf.edu

University Experience Program
Office of the Coordinator, SVC 2008 974-4183
http://www.sa.usf.edu/ue/

University Police
Emergencies 911
UPD 002 974-2628
http://upolice.usf.edu/

Veterans Services
Office of Veterans Services, SVC 2127 974-2291
http://usfweb.usf.edu/vetserve/
# List of Degree Programs and Common Prerequisites

<table>
<thead>
<tr>
<th>Program</th>
<th>Code</th>
<th>Common Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africanas Studies [AS] - B.A.</td>
<td>80</td>
<td>79</td>
</tr>
<tr>
<td>American Studies [AS] - B.A.</td>
<td>102</td>
<td>102</td>
</tr>
<tr>
<td>Anthropology/Applied Anthropology [AS] - B.A.</td>
<td>81</td>
<td>81</td>
</tr>
<tr>
<td>Applied Sciences [US] - B.S.</td>
<td>174</td>
<td>174</td>
</tr>
<tr>
<td>Art History [VP] - B.A.</td>
<td>187</td>
<td>184</td>
</tr>
<tr>
<td>Art Studio [VP] - B.A./B.F.A.</td>
<td>185</td>
<td>184</td>
</tr>
<tr>
<td>Behavior Disorders [ED] - B.A./B.S.</td>
<td>145</td>
<td>144</td>
</tr>
<tr>
<td>Biology [AS] - B.S.</td>
<td>82</td>
<td>82</td>
</tr>
<tr>
<td>Business and Office Education [ED] - B.A./B.S.</td>
<td>135</td>
<td>134</td>
</tr>
<tr>
<td>Chemical Engineering [EN] - B.S.</td>
<td>152</td>
<td>152</td>
</tr>
<tr>
<td>Chemistry [AS] - B.A./B.S.</td>
<td>86</td>
<td>85</td>
</tr>
<tr>
<td>Civil Engineering [EN] - B.S.</td>
<td>152</td>
<td>152</td>
</tr>
<tr>
<td>Civil Engineering [EN] - B.S. (Environmental Engineering)</td>
<td>154</td>
<td>153</td>
</tr>
<tr>
<td>Classics [AS] - B.A.</td>
<td>117</td>
<td>87</td>
</tr>
<tr>
<td>Communication (Speech) [AS] - B.A.</td>
<td>87</td>
<td>88</td>
</tr>
<tr>
<td>Communication Sciences and Disorders [AS] - B.A.</td>
<td>88</td>
<td></td>
</tr>
<tr>
<td>Speech, Language, Hearing Science (LSH)</td>
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<td></td>
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<tr>
<td>Deaf Studies (DST)</td>
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<td></td>
</tr>
<tr>
<td>Educational Interpreter Training (ITT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Criminology [AS] - B.A.</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>Dance Performance [VP] - B.F.A.</td>
<td>188</td>
<td></td>
</tr>
<tr>
<td>Dance Studies [VP] - B.A.</td>
<td>189</td>
<td>188</td>
</tr>
<tr>
<td>Dance Education [VP] - B.S. - Program Inactive</td>
<td>189</td>
<td>188</td>
</tr>
<tr>
<td>Early Childhood Education [ED] - B.A./B.S.</td>
<td>136</td>
<td></td>
</tr>
<tr>
<td>Economics [AS] - B.A.</td>
<td>91</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering [EN] - B.S.</td>
<td>159</td>
<td>158</td>
</tr>
<tr>
<td>Elementary Education [ED] - B.A./B.S.</td>
<td>137</td>
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<tr>
<td>English [AS] - B.A.</td>
<td>92</td>
<td></td>
</tr>
<tr>
<td>(Option 1: English and American Literature, Option 2: Creative Writing: Fiction, Poetry, Option 3: Professional and Technical Writing)</td>
<td>92</td>
<td></td>
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<tr>
<td>Foreign Language Education [ED] - B.A./B.S.</td>
<td>138</td>
<td>138</td>
</tr>
<tr>
<td>(French, German, Italian, Spanish, Russian)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French [AS] - B.A.</td>
<td>119</td>
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</tr>
<tr>
<td>General Business Administration [BA] - B.A./B.S. - Limited Access</td>
<td>126</td>
<td>125</td>
</tr>
<tr>
<td>Geography [AS] - B.A.</td>
<td>95</td>
<td></td>
</tr>
<tr>
<td>(Option 1: Environmental Studies, Option 2: Urban Studies, Option 3: General Geography)</td>
<td>95</td>
<td></td>
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<tr>
<td>Geology [AS] - B.A./B.S.</td>
<td>96</td>
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<tr>
<td>German [AS] - B.A.</td>
<td>120</td>
<td>119</td>
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<tr>
<td>Gerontology [AS] - B.A./B.S.</td>
<td>97</td>
<td>97</td>
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<tr>
<td>(Offered at the St. Petersburg Campus only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History [AS] - B.A.</td>
<td>101</td>
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</tr>
<tr>
<td>Hospitality Management [US] - B.S.</td>
<td>176</td>
<td></td>
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<tr>
<td>Humanities [AS] - B.A.</td>
<td>101</td>
<td></td>
</tr>
<tr>
<td>Industrial Engineering [EN] - B.S.</td>
<td>160</td>
<td></td>
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<tr>
<td>Humanities [AS] - B.A.</td>
<td>101</td>
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<tr>
<td>Industrial Engineering [EN] - B.S.</td>
<td>160</td>
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<tr>
<td>Common Prerequisites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Name</td>
<td>Description</td>
<td>Credits</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------</td>
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<tr>
<td>Industrial-Technical Education [ED] - B.A./B.S.</td>
<td>(Technology Education)</td>
<td>135</td>
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<tr>
<td>Information Systems [EN] - B.S.</td>
<td></td>
<td>158</td>
</tr>
<tr>
<td>Information Technology [US] - B.S.I.T.</td>
<td>(Offered at the Lakeland Campus only)</td>
<td>177</td>
</tr>
<tr>
<td>Interdisciplinary Natural Science [AS] - B.S.</td>
<td>No Common Prerequisites</td>
<td>103</td>
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<tr>
<td>Interdisciplinary Social Sciences [AS] - B.A.</td>
<td>No Common Prerequisites</td>
<td>104</td>
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<tr>
<td>International Studies [AS] - B.A.</td>
<td>No Common Prerequisites</td>
<td>98</td>
</tr>
<tr>
<td>Italian [AS] - B.A.</td>
<td></td>
<td>120</td>
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<tr>
<td>Liberal Studies [AS] - B.A. - Limited Access</td>
<td>No Common Prerequisites</td>
<td>104</td>
</tr>
<tr>
<td>Management [BA] - B.A./B.S. - Limited Access</td>
<td>Common Prerequisites</td>
<td>129</td>
</tr>
<tr>
<td>Marine Biology [AS] - B.S.</td>
<td>Common Prerequisites</td>
<td>83</td>
</tr>
<tr>
<td>Marketing [BA] - B.A./B.S. - Limited Access</td>
<td>Common Prerequisites</td>
<td>129</td>
</tr>
<tr>
<td>Mathematics [AS] - B.A.</td>
<td>Common Prerequisites</td>
<td>107</td>
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<tr>
<td>Mathematics Education [ED] - B.A./B.S.</td>
<td>Common Prerequisites</td>
<td>139</td>
</tr>
<tr>
<td>Mechanical Engineering [EN] - B.S. - Limited Access</td>
<td></td>
<td>162</td>
</tr>
<tr>
<td>Medical Technology [AS] - B.S.</td>
<td>Common Prerequisites</td>
<td>109</td>
</tr>
<tr>
<td>Mental Retardation [ED] - B.A./B.S.</td>
<td></td>
<td>145</td>
</tr>
<tr>
<td>Microbiology [AS] - B.S.</td>
<td>Common Prerequisites</td>
<td>84</td>
</tr>
<tr>
<td>Music [VP] - B.M. - Limited Access</td>
<td>(Performance, Composition, Jazz Studies)</td>
<td>192</td>
</tr>
<tr>
<td>Music Education [VP] - B.A./B.S.</td>
<td>(General (K-12), Instrumental (K-12), Vocal (K-12))</td>
<td>194</td>
</tr>
<tr>
<td>Nursing, Basic [NU] - B.S. - Limited Access</td>
<td>Common Prerequisites</td>
<td>170</td>
</tr>
<tr>
<td>Philosophy [AS] - B.A.</td>
<td></td>
<td>109</td>
</tr>
<tr>
<td>Physical Education [ED] - B.A./B.S.</td>
<td>Wellness Leadership</td>
<td>142</td>
</tr>
<tr>
<td>Physics [AS] - B.A./B.S.</td>
<td>Common Prerequisites</td>
<td>110</td>
</tr>
<tr>
<td>Political Science [AS] - B.A.</td>
<td></td>
<td>99</td>
</tr>
<tr>
<td>Pre-Law Emphasis [AS] - B.A.</td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>Pre-Medical Emphasis [AS] - B.S.</td>
<td>No Common Prerequisites</td>
<td>77</td>
</tr>
<tr>
<td>Psychology [AS] - B.A.</td>
<td></td>
<td>112</td>
</tr>
<tr>
<td>Religious Studies [AS] - B.A.</td>
<td></td>
<td>113</td>
</tr>
<tr>
<td>Russian [AS] - B.A.</td>
<td></td>
<td>120</td>
</tr>
<tr>
<td>Science Education [ED] - B.A./B.S.</td>
<td>(Biology, Chemistry, Physics)</td>
<td>130</td>
</tr>
<tr>
<td>Social Science Education [ED] - B.A./B.S.</td>
<td>Common Prerequisites</td>
<td>141</td>
</tr>
<tr>
<td>Social Work [AS] - B.S.W. - Limited Access</td>
<td>Common Prerequisites</td>
<td>115</td>
</tr>
<tr>
<td>Sociology [AS] - B.A.</td>
<td></td>
<td>116</td>
</tr>
<tr>
<td>Spanish [AS] - B.A.</td>
<td></td>
<td>120</td>
</tr>
<tr>
<td>Specific Learning Disabilities [ED] - B.A./B.S.</td>
<td>Common Prerequisites</td>
<td>145</td>
</tr>
<tr>
<td>Technology Education [ED] - B.A./B.S.</td>
<td>Common Prerequisites</td>
<td>135</td>
</tr>
<tr>
<td>Women's Studies [AS] - B.A.</td>
<td>No Common Prerequisites</td>
<td>117</td>
</tr>
</tbody>
</table>

[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
ACADEMIC CALENDAR
FOR UNDERGRADUATE STUDENTS

FALL SEMESTER, 2003

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 Fall Semester (New Freshmen)
July 1  Tuesday  Application Deadline Date for undergraduate transfers and former students returning to apply for admission (except international applicants)
August 25  Monday  Classes begin
August 29  Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
August 29  Friday  Last day to add courses - Deadline: 5:00 p.m.
August 29  Friday  Last day for late registration - Deadline: 5:00 p.m.
September 1  Monday  Labor Day Holiday
September 5  Friday  CLAST Registration Deadline
September 19  Friday  Graduation Application Deadline
September 26  Friday  Rosh Hashanah Begins
October 4  Saturday  CLAST Administration Day
October 5  Sunday  Yom Kippur
November 1  Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
November 11  Tuesday  Veteran’s Day Holiday celebrated
November 27-28  Thursday-Friday  Thanksgiving Holidays
December 5  Tuesday  Classes End
December 6-12  Saturday-Friday  Final Examinations
December 13  Saturday  Commencement (Tampa)
December 14  Sunday  Commencement (St. Petersburg)
December 15  Monday  Commencement (Sarasota)

SPRING SEMESTER, 2004

August 1  Friday  Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
October 1  Wednesday  Application Deadline for First Time In College Students for Spring Semester (New Freshmen)
November 1  Saturday  Application Deadline Date for undergraduate transfers and former students returning to apply for admission (except international applicants)
January 5  Monday  Classes begin
January 9  Friday  Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
January 9  Friday  Last day to add courses - Deadline: 5:00 p.m.
January 9  Friday  Last day for late registration - Deadline: 5:00 p.m.
January 19  Monday  Martin Luther King Holiday
January 23  Friday  CLAST Registration Deadline
January 30  Friday  Graduation Application Deadline
February 21  Saturday  CLAST Administration Day
March 8-13  Monday-Saturday  Spring Semester Break
March 19  Friday  Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
April 23  Friday  Classes End
April 24-April 30  Saturday-Friday  Final Examinations
May 1  Saturday  Commencement (Tampa)
May 2  Sunday  Commencement (St. Petersburg)
May 3  Monday  Commencement (Lakeland)
May 4  Tuesday  Commencement (Sarasota)
### SUMMER TERM, 2004

#### SESSION A
(First Six-week Session)

- **January 2** Friday: Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents.
- **April 1** Thursday: Application Deadline Date for undergraduate transfers and former students returning to apply for admission (except for international applicants).
- **April 2** Friday: Application Deadline for First Time In College Students for Summer Semester (New Freshmen).
- **May 7** Friday: CLAST Registration Deadline.
- **May 10** Monday: Classes begin.
- **May 14** Friday: Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
- **May 14** Friday: Last day to add courses.
- **May 14** Friday: Last day for late registration.
- **May 14** Friday: Last day to pay fees.
- **May 31** Monday: Memorial Day Holiday.
- **June 4** Friday: Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
- **June 4** Friday: Graduation Application Deadline.
- **June 5** Saturday: CLAST Administration Day.
- **June 18** Friday: Last day of classes.
- **June 21-25** Monday-Friday: Summer Break between Session A and Session B.
- **August 7** Saturday: Summer Commencement (Tampa) - Tentative Date.

#### SESSION B
(Second Six-week Session)

- **January 2** Friday: Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents.
- **April 1** Thursday: Application Deadline Date for undergraduate transfers and former students returning to apply for admission (except for international applicants).
- **April 2** Friday: Application Deadline for First Time In College Students for Summer Semester (New Freshmen).
- **June 4** Friday: Graduation Application Deadline.
- **June 28** Monday: Classes begin.
- **July 2** Monday: Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
- **July 2** Monday: Last day to add courses.
- **July 2** Monday: Last day for late registration.
- **July 2** Monday: Last day to pay fees.
- **July 5** Monday: Independence Day Holiday Observed.
- **July 23** Friday: Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
- **August 6** Friday: Last day of classes.
- **August 7** Saturday: Summer Commencement (Tampa) - Tentative Date.

#### SESSION C
(Ten-week Session)

- **January 2** Friday: Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents.
- **April 1** Thursday: Application Deadline Date for undergraduate transfers and former students returning to apply for admission (except for international applicants).
- **April 2** Friday: Application Deadline for First Time In College Students for Summer Semester (New Freshmen).
- **May 7** Friday: CLAST Registration Deadline.
- **May 10** Monday: Classes begin.
- **May 14** Friday: Last day to withdraw/drop and receive full refund of registration fees - Deadline: 5:00 p.m.
- **May 14** Friday: Last day to add courses.
- **May 14** Friday: Last day for late registration.
- **May 14** Friday: Last day to pay fees.
- **May 31** Monday: Memorial Day Holiday.
- **June 4** Friday: Graduation Application Deadline.
- **June 5** Saturday: CLAST Administration Day.
- **June 25** Friday: Last day to drop or withdraw from courses without academic penalty - Deadline: 5:00 p.m.
- **July 5** Monday: Independence Day Holiday Observed.
- **July 16** Friday: Last day of classes.
- **August 7** Saturday: Summer Commencement (Tampa) - Tentative Date.
## ACCREDITATION

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

## DEGREES* OFFERED

### AT THE UNIVERSITY

<table>
<thead>
<tr>
<th>Undergraduate Degrees</th>
<th>Graduate Degrees</th>
<th>Advanced Graduate Degrees</th>
<th>Professional Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts</td>
<td>Master of Health Administration</td>
<td>Master of Social Work</td>
<td>Doctor of Medicine</td>
</tr>
<tr>
<td>Bachelor of Engineering Technology</td>
<td>Bachelor of Fine Arts</td>
<td>Bachelor of Business Administration</td>
<td>*See index for individual degree programs</td>
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<td>Bachelor of Independent Studies</td>
<td>Bachelor of Music</td>
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<td>Bachelor of Science in Applied Science</td>
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*See index for individual degree programs

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

Mission -
The University of South Florida is a multi-campus national research university that supports the development of the metropolitan Tampa Bay Region, Florida, the United States and the world. Building upon unique strengths inherent in Florida’s population, location, and natural resources, the university is dedicated to excellence in:

• Teaching and lifelong learning in a student-centered environment
• Research to advance knowledge and promote social, cultural, economic, educational, health, and technological development
• Service based on academic excellence and the ethic of community responsibility
• Community engagement to build university-community partnerships and collaborations

Goals -
The University of South Florida will continue to expand its influence as a premier research university through:

• Strengthened research, creative, and scholarly endeavors
• Improved undergraduate and graduate academic programs that promote intellectual development and student success through a diverse, student-centered environment
• Engaged service that strengthens cultural and community life, and promotes lifelong learning and economic opportunity
• Increased fiscal self-sufficiency and appropriate state support

Values -
The University of South Florida values:

• Teaching, research and service based on the highest standards of discovery, creativity, and intellectual attainment
• Development of the personal and professional potential of students, faculty, and staff, and enriching the quality of campus life
• An ethic of collegiality based on integrity, civility, academic freedom, professional responsibility, and collaboration among disciplines and units
• Access to an excellent education
• University/community engagement that increases the understanding of urban issues and advances community development
• Cultural and ethnic diversity and global understanding

Vision -
The University of South Florida envisions itself as a premier national research university that serves the metropolitan Tampa Bay Region, Florida, and the nation through:

• Excellent undergraduate and graduate instruction in a student-centered environment
• Creative, innovative, engaged scholarly endeavors, and the furthering of advanced knowledge
• Education that promotes freedom, unity, democracy, and understanding in the presence of our Nation’s historical diversity
• Generation and dissemination of knowledge to strengthen our society and the environment
• Greater fiscal self-reliance.

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 offering comprehensive, state-of-the-art, student-centered programs. With growing prestige and a dedicated faculty, including more than 75 faculty Fulbright Scholars and 46 endowed chairs, USF has become a research powerhouse.

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

As one of the top 60 public research universities in the country USF’s contracts and grants are more than $207 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 1.7 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 39,000 students — with about 200 programs at the undergraduate, master’s, specialty and doctoral levels, including the M.D. Entering freshmen boast an average SAT score of approximately 1,100 and a grade point average of nearly 3.5.

USF’s commitment to inclusion is reflected in its student body. African American, American Indian, Latin and Asian students comprise nearly 30 percent of USF students. A growing contingent of international students, now representing well over 120 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 2,500 highly-regarded faculty who are products of the world’s most prestigious colleges, universities and research institutes.

More than 175,000 USF alumni contribute to society in numerous professional and civic activities. Those who live in the Tampa Bay area alone would nearly fill Tampa’s professional football stadium (Raymond James Stadium, which is also home field for the Bulls NCAA Division I football team and the 2001 Super Bowl).

USF is big in size as well as stature. Its annual operating budget is about $1 billion.

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 campuses cover 1,921 acres, housing more than 359 buildings, which exceed 6 million gross square feet in size.

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
disability 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: Students with disabilities have the academic support necessary to achieve academic success at the University of South Florida. Course related assistance and academic accommodations are provided to eligible students with documented disabilities. Services may include advocacy, reader services, interpreters, alternate exam administration, note takers, and adaptive equipment such as FM systems and large print computer access. Students are encouraged to contact our office as early as possible prior to enrollment to make arrangements for appropriate services. Documentation of a disability and significant current functional impairment resulting from that disability is necessary in order for accommodations to be provided.

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 Office of Student Disability Services. Students with declared majors requesting substitution of departmental graduation requirements will need to contact the chair of their department. In either case, students will be requested to submit documentation to Student Disability Services 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 to 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
Student Disability Services
SVC 1133
(voice) 813-974-4309
(TDD) 813-974-5651

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

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

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

FACILITIES AND ATMOSPHERE

The facilities of the USF Tampa campus, now including more than 200 major buildings, are currently valued at more than $300 million. The buildings are of similar modern architectural design and are completely air conditioned. The Tampa campus has a variety of recreational facilities, including: a gymnasium that features a weight room and natatorium; a 400-meter track; two outdoor swimming pools; 22 tennis courts; six handball/ racquetball courts; an 18-hole golf course; two 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 architecturally suggesting the casual accessibility that has become a USF trademark.

UNIVERSITY POLICE

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

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

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

UNIVERSITY POLICE DEPARTMENT CAMPUS LOCATIONS:

- On the Tampa Campus the University Police Department is located at the corner of Fletcher Avenue and Maple Drive. The emergency number is 9-1-1 and the non-emergency number is (813) 974-2628.
- 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 or who have experienced trauma. 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, sensitive and private. 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
HILLSBOROUGH COUNTY CRISIS LINE 234-1234
Admission to the University of South Florida requires evidence of ability to handle academic work, capacity to think creatively, and strong motivation. The minimum admission requirements are designed to help identify applicants whose academic background indicates potential for success at USF; however, satisfaction of minimum admission requirements does not guarantee acceptance. The admission of new students at all levels is on a selective basis within curricular, space, and fiscal limitations. The selection process may include such factors as grades, test scores, pattern of courses completed, class rank, educational objectives, past conduct, school recommendations, personal recommendations, and portfolios. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success.

The University encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. In the admission process there is no discrimination on the basis of these factors or on the basis of 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." The University supports equal educational opportunity for disadvantaged students. Requests for waiver of the $30.00 application fee are considered by the Director of Admissions if payment of this fee creates severe financial hardship and serves as a deterrent to application.

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

Applying for Admission

Obtaining an Application

As part of the State University System (SUS) of Florida, USF uses the common SUS Application Form for undergraduates. Application guidelines for Florida community/junior colleges may obtain the SUS Application Form in school guidance offices or request it from the Office of Undergraduate 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 or undergraduate transfer.) Applications can be requested by phone, toll-free at 877-USF-BULL. The online undergraduate admissions application may be found at http://ustweb.usf.edu/enroll/admiss/factsinstructions.html. The University prefers 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 deadline 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 deadline date is normally about ten weeks prior to the first day of classes in each term.

Who Should Apply

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

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

Changing Requested Term of Entry

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

An applicant who requests a new entry term must meet the admissions requirements in effect for the new term requested. Entry for some programs 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 Undergraduate Admissions in Tampa. (See “Minimum Requirements for Admission” below for information concerning required documentation.) All credentials and documents submitted become the property of USF. The originals or copies of the originals will not be returned to the applicant or forwarded to another institution, agency, or person.

Provisional Admission

An applicant admitted on a provisional basis must submit the requested missing credentials, such as official final transcripts or test scores, 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 Undergraduate Admissions.

Admission Denials are final and may only be appealed to the University Academic Appeals Board.

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 registering for classes that meet on campus, all students entering USF with 45 or more 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 Proof of Immunity
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 Immunization
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 (Rubeola) 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.

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, International Baccalaureate courses, and Advanced International Certificate of Education 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 Program 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 courses are considered competitive. The University sets minimum admission requirements that may be found on the Undergraduate Admissions web homepage. Please refer to http://usfweb.usf.edu/enroll/admiss.htm for the current minimum admission requirements. Admission to the University is selective; therefore, meeting minimum requirements does not guarantee admission.
4. Applicants submitting a GED diploma must have an overall score of at least 700 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.
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: SAT-I - 440 verbal, 440 mathematics or ACT - English 17, Reading 18, Mathematics 19.

Early Admission Applicants (Freshmen)
USF provides an early admission program to meet the needs of highly capable, mature high school students. Under the early admission program these students may enter the university as regularly enrolled, degree-seeking students prior to graduation from high school. Participation in the early admissions program shall be limited to students who have completed a minimum of six semesters of full-time secondary enrollment, including studies undertaken in the ninth grade. In addition, early admission applicants should be enrolled in a strong college-preparatory curriculum while in high school. Applications for early admission will be reviewed by the Director of Undergraduate 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 V (Verbal) and 440 on SAT I Q (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 regionally 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 a 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 admission 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 policies do not provide for local exceptions to these requirements.);
4. Complete (with passing grades) two years of the same foreign language in high school or 8 to 10 semester hours of the same foreign language at the post-secondary level (as required by Florida Statute 240.233);
5. Present a minimum score of 213 (computer-based test) or 550 (paper-based test) on the Test of English as a Foreign Language (TOEFL) if the applicant’s native language is not English. The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing.

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
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 or USF 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 quota/limited access degree programs must also meet all requirements specified by the desired program. The admission of Florida community/junior college A.A. transfer students is governed by the Articulation Agreement between state universities and public community colleges in Florida.

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

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

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 contribute to a representative and diverse student body. These undergraduate transfer applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of promise for academic success. These applicants should also submit appropriate alternative evidence of academic achievement, ability, motivation, and responsibility that indicates a potential for academic success at USF.

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

High school graduates planning to start their college education at a Florida community college should confer with the community college counselor and ask that their academic program be planned with the assistance of the USF Undergraduate Catalog (USF’s Community College Counseling Manual has been incorporated into this catalog) 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 the transfer institution if those 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 Undergraduate Admissions. The Office of Undergraduate Admissions will evaluate the acceptability of total credits transferable to the University. The college
of the student’s major will assign equivalent courses in determining which courses are applicable toward a specific degree at the University. In some instances, exact course equivalents will also be determined by other colleges which offer the same or similar courses as part of their programs of study. Transfer students should be prepared with personal copies of their transcripts of all past coursework 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/commis-

sions at the time the credits are earned. (See “ below for agencies recognized by USF.) Credits earned at an institute-

tion that is currently in “candidacy” status will not be considered for transfer credit until such time as the awarding

institute receives full accreditation. 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. USF does not award transfer credit from institutions that it determines to be occupational or vocational in nature.

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

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

6. Virtually all USF baccalaureate degrees require that at least 60 semester hours be earned from a baccalaureate-granting institution regardless of credit hours transferred from a community/junior college unless the student has received prior approval for waiver of this policy from the college of his/her intended major. This policy does not apply to 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 60 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 Secondary 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 school to the time of application, and a Visa Clearance Form (if currently in the U.S.). Transcripts in a language other than English must be accompanied by a certified English translation.

International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student. Information about recommended and approved independent evaluators is available from the Office of International Admissions (http://web.usf.edu/iac/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.

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

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

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

**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 Campus

Superior students in all majors may avail themselves of Honors opportunities at USF’s Tampa campus. 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 the 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 Thesis. Students may enroll in both 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.

USF St. Petersburg has an Honors Program. For additional information, phone (727) 553-3103.

Learning Communities

A Learning Community is a group of students who enroll in the same classes for a semester, a year, or sometimes longer, and who work together with their faculty to develop their own thinking and learning skills. Specifically designed for beginning freshmen, the Learning communities at the main campus in Tampa allow students to meet many of the General Education requirements – those courses all students are required to take their first 2 years in college – in a more focused way than courses selected independently of one another.

Several distinct Learning Communities are available each year, focusing on different themes, with one Learning Community reserved for students who wish to live on campus in the same residence hall. If you would like a small, liberal arts college experience within a large university, if you would enjoy working closely with other students and faculty; if you are qualified to enroll in freshman English (min. SAT verbal 440 or EACT English 17); please consider including Learning Communities in your USF experience. Spaces in the communities are limited. Interested students may contact Kim Williams, Learning Community Advisor at (813) 974-6968, email: Williams@chuma1.cas.usf.edu, or visit our Web site at http://web.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 course 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 or a community college prior to graduation from high school (see Dual Enrollment [Public/Private High/Home School]). Community college students should follow eligibility criteria for non-degree seeking students (below).
4. Early admission for high school students (see Early Admission Freshmen).
5. Educational Outreach courses by television. Credits may be earned through a combination of the above options. Students should consult their college advisors for further information concerning the application of this credit toward their degree requirements.

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

Non-Degree Seeking Student

Non-degree seeking student enrollment is on a space-available basis and has been established for those individuals who, while not desirous of earning a degree, would like to enroll in all levels of university courses. Teachers needing to take courses for certification purposes, high school students (with the permission of their respective guidance counselor), individuals 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. Information, registration forms, and advising for senior citizens are available at these sessions or by contacting the Division of Senior Programs for further details.

* See Florida residency requirements in this catalog.

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

1. Be at least 16 years old at start of term, unless enrolled in a special summer program initiated by USF or a special course section involving only dual enrollment students.
2. Have proof of a minimum of 440 on SAT I (Verbal) and 440 on SAT I Q (Quantitative); or a score of 17 on EACT English, 18 on EACT Reading and a score of 19 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 Honors College (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 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 Undergraduate Admissions by the deadline indicated in the Academic Calendar for the term of requested re-entry. A new application fee is not required. (Former College of Education majors must contact the College of Education Advising Office for additional readmission requirements.) To be readmitted, a student must meet the following requirements:

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

Students who have attended one or more institutions since their last enrollment must request official transcripts of all work attempted at the other institution(s) be sent to the USF Office of Undergraduate 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 where they will take all or 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 Undergraduate 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 Undergraduate 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 Florida School Code (SB20-E) Section 1009.21 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 claiming on parent’s or legal guardian’s federal income tax statement or whose parents do not provide 50% or more of their support) or dependent students (students, regardless of age, who are claimed as dependents by parent or legal guardian on federal income tax statement or whose parents provide 50% or more of their support).

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

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

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

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

For more information regarding residency for tuition purposes please visit: http://www.registrar.usf.edu/Residency/

**PLEASENOTE:** 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.

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

1. **Initial Application Fee**
   - (Each application - not refundable) $30.00
2. **Tuition**
   - Schedule/Fee Statements are no longer mailed. Tuition is due by the fifth day of each term. To find out the amount of the total tuition due (the amount will not reflect any payments made on the account), students can bring a photo ID to the Registration HelpDesk located in the Registrar’s Lobby, SVC 1034, and request a Registration Confirmation which will reflect total tuition and fees.
   - The student is responsible for paying fees in full by the appropriate due date stated in the particular term’s “Schedule of Classes.” Failure to do so may result in cancellation of the student’s registration. Fees paid by mail must be postmarked by the post office, not office meter 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, check or credit card before reinstatement will be affected.

   a. **Fall 2003 Tuition Fee Structure**

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

   **Campus/Course Level**  | **Resident** | **Non-Resident**

   **Tampa Campus:**
   - 0001-4999 Undergraduate $89.99/hr $408.12/hr
   - 5000-Over Graduate $183.67/hr $676.33/hr

   **USF Downtown Center Credit Courses:**
   - 0001-4999 Undergraduate $95.89/hr $340.48/hr
   - 5000-Over Graduate $172.36/hr $551.12/hr

   **Tampa Anytime Anyplace/Off Campus Credit Courses:**
   - 0001-4999 Undergraduate $81.73/hr $399.86/hr
   - 5000-Over Graduate $175.41/hr $664.23/hr

   **St. Petersburg Campus:**
   - 0001-4999 Undergraduate $77.89/hr $396.02/hr
   - 5000-Over Graduate $171.57/hr $664.23/hr

   **St. Petersburg Anytime Anyplace/Off Campus Credit Courses:**
   - 0001-4999 Undergraduate $77.29/hr $395.42/hr
   - 5000-Over Graduate $170.97/hr $663.63/hr

   **Sarasota Campus:**
   - 0001-4999 Undergraduate $79.61/hr $397.74/hr
   - 5000-Over Graduate $173.29/hr $665.95/hr

   **Sarasota Anytime Anyplace/Off Campus Credit Courses:**
   - 0001-4999 Undergraduate $77.61/hr $395.42/hr
   - 5000-Over Graduate $171.29/hr $663.95/hr

   **Lakeland Campus:**
   - 0001-4999 Undergraduate $73.13/hr $391.26/hr
   - 5000-Over Graduate $166.81/hr $659.47/hr

   **Lakeland Anytime Anyplace/Off Campus Credit Courses:**
   - 0001-4999 Undergraduate $73.13/hr $391.26/hr
   - 5000-Over Graduate $166.81/hr $659.47/hr

   *See "Resident Status," above

   **Flat Fees:**

   - **Tampa Campus** $17.00
   - **Regional Campuses** $5.00

**NOTE:**

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

(2) Fees are assessed for individual courses. See Course Listings for course sections with these fees.
(3) Students who only register for a co-op assignment must pay a minimum of one (1) hour at the level of the co-op assignment.

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

(5) Tuition fee payment should be mailed to:
Tuition/Purchasing and Financial Services
University of South Florida, ADM 147
4202 E. Fowler Avenue
Tampa, Florida 33620-5800

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

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

All non-degree seeking students who have not registered for any courses by the end of the first week of classes will be automatically assessed a $100.00 late registration fee.

4. 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.

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

6. Intern Certificate of Participation
Individuals who have supervised interns may register for courses during a term by presenting their intern Certificate of Participation. The 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 metered) by the fifth day of the term to avoid being cancelled or charged the $100.00 late payment fee.

7. Faculty and Staff Educational Assistance Program
The University is developing 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:

$23.86 Tampa Campus
$11.76 St. Petersburg Campus
$  7.00 Lakeland Campus
$15.60 Tampa YOU
$11.48 Sarasota YOU
$16.66 New College

This fee must be paid or postmarked by the fifth day of the term to avoid being cancelled or charged the $100.00 late payment fee.

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. 2003/2004 Room Rent for Double & Single Occupancy*
Room rent is paid in accordance with information in the Student Housing Contract.

<table>
<thead>
<tr>
<th>Double Occupancy</th>
<th>Fall/Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kosove</td>
<td>$3,408</td>
</tr>
<tr>
<td>Andros and Castor</td>
<td>$2,818</td>
</tr>
<tr>
<td>Maple</td>
<td>$3,000</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Single Occupancy</th>
<th>Fall/Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kosove</td>
<td>$4,504</td>
</tr>
<tr>
<td>Andros and Castor</td>
<td>$4,112</td>
</tr>
<tr>
<td>Holly</td>
<td>$4,460</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Magnolia Appartments</th>
<th>Fall/Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single - 9 month contract</td>
<td>$583/mo.</td>
</tr>
<tr>
<td>Family - 9 month contract</td>
<td>$850/mo.</td>
</tr>
</tbody>
</table>

Please note: rates and plans are subject to change. Please visit our website at www.usfdiningservices.com or our Sales Office in the Marshall Center (room 40) for the most up-to-date information.

Traditional Meal Plans
All meals are eaten at the Fresh Food Company and the Andros Dining Center. Flex Dollars can be used at any USF Dining location on campus. Meals do not roll over from semester to semester (or week to week with the Any 15). Flex Dollars roll over from Fall to Spring, but unused Flex Dollars are forfeited at the end of Spring. Meal plan portion is already taxed.

Available to all students:

- Unlimited Plan + $150 Flex Dollars $1549.67
- Any 15 Plan + $300 Flex Dollars $1377.85
- BULLBlock 150 + $150 Flex Dollars $1222.34

Available to voluntary students and mandatory students only living in Kosove, Holly or Greek Housing:

- BULLBlock 90 + $300 Flex Dollars $877.80

Available to voluntary students only:

- BULLBlock 50 + $300 Flex Dollars $877.80
- FlexiBULL 1000 (receive $1100) $1000
- FlexiBULL 500 (receive $550) $500
- FlexiBULL 300 (receive $330) $300

Declining Balance Account
A Declining Balance account is available to voluntary students in place of a traditional meal plan, or to a mandatory student to add money to their meal plan. DB funds can be used at any dining location on campus, including the Fresh Food Company and Andros Dining Center. There are special discounts associated with using your DB money at some of the dining locations. There is no fee, no minimum to maintain and the money rolls over through the semesters and the years.
### 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 125, 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) as 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://www.usf.edu/finaid and via OASIS: http://usfonline.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 #001837, 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 detailed information regarding financial aid are provided each year in the Financial Aid Handbook and on our Web site. Conduct a nationwide scholarship search: http://www.fastweb.com and check out USF’s scholarship information.

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.

Tuition, housing and meal plan deferments are available to qualified financial aid applicants. For more information, see your Schedule of Classes.

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 Schedule of Classes.

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

Each campus has a financial representative. Tampa (813) 974-4700; Lakeland (863) 667-7028; 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 Undergraduate 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 Office of Undergraduate Admissions 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. Applications are completed by the priority application dates 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 Office of Undergraduate Admissions 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 Undergraduate 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 for access, financial aid information through the Office of Financial Aid Web page.

**PARKING AND TRANSPORTATION**

**Do you have to have a parking permit?**

Parking permits are required to park at the University of South Florida 24 hours a day, 7 days a week, including holidays. Each person may purchase only one vehicle permit (an additional permit for motorcycle, bicycle, and Park-n-Ride is allowed). Permit parking designation is based on campus/class location. You don’t have a permit, you must park at a metered parking space or a timed space. For additional permit information, call 974-3990, Option #1, or visit our website www.usf.edu/parking_services.

**Do Visitors need a parking permit?**

Yes. The daily parking fee is $2.50. The fee is applicable to visitors or event attendees who park in visitor lots as defined in the parking brochure. Visitors may obtain up to 3 courtesy Park-n-Ride permits per semester and take advantage of the Fare Free Campus Shuttle to travel to their destination on campus. Faculty, staff, students and vendors are not eligible for these permits.

**How do you obtain a permit?**

Parking permits may be purchased on the Tampa Campus at the Campus Information Center (on Leroys Collins Blvd., off of Fowler at the main entrance) or the Parking and Transportation Services Building PSB101. Daily visitor parking permits can also be purchased from parking permit machines located within designated visitor parking lots. On the St. Petersburg Campus permits may be purchased at 140 7th Ave. South, ONE 304 (SW corner of 5th Ave., South & 1st Street South). On the Sarasota campus permits may be purchased at Building D, PMD127. Parking maps and brochures are available with details or lot designations.

**Is there a bus on campus?**

Shuttle bus service is provided FARE FREE to USF faculty, staff, students and visitors. Routes cover the entire USF Tampa Campus, and some campus housing areas north of campus. The D Route connects many Hartline routes at the University Area Transit Center to the campus as well as connecting the University Mall. A USF ID Card is required to board any shuttle off campus. Shuttle maps and schedules are available detailing route information. For additional information call (813) 974-6902 or visit our website www.usf.edu/parking_services.

You may also board any regular Hartline bus route, using your USF card. For route information for Hartline call (813) 254-4278. You may also follow the link on our website.

**Bull Runner Hours of Operation:**

- Monday - Thursday 7 am - 9:30 pm
- Last pick-up at Mall - 9:00 pm
- Friday 7 am - 5:30 pm
- Last pick-up at Mall - 5:00 pm

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

Low Tire? Keys locked in car? Need to jump-start your car? Call Parking and Transportation Services at 974-3990, Option #5. This FREE service is provided from 8:00 am until 8:30 pm Monday through Thursday and Friday 8:00 am until 4:30 pm (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, altering a parking permit or being in possession of a lost or stolen permit is a serious violation and will result in immediate immobilization or towing of the vehicle and possible revocation of campus parking privileges. If you receive a parking citation and believe that extraordinary or mitigating circumstances warrant a waiver, then you may petition Parking and Transportation Services within 14 days for reconsideration. Respond to parking citations within 14 days of issuance to avoid late fees. Most common citations are for no permit, expired parking meter, and parking out of assigned area. For additional information call (813) 974-3990, Option #1, or visit our website www.usf.edu/parking_services.

**Questions?**

Additional information may be obtained by calling 974-3990, Option #1, or by visiting the Parking and Transportation Services website located at www.usf.edu/parking_services.

**Customer Service - Main Office Hours of Operation**

- (Expanded hours during RUSH) (subject to change):
  - Mon, Tues, Wed, Thurs: 7:00 am – 5:30 pm
  - Friday: Closed

**Campus Information Center**

- Monday, Tuesday, Wednesday: 7:30 am - 6:00 pm
- Friday: 7:30 am - 5:00 pm

**Lobby Hours of Operation**

- Monday, Tuesday, Wednesday: 7:00 am - 6:00 pm
- Friday: 7:00 am - 5:00 pm

**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 are eligible for benefits are charged in Veterans Services for information, procedures, and forms as early as possible. To initiate, change, or renew benefits at USF, a request must be submitted through that office.

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

VA regulations require that students take only courses that are applicable to their degree program or other approved program and make satisfactory progress toward their degree. Students should consult the “Handbook for VA Students” (available at their local USF Veterans Services office) or log on to USF Veterans Services web site: http://usfweb.usf.edu/vetservice for information on various programs/services, and VA rules and regulations. If you fail to maintain your eligibility for VA 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 1-888-442-4451.
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 Board of Trustees of the University of South 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 Trustees 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, inspire 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 as individuals will have a voice.

Center for Academic Advising
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, (813-4309), 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.

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. T typically takes ten (10) 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 the inclusion of adjustment 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. Only accommodations specified in the accommodation memorandum are approved by SDS.

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.

The Staff of SDS are available for consultation regarding student disability issues. Please call 974-4309 for information. Two American Sign Language (ASL) interpreters are on staff in SDS. These certified interpreters are available for emergency situations campus-wide when not accommodating students with hearing impairments. Call 974-8157 (voice) or 974-1597 (TDD) for information.
McNair Scholars Program
Location/phone: SVC 2049, (813) 974-1605
Web address: http://www.sa.usf.edu/McNair

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

McNair Scholars are awarded scholarship stipends when they participate in the Summer Research Institute and during their research internship in their senior year. The Program also provides students opportunities to 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 Program
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.

Kosove Scholarship Program
Location/phone: FAO 274, (813) 974-3087
Web address: http://www.usf.edu/finaid2/Website/Kosove.htm

The Kosove Scholarship
The Kosove Scholarship Program makes annual, renewable scholarship awards to undergraduate and graduate students. These awards pay the full cost of Florida-resident tuition, books, housing and food service, or the equivalent costs for students living off-campus. Awards are made for four academic years (fall and spring) to undergraduate freshmen, two academic years to currently enrolled students and transfers, and for two academic years to graduate students.

Academic criteria are used as starting points in the selection process. Assuming academic criteria are met, Kosove Scholars are selected through a rigorous examination of leadership abilities, commitment to community service and demonstrated concern for the global society.

Goals of the Kosove Society
When A. Harrison and Ruth Kosove founded the Kosove Society in 1983, they envisioned a close network of individuals from all professions and fields of study working together as leaders in building a better community for the Tampa Bay area and beyond. The Kosove Society is comprised of current and past Kosove scholarship recipients. To achieve these ambitious and important goals, members of the Kosove Society must be willing to bear a continuing responsibility to service throughout their lives.

• To assume a role of leadership in the USF community by promoting responsible inquiry and debate over issues of genuine concern to the university population.
• To exemplify responsibility as educated citizens through active community service.
• To strengthen and sustain the friendship network which exists between all members of the Kosove Society through social activities and the induction of motivated members.

Parents Association
Location/phone: ALC 000, (813) 974-2651
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 and Secretary/Treasurer. The Association has an allocated budget to conduct mailouts, newsletters, and sponsor student related activities and fund the annual Family Weekend Activities, which usually occurs in October.

• The Association works closely with Residence Services, Admissions, Orientation, Student Affairs and the University Development Office.

Project Thrust
Location/phone: SVC 2043, (813) 974-4227

Project Thrust is a support program established to provide personal, and academic support to undergraduates at the University. Its mission is to provide programs and activities that enhance students’ opportunities to attain their education and career objectives. Utilizing established partnerships with programs, departments and colleges, Project Thrust helps the University to create an atmosphere of collaboration, mutual respect, and trust for its students, faculty and staff. The program’s holistic approach to student development helps students to persist and graduate. This program contributes significantly to the University’s commitment to create an environment of intellectual excellence and a culturally diverse academic community.

Project Thrust has advisors in the following colleges: Arts and Sciences, Business, Education and Visual and Performing Arts. In addition to providing advising, counseling and retention activities, Project Thrust advisors coordinate various activities to provide academic and career support.

Personal Excellence Program
Location/phone: SVC 2043, (813) 974-4227

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

The Personal Excellence Program also provides a residential summer transition program for students who have the potential to succeed in college but may not meet all of the admission criteria. Prior to participant selection, the University considers high school grades, courses, test scores, choice of major and other achievements. The summer program facilitates a smooth transition into campus life by acquainting
students with the University’s expectations and resources. PEP supplies individualized advising, assistance with fall semester registration and offers strategies for a successful life in college. PEP’s intensive summer experience provides course credit toward graduation while enhancing personal and academic success at the University of South Florida.

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

Used at major universities throughout the state of Florida, the Student Academic Support System (SASS) is a computer assisted advising program designed to help students track their progress toward meeting general education and undergraduate degree requirements. Each SASS report is specific in that it matches a student’s academic record against the requirements of the student’s degree program. SASS reports are available to each undergraduate student through the student’s advisor, 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 students’ parents did not earn a four year degree). 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 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, academic advising, 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:** USF 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.atts.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 provides USF students with comprehensive career planning and job search services. A staff of experienced Career Center professionals is available to help students choose a career; gain career-related work experience and prepare for an effective job search. The Career center also provides information on employment opportunities and creates venues where students can network and interview with local, state and national employers.

The Career Center’s numerous services are clustered into the areas of career planning, career-related work experience, job search preparation, and connecting with employers.

Career Planning  
- **Individual Career Advising Appointments** may be made with a career specialist to help students make an informed decision about a potential career and academic major.

Career Assessment Surveys are available to help students identify their interests, skills and work values. Both pen and paper and web-based assessments are available.

Career Decision-making Workshops teach students about the career development process and the steps to be taken in order to choose a career and academic major.

Career Reference Library contains information on career fields, including job descriptions, working conditions, educational requirements, salary information and projected employment outlook.

Graduate & Professional School Fair provides an opportunity for students thinking about continuing their education to talk to Admissions representatives from graduate and professional schools.

Career-related Work Experience  
- **Part-time Jobs**, both on and off campus, including Federal Work Study Program (FWS) jobs are posted on the Career Center web site.

Cooperative Education (“Co-op”) is a structured, academic program of paid, practical work experience related to a student’s major. See the Career Center web site for eligibility criteria and program details.
Internships from on and off-campus employers are advertised on the Career Center web site. Internships for academic credit are coordinated through the student’s sponsoring academic department.

Job Search Preparation

Individual Career Advising Appointments may be scheduled for assistance with resume/cover letter preparation; interview techniques; and various other job search strategies.

Walk-in Advising is available to answer questions about careers, job search or Career Center services. These fifteen-minute sessions are available Monday–Thursday (8:30–4:30) during fall and spring semesters.

Job Search Workshops are available on topics such as resume writing, interview techniques and other job search strategies, and include one on how to participate in the on-campus interview program.

Job Search Reference Library contains resources on resume writing, interviewing and job search strategies, as well as employer directories and salary information.

Job Search Computer Lab, located in the Career Center reference library, is equipped with computers with Internet access for conducting a cyberspace job search, scheduling on-campus interviews and researching employers.

Business & Dining Etiquette Program, taught by a certified business etiquette professional, provides students with business and dining etiquette training. A full-course meal is included.

Alumni Services are available to students up to six months after graduation, at no cost. After that time, there is a nominal fee for six months of unlimited access to all Career Center services.

Connecting with Employers

On-Campus Interviews are conducted in the Career Center by local, state and national recruiters from numerous types of organizations to fill their internship, Cooperative Education and full-time professional positions. All majors are eligible to participate.

Resume Referral is available to students who have uploaded a resume in the Career Center’s electronic resume database. The Career Center will forward resumes of students matching the employer’s hiring criteria, upon the employer’s request.

Virtual Video Interview (VVI) allows students to visually market their skills, experiences and qualifications to a potential employer by making a web based video, accessible to employers via the web from anywhere in the world. The VVI, linked to the student’s uploaded resume, is the latest technology for screening interviews. There is a nominal fee for this service.

Career Networking Fairs, held each semester, bring students and employers together to network and discuss employment opportunities.

Job Listings are posted on the Career Center’s web site daily and include part-time jobs, internships, Cooperative Education and full-time professional vacancies.

Credential Service is available to graduate students seeking employment in higher education and/or research institutions. Up to five reference letters and a transcript may be stored in the Career Center and mailed to prospective employers upon request.

Financial Aid

Location/phone: Toll Free: 1-877-USF-BULL
St. Petersburg Campus: SVC 1102, (813) 974-4700
St. Petersburg Campus: BAY 105, (727) 553-1128
Sarasota Campus: USS-C, (941) 359-4330
Lakeland Campus: LLC 2101, (863) 667-7028

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

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

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 Website, 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.

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://www.registrar.usf.edu

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 on the web and in the registrar’s office.

The Registrar’s Office provides information and services to students via OASIS, the University’s Online Access Student Information System. Using their self-declared personal identification number (PIN), students can register and drop/add, process address changes, access registration appointment and hold information, request privacy and view their grades. Students can also browse the University Schedule of Classes. Information and services are continuously 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.
The Counseling Center is a comprehensive, student-oriented facility providing services in educational skill enhancement, life planning, 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.

Counseling Services are designed to enhance the personal, academic, emotional, social, career, and life planning effectiveness of students. Fully accredited by the International Association of Counseling Services (IACS), the USF Counseling Center is staffed by professional psychologists and psychiatrists licensed to practice in the state of Florida. These professionals assist students in developing a clearer sense of identity, establishing greater autonomy, discovering strengths and weaknesses, identifying realistic educational and career goals, and becoming more insightful, self-directing individuals. Services aimed at early detection, grater self-understanding, effective problem-solving, and informed decision-making include: intake evaluation and disposition, crisis intervention, psychological assessment, time-limited individual psychotherapy, couples therapy, personal growth groups and both time-limited and ongoing psychotherapy groups. Adjunctive services include psychiatric consultation, anxiety management, and skill-enhancement workshops.

The Reading and Learning Program provides coursework, workshops, and individual instruction in the learning strategies and reading skills necessary for academic success. The program offers three credit-bearing courses—Advanced Reading (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 reaing, 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 students in improving 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 groups, workshops and presentations provided for students and staff as means of secondary 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, vocational 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 is the point where students submit all paperwork concerning VA Educational Benefits. Programs to help students financially include VA Work-Study Program, VA Deferment of Fees, Advance Payment Program and VA Tutorial Assistance Program. Office Hours: 8 a.m. to 5:00 p.m., Monday through Friday (except University holidays). Under special circumstances, it is possible to call to arrange for an after-hours appointment. For further information, contact the staff in SVC 2127, call 974-2291, or visit our webpage (http://usfweb.usf.edu/vetserve/).

Student Health Services
Location/phone: SHS is located east of the USF Bookstore and north of the Student Services Building, (813) 974-2331, FAX (813) 974-8391.
Address: 4202 East Fowler Avenue, SHS 100 Tampa FL 33620-6750
Internet: www.shsweb.usf.edu
Office Hours: Monday through Friday 8:30 a.m. to 5:00 p.m. (hours 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 SHS 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)
- 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 a reliable health insurance company to provide our students with an affordable student health insurance plan for sickness and accidental injury tailored to the particular needs of college students. The SIO is there to assist students in understanding the available health insurance plans and encourages all registered students who do not have health insurance to visit the office located just west of SHS in the lower level of the Bookstore building (next to textbook buyback).

Health Education Programs:
The Health Education functions as a resource for the university community regarding health and wellness issues and encourages responsible decision making and positive lifestyle choices. The Department is staffed by health educators, a registered and licensed dietitian, and other support personnel. A variety of information on health topics, as well as free blood pressure, height and weight readings are available. The following describes some other services provided. All are free and offered upon request, unless otherwise stated. For more information, call (813) 974-4936.

Individual Counseling
- HIV Antibody Testing – Confidential HIV Antibody testing is available to USF students for a fee. Referrals are made to local community agencies for anonymous testing.
- Nutrition Counseling – One-on-one nutrition counseling is available to USF students. Topics may include nutrition myths and facts, nutrition for wellness, disordered eating, weight management, cardiovascular nutrition, diabetes, dietary supplement facts, vegetarianism or other nutrition-related issues. Visits are free of charge.
- Individual consultations and referrals are available on other topics including STI’s (sexually transmitted infections), sexual responsibility, alcohol and other drugs, and body image.

Outreach Education
- Educational Programs – Staff members are available for educational outreach programs. Programs can be tailored to meet the special needs of a group or organization.
- Health Promotion Activities – Health Ed. Staff are frequently found around campus distributing information and materials.
- Awareness Campaigns – Throughout the year, the Health Ed Department develops and organizes various events, activities and materials in recognition of national awareness campaigns, including National Collegiate Alcohol Awareness Week, National Nutrition Month, National Eating Disorders Awareness Week, and Sexual Responsibility Week.

REACH Peer Education Program (Responsible Education and Action for Campus Health)
REACH Peer Educators are selected and trained to provide innovative, non-threatening educational programs and activities regarding sexual responsibility, STI’s, contraception, alcohol and other drug awareness and general college health issues to fellow students. Workshops are presented in residence halls, academic classes, and to university student organizations. Peer educators are also involved with various health promotion activities and awareness campaigns. Students can get involved with the program as staff members or volunteers.

Mandatory Medical Requirements for Registration
1) Medical History Form (required for all students, regardless of age)
“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, season, 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.

3) Requirements for Students Residing on Campus

Florida Statute 339, Section 1006.69

An individual enrolled in a post secondary educational institution who will be residing in on-campus housing shall provide documentation of vaccinations against meningococcal meningitis and hepatitis B unless the individual, 18 years of age or older or the individual’s parents, if the individual is a minor, declines the vaccination by signing a separate waiver for each of these vaccines, provided by the institution acknowledging receipt and review of the information provided.

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 USF students and is staffed by caring, informed professionals, graduate students, and resident assistants. The Office of Residence Services strives to provide students with intellectual and social experiences in a conveniently-located residence hall community and to 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 Magnolia Complexes. Each area provides a core of services for its residents including a central service desk, mail delivery, laundry facilities, snack facilities, and swimming pool. Although the complexes provide the same basic services, they represent distinctly different options in campus living.

In the Argos Complex, Beta and Castor Hall offer traditional student residential living. Beta is co-ed while Castor is an all-female hall. The traditional living arrangement in these halls provides 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. Also added to the Argos Area in Fall 2003 will be the Maple Suites. Maple will be a coed hall offering double occupancy suites.

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, Eta, Epsilon, Kappa and Zeta 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. Eta Hall is all female and double occupancy. Eta Hall houses a residential program for women with interests in Math, Science, and Engineering. Theta, Lambda, Mu and Iota Halls are co-ed and single occupancy. Theta is designated as the Leadership House, a program for students interested in leadership development. Each suite in Delta, Epsilon, Zeta, and Eta accommodates two students per room, four students per study area, and eight students per bathroom, which includes two sinks, two showers, and toilets. Each suite in Kappa accommodates two students per room, four students per study area, and eight students per bathroom, which includes two sinks, one shower, and two toilets. Each suite in Theta, Iota, Lambda, and Epsilon accommodates four students per room, four 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.

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 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 bedrooms, a bathroom, living/dining room and kitchen. Services include convenient parking, a playground, cable TV, computer connections, computer labs, telephone service, mail and a laundry facility. A Community Manager and Community Assistants will work with residents to respond to concerns, plan get-togethers and other programs and assist otherwise as needed.

All student housing is air-conditioned. All rooms are carpeted, and all rooms are furnished with a bed, desk, chair,
dresser and closet for each resident. All rooms provide basic telephone service, TV, and a view of a movie channel and ethernet access. 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) 974-7613  
**Office Hours:** Monday through Thursday 10 a.m. – 5 p.m., and Friday 10 a.m. – 5 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. You may also search the on-line apartment listings at www.reserv.usf.edu/offcampushousing.

**Phyllis P. Marshall Center**

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

The Phyllis P. Marshall Center, more so than any other campus facility, serves as a focal point of daily activity for students, faculty, staff, alumni, guests and visitors. Located at the heart of campus at the apex of Cedar Drive, it is the community center of the University, providing a multitude of services and programs. The Marshall Center seeks to add another dimension to the educational experience by providing an environment for informal association outside the classroom. The Marshall Center was designed with the extracurricular life of the student in mind, to provide a sense of central place and 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 300 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 and Einstein bagels on the first level. On top of the Palms 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, vending machines, SAFE Team and the USF Dining Services office. 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 Sessums’ Mall near Cooper Hall.

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

**Special Events Center**

**Location/phone:** CTR 246, (813) 974-5213  
**Box Office:** (813) 974-5144

The Special Events Center adds a distinctive dimension of entertainment to the USF Campus. With spacious stage and orchestra areas, auditorium-style seating, exceptional acoustics and high quality lighting equipment, this center is ideal for a wide variety of programs. The center, which accommodates 2,250, hosts concerts, cultural events, lecture series, musical and theatrical performances, as well as all types of special events, and is also available for private functions. The Special Events Center is connected to the Marshall Center by a Skyway over Cedar Drive.

**Student Government**

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

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

**Student Activities**

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

The Student Activities Office provides advising and activities for students to experience growth outside the classroom setting. This office is an outlet for students to learn emotionally, intellectually, and physically while participating within a group. Services are provided to more than 300 student organizations. Traditional USF activities such as Honors Week, Greek Week, and Student Organizations Showcase are coordinated through this office. The Student Organization Advisory Board (SOAB), an all-student committee, is made up of students representing the various organizations and serves as a resource to all organizations in regard to their programs, problems and general welfare. The Campus Activities Board (CAB) is a unique program organization. Made up entirely of students, CAB offers students the opportunity to participate in planning and
implementing a variety of programs for the University while developing valuable skills in marketing, budgeting, and program planning. Professional advisors are also available to counsel students on their programming needs.

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

**Clubs and Other Organizations**

The clubs, councils, and organizations formed by students represent a wide variety of interests. With over 300 student organizations, the Tampa campus of USF has groups organized for all types of activities.

New organizations are continually being formed. Professional staff members are available to assist individuals forming an organization, and to advise registered groups. For a current list of all organizations, or information on forming a group, contact the Office of Student Activities, located in Marshall Center, Room 259 or call (813) 974-7595.

For a detailed list of all the student organizations on campus visit the Student Organization Look-Up web site at www ctr.usf.edu and click on the Student Organization Look-Up link. From there you can browse through the more than 300 active student organizations on campus and their contact information. If an organization is on the list and is no longer active, they can always be started up again. An entirely new organization can be started as well; it’s really easy and it’s all up to you.

USF has more than 300 registered student organizations. These organizations fall within twelve different categories: Academic, Council, Cultural, Graduate, Greek, Honors, Political, Programming, Recreation, Religious, Service and Special Interest. Log on to www ctr.usf.edu and see the current list of organizations on campus.

**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.

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

The Outdoor Recreation Division offers students the opportunity to become involved in adventure trips (hiking, canoeing, camping, 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, primitive camping, and a disc golf 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 a wide range of student-organized groups. 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 participate in the development of standards of conduct supporting their interests in the purpose of the University. The University Judicial procedures are described in the student handbook.

**For Non-Academic Grievances:** In order to assure students the right to redress of grievances, the Office of Student Relations is responsible for a grievance procedure involving non-academic matters. Any student may file a question, complaint, or statement of grievance in the Office of Student Relations, in person or in writing. A course of action or other answer will be given by the 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. Women's competition includes basketball, softball, tennis, golf, cross country, indoor and outdoor track, sailing, soccer and volleyball.

USF became a charter member of Conference USA in 1995. The athletic facilities at USF are 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 provide 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 Raymond James Stadium, a state of the art stadium opened in 1998 and shared with the Tampa Bay Buccaneers. All USF students are offered free bus transportation from the Marshall Center to the stadium for all home games. Buses return to USF at the end of the game.

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 Bookstore is located on the Bayboro Campus.

USF Bookstore
Location/Phone: On Martin Luther King Plaza between the Marshall Center and the Student Services Building. Customer Service: (813) 974-5413, Toll-Free: (800) 873-8114
Usual Hours: Monday through Thursday from 8:00 a.m. - 7:00 p.m., Friday from 8:30 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; 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 & Cafe
Location/Phone: Medical Center (MDC 1050), (813) 974-4984
Usual Store Hours: Monday through Friday from 7:30 a.m. to 5:00 p.m.
Usual Cafe Hours: Monday through Friday from 7:30 a.m. to 2:00 p.m.

Store features medical textbooks and equipment, professional apparel, USF-imprinted clothing, greeting cards, balloons, gifts, candy, snacks, cold drinks 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 9:00 a.m. to 6:00 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, greeting cards, gifts, school supplies and a variety of general merchandise items.

USF Dining Services
Location Information: http://www.usfdiningservices.com
Due to the numerous renovations and planned dining locations, this information is subject to change. For the latest updates, please visit our website.

Sales Office (Marshall Center Lower Level Room 40) - Open a meal plan, start or add to a Declining Balance or ask questions. 813-974-4499 or 813-974-5922.

Unlimited Dining Facilities
Fresh Food Company (Argos Residential area) – Renovated in Summer 2003, this residential restaurant (reminiscent of a European marketplace) offers the ultimate dining experience! There is no kitchen – everything is made to your order, right before your eyes! Open daily for breakfast, lunch and dinner.

Andros Dining Center (Andros Residential area) – Offers unlimited servings of Home-style foods, Grill items, Pizza, salad, dessert and try out our late night breakfast buffet. Open daily for dinner and late night.

Retail Dining Facilities
Marshall Center
Tampa Room (first floor) – Renovated in Summer 2003, this food court offers the most updated dining options, including Chick-fil-A, for a quick bite to eat (other concepts not available at press time).


Freshens Ice Cream/Smoothies (first floor) – Open Summer 2003 – Campus favorite! Relax with a cold, ice cream piled high in a waffle cone, or grab a smoothie for a quick meal on the go!

On Top of the Palms (fourth floor) – Opened Spring 2003 – Sophisticated restaurant offering a generous view of the campus, buffet selections, display cooking and plated entrees.

Satellites
Subway (Cooper Hall) – National brand offering full service menu, including breakfast.
Express Shop @ Business Admin – featuring sushi, Java City expresso and drip coffee drinks and Montague’s Deli.
Express Shop @ the Library – featuring quick convenience store items, including Java City drip coffee and grab-n-go items.
Express Shop @ Engineering – featuring quick convenience store items, including Java City drip coffee and grab-n-go items.
Java City @ Health Sciences – Java City specialty coffee, including espresso, cappuccinos, iced coffees and more, Freshens Smoothies, grab-n-go sandwiches and more.
Ben & Jerry’s ‘C’ Convenience Store (Andros Residence area) – Opening Summer 2003 – Located adjacent to the Andros Dinning Center, Ben & Jerry’s Ice Cream Shop offers a great treat. Or grab some snacks or supplies at the convenience store.

USF I.D. Card
The USFCard is the official I.D. card of the University of South Florida. It provides electronic verification and validation for a variety of University services and functions. University policies require that all student, faculty and staff carry the USFCard while on campus. Students may be denied services if they do not have one. The USFCard may also be used to make purchases from on-campus copiers, snack and vending machines equipped with card readers. Value can be added to the vending machine at the Cash-to-Card machines located around campus and at most coin/card copiers in the Library. 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 an ECCI calling card. For additional information: http://www.auxsvc.usf.edu/
**INTERNATIONAL AFFAIRS**

**OFFICE OF THE DEAN**

*Location/Phone: CPR 455-478, (813) 974-4090*

*Email: iacops@iac.usf.edu*

*Web Site: [http://web.usf.edu/iac/](http://web.usf.edu/iac/)*

International Affairs provides leadership, advocacy, development, and support for all central and college-based international activities. International Affairs works in collaboration with the colleges and regional campuses to promote international education, research, outreach, and service programs. International Affairs 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. International Affairs 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.

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**Center for Africa and the Diaspora**

*Location/Phone: SVC 1087, (813) 974-4727*

*Email: ibl@ibl.usf.edu*

*Web Site: [http://web.usf.edu/ibl](http://web.usf.edu/ibl)*

The Center for Africa and the Diaspora is a joint venture between the Institute on Black Life and International Affairs. The Center works with IBL and International Affairs 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 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.

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**Latin American and Caribbean Studies Program**

*Location/Phone: CPR 474, (813) 974-3547*

*Email: lacs@iac.usf.edu*

*Web Site: [http://web.usf.edu/~lacs](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, a graduate certificate in Latin American and Caribbean Studies, and a Master of Arts (M.A.) Degree in Latin American, Caribbean and Latino Studies.

LACS provides advising and support services to students. 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 program fosters greater knowledge of Latin American, 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. 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. The office collaborates with more than 40 teaching faculty in several disciplines who are experts in Latin American, Caribbean and Latino studies. The staff consults with university administrators on issues related to the Latino community and Latino students.

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**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/](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:

1. *Semester or academic year program*
2. *Customized campus faculty-led group study abroad programs, ranging in duration from a 10-day short-term study tour to a 4-6 week summer “in-residence” program*
3. *Internships or special programs arranged by USF College or Department in cooperation with an institution overseas, or*
4. *Service learning programs.*

While some programs 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/](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. International students on a USF I-20, F-2 and J-2 visa holders, as well as permanent residents may enroll part-time in the ELI.

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 U.S. Bureau of Citizens and Immigration Services.

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 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 by the dean or an authorized representative of the student’s college. Students classified as Underdecidued must receive approval from the Center for Academic Advising. In the Fall or Spring Semester 12 hours is the minimum load for a student to be considered as full-time.

Full-time Undergraduate Student Definition - Summer Term
Sessions “A” & “B” (6 weeks)
For: Academic purposes 6 hours or more each session
For: Financial purposes must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B” and “C.”
Session “C” (10 weeks)
For: Academic purposes 9 hours or more
For: Financial purposes must enroll for 12 hours (undergraduate) in any combination of Sessions “A,” “B” and “C.”

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

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

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

Transfer of Credit To USF
USF will accept credits only from those institutions accredited by one of the accrediting agencies/commissions recognized by USF. However, USF reserves the right to deny credit for specific courses. The receipt and evaluation of total transfer credit are the responsibility of the Office of Admissions. The college of the student’s major will determine which courses are applicable to 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 Agreements (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 determine the acceptability of transfer 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 web or in person (regional campuses only). Appointment times and instructions for all registration periods are published in the Schedule of Classes for the appropriate semester.

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

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

Degree-seeking students who do not register prior to the first day of classes may late-register the first week of classes. A $100.00 late registration fee is charged during this week. (See the section on fees for additional information and the appropriate term’s Schedule of Classes for dates.) To avoid cancellation of registration, fees are due and payable for all registered courses of record on the 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 immunity to MEASLES (Rubella) and RUBELLA (German Measles). (See Immunization Policy.)

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

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

Orientation and Initial Advising

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

Declaration of Major

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

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

Advising for Limited Access Programs

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

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

Advising for Non-Limited Access Programs

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

Course Attendance at First Class Meeting

This policy has been put into effect so that USF may effectively utilize classroom space and to insure that all students have maximum opportunity to enroll in classes where demand exceeds availability of seats.

Students are required to attend the first class meeting of undergraduate courses for which they registered prior to the first day of the term. 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 of the course(s) will appear on any permanent academic record and full refund of fees is due for course(s) dropped within those periods.

A student may also drop a course(s) between the second and tenth week of the semester (except for Summer sessions - see the Summer Schedule of Classes for dates). Registration fees must be paid for the course(s) and the academic record will reflect a "W" grade for the dropped course(s). Courses dropped after the ninth week deadline (see Academic Calendar for date) will result in an automatic "F" grade.
Auditing Privileges and Fees
As a student who wishes to sit in on a class to review the course material, you 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, with 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 until the withdrawal is 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 reasons. See "Refund of Fees" under Financial Information for complete details.

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

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

Extenuating circumstances are those circumstances determined by the University to be exceptional and beyond the control of the student and may include but 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 include the request for a waiver of the repeat course surcharge. They must also submit a statement that explains their request and provide all documentation relating to it. The completed form with documentation should be submitted to the Office of the Registrar for consideration. If a student's request is denied, they may appeal the decision to the Office of the Dean of Undergraduate Studies.

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

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

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

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

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

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

Note: Transcript fees are subject to change.

College Level Academic Skills Test
The College Level Academic Skills Test (CLAST) is 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 the baccalaureate degree from October 1, 1992.
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 communication, 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-hour requirement by the student’s discretion. In order to receive credit for fulfillment of 6A-10.030, students must receive a grade of “C-” or higher in each course (no “S” grades).

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

Communication (12 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4510</td>
<td>Africa and the United States</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4335</td>
<td>Black Women in America</td>
<td>3</td>
</tr>
<tr>
<td>APS 2250</td>
<td>Culture and Society in Africa</td>
<td>3</td>
</tr>
<tr>
<td>APS 3153</td>
<td>African Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3510</td>
<td>U.S. Diplomatic History to 1898</td>
<td>4</td>
</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4303</td>
<td>Zora Neale Hurston: Major Works</td>
<td>3</td>
</tr>
<tr>
<td>AMS 3001</td>
<td>American Culture 1880-1915</td>
<td>4</td>
</tr>
<tr>
<td>AMS 3250</td>
<td>American Culture 1830-1860</td>
<td>4</td>
</tr>
<tr>
<td>AMS 3330</td>
<td>Southern Women: Myth and Reality</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4231</td>
<td>Folklore</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4241</td>
<td>Magic and Religion</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4432</td>
<td>The Individual and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4620</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4750</td>
<td>Language and Social Interaction</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4935</td>
<td>Rethinking Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 4784</td>
<td>The City</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4710</td>
<td>History of Photography</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4721C</td>
<td>History of Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4792</td>
<td>Critical Studies In Art History</td>
<td>4</td>
</tr>
<tr>
<td>CCJ 4934</td>
<td>Seminar in Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CES 4000</td>
<td>Structures and The Urban Environment for Non-Engineers</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4070</td>
<td>Historical Perspectives in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4250</td>
<td>Ethical Issues And Professional Conduct</td>
<td>3</td>
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<tr>
<td>CLT 3101</td>
<td>Greek Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>CLT 3102</td>
<td>Roman Literature in Translation</td>
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<tr>
<td>COMM 4020</td>
<td>Communicating Illness, Grief, and Loss</td>
<td>3</td>
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<tr>
<td>COM 4030</td>
<td>Women and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4710</td>
<td>Writing Lives</td>
<td>3</td>
</tr>
<tr>
<td>CRW 2100</td>
<td>Narration and Description</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3111</td>
<td>Form and Technique of Fiction</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3112</td>
<td>Fiction I</td>
<td>3</td>
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<tr>
<td>CRW 3121</td>
<td>Fiction II</td>
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<tr>
<td>DAN 2100</td>
<td>Introduction To Dance</td>
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<tr>
<td>DAN 4134</td>
<td>Dance History Though the 19th Century</td>
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<tr>
<td>EDF 3228</td>
<td>Human Behavior and Environmental Selection</td>
<td>3</td>
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<tr>
<td>EEC 4008</td>
<td>Literature in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4742</td>
<td>Narrative Perspectives on Exceptionality: Cultural and Ethical Issues</td>
<td>3</td>
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<tr>
<td>EIN 4313C</td>
<td>Human Factors</td>
<td>3</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1121</td>
<td>Composition I: Honors</td>
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</tr>
<tr>
<td>ENC 1122</td>
<td>Composition II: Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENC 2210</td>
<td>Technical Writing</td>
<td>3</td>
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<tr>
<td>ENC 3211</td>
<td>Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3213</td>
<td>Professional Writing</td>
<td>3</td>
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<tr>
<td>ENC 3310</td>
<td>Expository Writing</td>
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<tr>
<td>EVT 4651</td>
<td>Equity in Schools and the Workplace</td>
<td>3</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>
<td>3</td>
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<tr>
<td>GEA 3405</td>
<td>Geography of Latin America</td>
<td>4</td>
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<tr>
<td>GEA 3500</td>
<td>Geography of Europe</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4372</td>
<td>Global Conservation</td>
<td>4</td>
</tr>
<tr>
<td>GEY 3625</td>
<td>Sociocultural Aspects of Aging</td>
<td>3</td>
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<tr>
<td>HIS 4936</td>
<td>Pro-Seminar in History</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4931</td>
<td>Seminar in Humanities</td>
<td>4</td>
</tr>
</tbody>
</table>
ACADEMIC POLICIES AND PROCEDURES

UNIVERSITY OF SOUTH FLORIDA - 2003/2004 UNDERGRADUATE CATALOG

IDS 3115  Values and Choices  3
IDS 3663  Critical Issues Affecting the Arts  3
IDS 3668  Images of Contemporary Urban Culture  3
LAE 4414  Teaching Literature in the Elementary School, Grades K-6  3
LAE 4416  Teaching Literature and Writing in the Elementary Grades  3
LAE 4464  Adolescent Literature for Middle and Secondary Students  3
LIN 3801  Language and Meaning  3
LIT 2000  Introduction to Literature  3
LIT 2010  Introduction to Fiction  3
LIT 2030  Introduction to Poetry  3
LIT 2040  Introduction to Drama  3
LIT 3101  Literature of the Western World Through the Renaissance  3
LIT 3102  Literature of the Western World Since the Renaissance  3
LIT 3103  Great Literature of the World  3
LIT 3144  Modern European Novel  3
LIT 3155  Modern Literature  3
LIT 3301  Cultural Studies and the Popular Arts  3
LIT 3383  The Image of Women in Literature  3
LIT 3451  Literature and the Occult  3
LIT 4386  British and American Literature by Women  3
MUL 2111  Introduction To Music Literature  3
NUR 6121  Theoretical Basis Of Advanced Practice Nursing  3
NUR 6135  Ethical, Legal, and Policy Issues in Advanced Nursing Practice  3
NUR 4194  An Interdisciplinary Perspective in HIV Disease  3
PHH 2000  Introduction to Philosophy  3
PHH 4600  Contemporary Philosophy  3
PHH 4700  American Philosophy  3
PHI 1401  Critical Reasoning in Science and Society  3
PHI 3700  Philosophy of Religion  3
PHI 4300  Theory of Knowledge  3
PHI 4320  Philosophy of Mind  3
PHI 4800  Aesthetics  3
PHM 3100  Social Philosophy  3
PHM 4331  Modern Political Philosophy  3
PHM 4340  Contemporary Political Philosophy  3
PHP 3786  Existentialism  3
PHP 4000  Plato  3
PHP 4010  Aristotle  3
PHP 4740  The Rationalists  3
PHP 4745  The Empiricists  3
PHP 4784  Analytical Philosophy  3
PHP 4788  Philosophy of Marxism  3
PHY 4031  Great Themes in Physics  3
POS 4413  The American Presidency  3
POS 4694  Women and Law II  3
POT 4109  Politics and Literature  3
PUP 4323  Women and Politics  3
REL 2300  Introduction to World Religions  4
REL 3111  The Religious Quest in Contemporary Films  4
REL 3114  Comedy, Tragedy, and Religion  3
REL 3145  Women and Religion  3
REL 3170  Religion, Ethics and Society Through Film  4
REL 3382  Introduction to Islam  3
REL 3387  Islam in the Modern World  3
REL 3465  Religion and the Meaning of Life  3
REL 3501  History of Christianity  4
REL 3561  Roman Catholicism  3
REL 3600  Introduction to Judaism  3
REL 3602  Classics of Judaism  3
REL 3613  Modern Judaism  3
REL 4171  Contemporary Christian Ethics  4
REL 4177  Comparative Religious Ethics  4
REL 4215  Ancient Israel and the Development of the Hebrew Bible  3
REL 4218  Women and the Bible  3
REL 4221  Who Wrote the Bible (Genesis-Kings)  4
REL 4670  Judaism and Christianity After the Holocaust  4
RUS 3500  Russian Civilization  3
RUT 3110  Russian Classics in English  3
RUT 3111  Twentieth-Century Russian Literature in English  3
SCE 4236  Science, Technology, Society Interaction  4
SPC 3425  Group Communication  3
SPC 4305  Communicating Emotions  3
SPC 4632  Rhetoric and Social Change  3
SYA 3310  Qualitative Inquiry  4
SYP 4420  Consumer Culture  3
THE 4180  Theatre Origins  3
THE 4320  Theatre Of Myth And Ritual/Northern European (950-1600) & Oriental (400-1200) 3
THE 4330  Shakespeare For The Theatre  3
THE 4360  The 19th Century Theatre Revolution  3
THE 4401  O’Neill And After  3
THE 4415  Caribbean Theatre  3
THE 4435  Theatre Of Pluralism  3
THE 4442  Comedy Of The Classic And Neo-Classic Stage  3
THE 4562  Contemporary Performance Theory  3
WST 3210  European Feminist History: Pre-18th Century  3
WST 4262  Literature by American Women of Color  3
WST 4310  Feminism in America  3
WST 4410  Third World Women Writers  3

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

Computation (6 semester hours)

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

Course Number and Title  Semester Hours
CGS 2060  Introduction to Computers and Programming in Basic (3)
PHI 2101  Introduction to Formal Logic (3)
QMB 2100  Business and Economics Statistics I (3)
STA 2023  Introduction to Statistics (4)
STA 2122  Social Sciences Statistics (3)

Note that CGS 2060 will not satisfy the USF General Education Quantitative Methods requirement.
CLEP general/subject examinations in mathematics, calculus, college algebra, college algebra-trigonometry, and trigonometry may satisfy this requirement.

Grades, Scholarship Requirements, and Review Procedures

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

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

**Grading System**

Effective Fall Semester, 2000, USF faculty may use a plus/-minus grading system to assign student grades. The use of the plus/-minus grading system is at the discretion of the individual faculty member.

A student's measure of academic achievement is recorded on the academic record based on the following grading system:

### Plus/minus Grades

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

### Other Grades

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

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

**Grade Point Average**

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

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

### "I" Grade Policy

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

### "M" Grade Policy

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

### S/U Grade System

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

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

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

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

1. A written agreement signed by both instructor and student shall be filed with such offices as may be designated by the
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. 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, title, or 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 an “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 rules related to Final Academic Probation and Academic Dismissal applying. Academic advising prior to registration is mandatory until the student is removed from probationary status.

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

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

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

If a student who has accumulated fewer than 60 semester hours is academically dismissed from USF or fails 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 fails 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 fails 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 has developed 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 counted in the determination of the grade point averages (GPAs) for graduation purposes. Their entire academic record, however, will continue to be reflected on their transcripts even though a selected portion will not be counted in their GPAs.

Academic Renewal I – Students with fewer than 60 credit attempts who were academically dismissed or on 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, may be admitted to the University with Academic Renewal after completing all requirements for the Associate in Arts degree or equivalent (including general education, Gordon Rule and CLAST requirements) at a two- or four-year college. Academic Renewal I students will enter USF as juniors and their USF grade point average will be calculated from that point forward. Such students will be required to earn 60 credits from USF, with a grade point average of at least 2.00 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 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 decisions of the Academic Regulations 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 policy will not be allowed to use 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 I 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 dismissed. The college dean is responsible for implementing standards of academic progress and for notifying students of their probationary or disenrollment status.

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

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

Class Standing

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

- 0C Unclassified Non-degree-seeking students
- 1F Freshman 0 through 29 semester hours passed
- 2S Sophomore 30 through 59 semester hours passed
- 3J Junior 60 through 89 semester hours passed
- 4R Senior 90 or more semester hours passed; however, no baccalaureate degree earned here or elsewhere
- 5B Baccalaureate degree-holder working on a second undergraduate program or degree
- 6M Graduate student admitted to Master’s Degree Program
- 6A Graduate student admitted to Specialist Degree Program
- 6C Admitted to Candidacy
- 6D Graduate student admitted to a Doctoral Degree Program
- 7A-7D 1st-4th year professional program (M.D.) or post-doctoral status

Admission to a College

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

Change of Major

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

Administrative Holds

A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier’s Office. Each student placed on administrative hold should determine from the Office of the Registrar whether the status will be changed.

Student Information Changes

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

Final Examinations

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

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

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

Comprehensive Final Examinations: The last 6 days of the Fall and Spring semesters shall be set aside for final examinations, and any comprehensive final examination must be given during this designated period. If a segment examination is given in lieu of a comprehensive examination, the segment examination must be given in the period designated during final examination week. The period of two hours shall be allotted for each final examination. If a student has a direct conflict of scheduled 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 placed as the Schedule of Classes.

Provost’s List

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

Dean’s List

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

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

Academic Regulations Committee

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

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

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

Student Academic Grievance Procedures

I. Purpose - The purpose of these procedures is to provide all undergraduate and graduate students taking courses within the University of South Florida (exclusive of the College of Medicine which maintains its own procedures) an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. Such review will be accomplished in a collegial, non-judicial atmosphere rather than an adversarial one, and shall allow the parties involved to participate. All parties will be expected to act in a professional and civil manner.

The procedures which follow are designed to ensure objective and fair treatment of both students and instructors.

In the case of grade appeals, the University reserves the right to change a student’s grade if it is determined that the conclusion of the grievance process that the grade given was “capricious and arbitrary.” In such circumstances the Dean or Provost/Vice President for Academic Affairs or the Vice President for Health Sciences Center may file an administrative grade change. “Capricious and arbitrary” means the assigned grade 1) was based on something other than performance in the course; 2) was based on more exacting or demanding standards than were applied to other students in that course; 3) was the result of substantial departure from the instructor’s previously announced standards; or 4) was based upon an illegal or unconstitutional act.

In the case of all other academic grievances the University reserves the right to determine the final outcome based on the procedures detailed herein.

II. Definitions - The term “academic grievance” shall be considered to mean any student complaint regarding instruction, grading or academic advising activity that adversely affects the student’s record, academic performance or participation in courses or academic programs.

The term “instructor” shall be considered to mean any classroom instructor, thesis/dissertation/directed study supervisor, committee member, student advisor, or counselor/advisor that interacts with the student in an academic environment.

III. Resolution at the Department Level - [Note: All time limits in these procedures reflect “academic time,” that is, exclusive of breaks and holidays, and may be extended if agreed to in writing by all parties.]

A. The student shall first make a reasonable effort to resolve his or her grievance with the instructor concerned within four (4) weeks of the incident precipitating the grievance, unless the instructor is unavailable in which case the department Chairperson/Director or the Dean/CEO may extend the deadline (must be in writing to the student).

B. If the situation cannot be satisfactorily resolved, the student shall file or the instructor may file, in writing, a concise statement of particulars with the department Chairperson/Director within two (2) weeks of failure to resolve the incident with the instructor. A copy of this shall also be submitted to the instructor and to the Dean (or designee) of the parent college. (NOTE: If attempted resolution with the instructor fails, resolution may be initiated at the College level in those units without departments.)

C. The department Chairperson/Director shall discuss the statement with the student and the instructor to see if the grievance can be resolved satisfactorily to all concerned. If the grievance can be resolved, the Chairperson/Director shall provide a statement to that effect to the student and the instructor with a copy to the Dean (or designee).

D. If a grievance occurs resulting from an event on a campus other than Tampa, the student should follow the approved policy of that campus. In the absence of an approved policy on that campus, the student should follow the procedures described as follows substituting the Campus CEO for the college dean or the student may bypass resolution at the department level and initiate the grievance at the level of the Campus CEO. Once the student makes this choice the other option is precluded. It shall be the responsibility of the department Chairperson to keep the Campus CEO (or
The Committee will operate in the following manner:

1. The Committee Chairperson/Director shall be a faculty member as selected in accordance with the college's faculty governance document, if such provision is made for appeals at the University level. The Dean (or designee) to the Provost only if one or both of the following occur:
   - The decision of the Dean (or designee) is contrary to the recommendation of the committee.
   - The party appealing establishes prima-facie evidence of a procedural violation.

   An appeal filed by either a student or an instructor shall specify in detail the basis for the appeal and shall attach copies of all previous considerations and actions. The appeals file will be submitted to the Undergraduate/Graduate Dean (or designee) as appropriate with copies provided (without attachments) to the other party involved, the department Chairperson/Director, and the College Dean (or designee).

   Upon a receipt of an appeal from a student or instructor, the Undergraduate/Graduate Dean (or designee) shall first review the file and determine if the appeal meets the standard(s) specified for appeals at the University level. The Dean (or designee) shall make this decision within one (1) week of receipt of an appeal. If the Dean (or designee) finds that the appeal does not meet the standard(s) specified for appeals, the process ceases and the previous finding of the College Dean (or designee) shall stand. If the Dean (or designee) finds that the standard(s) is met, the appeal process continues. The Dean’s (or designee’s) finding in this regard is final. The Dean (or designee) shall then notify all parties of the decision to proceed or not proceed with the appeal.

   Once the appeal has been certified to proceed, the following process will take place:

   A. Within one (1) week of notifying all parties that the appeal is to proceed, the Dean (or designee), in consultation with the Faculty Senate and the Student Senate, shall establish an Appeals Committee consisting of three faculty members drawn from the University Undergraduate Council or Graduate Council, as appropriate and two students, undergraduate or graduate, as appropriate.

   B. The functions, and operating procedures of the Appeals Committee will be the same as those of the College Committee (i.e., chaired by a non-voting faculty member, no representation from either party’s respective departments, determination of a recommendation to the Dean (or designee), etc).

   C. Within four (4) weeks of the establishment of the Appeals Committee the Chairperson of the Committee shall deliver in writing to the Dean (or designee) a report of the findings and a recommended resolution. This report shall be provided within four (4) weeks of the Committee’s appointment. After review, the Dean (or designee) may consult with the Chairperson of the Grievance Committee for clarification on any aspect of the grievance.

   H. The decision of the Dean (or designee) shall be provided in writing to the student, the instructor and the Chairperson/Director of the Department/Program with responsibility for instruction, with copies to the members of the Committee, within two (2) weeks of receipt of the Committee’s report. The Dean’s (or designee’s) finding in this regard is final. The Dean (or designee) to the Provost only if one or both of the following occur:
   - The decision of the Dean (or designee) is contrary to the recommendation of the committee.
   - The party appealing establishes prima-facie evidence of a procedural violation.

   J. The party appealing the decision must file an appeal within two (2) weeks of receipt of the decision of the Dean (or designee).

   V. Resolution at the University Level - The Provost/Vice President for Academic Affairs of the Vice President for the Health Sciences Center has delegated authority to the Dean of the Undergraduate Studies to act in place of the Provost/Vice President in all academic grievance appeals involving undergraduate students and the Dean of Graduate Studies to act in place of the Provost/Vice President in all academic grievance appeals involving graduate students.

   An appeal filed by either a student or an instructor shall specify in detail the basis for the appeal and shall attach copies of all previous considerations and actions. The appeals file will be submitted to the Undergraduate/Graduate Dean (or designee) as appropriate with copies provided (without attachments) to the other party involved, the department Chairperson/Director, and the College Dean (or designee).

   Upon a receipt of an appeal from a student or instructor, the Undergraduate/Graduate Dean (or designee) shall first review the file and determine if the appeal meets the standard(s) specified for appeals at the University level. The Dean (or designee) shall make this decision within one (1) week of receipt of an appeal. If the Dean (or designee) finds that the appeal does not meet the standard(s) specified for appeals, the process ceases and the previous finding of the College Dean (or designee) shall stand. If the Dean (or designee) finds that the standard(s) is met, the appeal process continues. The Dean’s (or designee’s) finding in this regard is final. The Dean (or designee) shall then notify all parties of the decision to proceed or not proceed with the appeal.

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   B. The functions, and operating procedures of the Appeals Committee will be the same as those of the College Committee (i.e., chaired by a non-voting faculty member, no representation from either party’s respective departments, determination of a recommendation to the Dean (or designee), etc).

   C. Within four (4) weeks of the establishment of the Appeals Committee the Chairperson of the Committee shall deliver in writing to the Dean (or designee) a report of the findings and a recommended resolution. After review, the Dean (or designee) may consult with the Chairperson of the Grievance Committee for clarification on any aspect of the grievance.
D. The Dean's (or designee's) final decision shall be provided in writing to both parties plus the College Dean (or designee) and the Department Chairperson/Director within two (2) weeks of receipt of the Committee's report, with copies to the Committee members.

E. In the case of a grade appeal, if the Dean's (or designee's) decision is that a grade change is merited, the Dean (or designee) shall initiate the grade change on the authority of the Provost and so inform all parties.

F. In all academic grievance appeals, the Undergraduate/Graduate Dean's (or designee's) decision is final and not subject to further appeal within the University.

These procedures shall take effect commencing Fall Semester, 2003 and shall supercede all other academic grievance procedures currently in effect, with the exception of the procedures of the College of Medicine.

Academic Dishonesty

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

1. Examples of proper citation (footnote format) are as follows [Footnoting/citation styles will depend upon those used by different academic disciplines. Many disciplines in the Natural Science areas, for example, will cite the sources within the body of the text.]


2. Examples of proper citation (in body of text):

a. Shaw (1972) states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing; complete information about source will be cited in a section at the close of the text.]

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

c. Plagiarism.org suggests that a searchable database of papers might assure what Shaw called a "kidnapping" of intellectual content. [Paraphrasing 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 are not cited and appropriate quotation marks are not used:

a. Plagiarism, from a Latin word meaning "kidnapping," ranges from inept paraphrasing to outright theft.

b. Plagiarism comes from a Latin word meaning "kidnapping" and ranges from paraphrasing to theft.

c. Plagiarism ranges from inept paraphrasing to outright theft.

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

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

Punishment Guidelines for Disruption of Academic Process
Punishments for disruption of academic process will depend on the seriousness of the disruption and will range from a private verbal reprimand to dismissal from class with a final grade of “W,” if the student is passing the course, shown on the student record. If the student is not passing, a grade of “F” will be shown on the student record. Particularly serious instances of disruption or the academic process may result in suspension or permanent expulsion from the University.

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

Liberal Arts Requirements
All new USF students and Former Students Returning are required to take 45 semester hours to satisfy the complete liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 9 semester hours will satisfy the exit requirements. Students seeking second baccalaureate degrees (those coded as 5B) are exempt from the 9 semester hour exit requirements. The requirements are distributed as follows:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Semester Hours</th>
</tr>
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<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>

**General Education Requirements**

**Exit Requirements**

- Major Works and Major Issues 6
- Literature and Writing 3

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

LIBERAL ARTS GENERAL EDUCATION COURSE REQUIREMENTS

**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 part of the English Composition requirement, but they will still need to complete ENC 1102 or its equivalent. 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.

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

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

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

Fine Arts: Students are required to successfully complete
a minimum of three (3) semester hours of approved coursework
in the fine arts. Courses in the fine arts shall involve those
disciplines considered to be fine arts in that they deal theoretically
and experientially with the aesthetic dimensions of indi-
viduals and groups. Courses will concern the creative experi-
tience 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 Per-
spectives (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 intellec-
tual 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)

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QUANTITATIVE METHODS (6 hours minimum)

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<td>Precalculus Algebra and Trigonometry - 6A</td>
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<td>MAC 2223</td>
<td>Business Calculus - 6A</td>
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<td>MAC 2241</td>
<td>Life Sciences Calculus I - 6A</td>
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<td>MAC 2281</td>
<td>Engineering Calculus I - 6A</td>
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<td>Astronomy of the Solar System</td>
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<td>Stellar Astronomy and Cosmology</td>
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<td>Contemporary Thinking in Astronomy</td>
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<td>Principles Of Human Pharmacology</td>
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<td>Principles of Biology For Non-Majors</td>
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<td>BSC 2205</td>
<td>Food: Personal and Global Perspectives</td>
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<td>Save The Planet: Environmental Sciences</td>
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<td>Dynamic Earth: Introduction to Physical Geography</td>
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<td>GYE 2030</td>
<td>Hazards of the Earth’s Surface: Environmental Geology</td>
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<td>Origins: From the Big Bang to the Ice Age</td>
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<td>Science, Earth and Life</td>
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<td>History of the Earth and Life</td>
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SOCIAL SCIENCES (6 hours minimum)

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<td>AFS 3251</td>
<td>Environmental - Cultural Study in Africa</td>
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<td>AMS 2030</td>
<td>Introduction to American Studies</td>
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<td>Racism in America Society</td>
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<td>Regions of America</td>
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**HISTORICAL PERSPECTIVES (6 hours minimum)**

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FINE ARTS (3 hours minimum)

ART 2203C Fabrications II (3)

DAN 2100 Introduction To Dance -6A (3)

EGN 2080 Light and the Arts: A Quantitative Approach (3)

FIL 2001 Film: The Language Of Vision -6A (4)

FIL 3510 World Cinema -6A (4)

HUM 1020 The Arts (3)

IDS 3662 Arts Connections (3)

MUH 2051 Folk And Traditional Music of World Cultures (3)

MUH 2632 Music In The United States (3)

MUH 3016 Survey Of Jazz (3)

MUL 2111 Introduction To Music Literature -6A (3)

MUL 3071 Issues In Music (2-3)

MUL 3012 Music in Your Life (3)

THE 2090 Languages of the Stage (3)

ALAMERICAN PERSPECTIVES (3 hours minimum)

AF 2000 Introduction to the Black Experience (3)

AF 4150 Africa and the United States -6A (3)

AF 4400 Middle Passage (3)

AFH 3100 African History to 1850 (3)

AFH 3200 African History since 1850 (3)

AFS 2250 Culture and Society in Africa -6A (3)

AFS 3251 Environmental - Cultural Study in Africa (3)

ANT 2010 Introduction to Anthropology (3)

ANT 4210 Cultural Anthropology (3)

ANT 3005 The Anthropological Perspective (3)

ASH 3404 Modern China (4)

ASN 3014 China Today (3)

ASN 3030 The Middle East (3)

CPO 4530 Politics of the Developing Areas (3)

CPO 4204 Government and Politics of Africa (3)

EUS 3022 Russia (3)

FRE 4392 African Images in Francophone Film (3)

GEO 2000 World Regional Geography (4)

GEY 3625 Sociocultural Aspects of Aging -6A (3)

HUM 3271 Eastern and Western Culture from Antiquity to 1400 (3)

HUM 3273 Eastern and Western Culture Since 1400 (3)

INR 1015 World Perspective (3)

INR 3084 International Terrorism (3)

INR 4250 Political Economy of the Southern Nations (3)

INR 4502 International Organizations (3)

LAH 2370 Latin American Civilization (3)

LAH 2734 Latin American History in Film (3)

LAS 3116 Latin America Through Film (3)

MUH 3051 Folk And Traditional Music Of World Cultures (3)

MUL 3001 Issues In Music (2-3)

REL 3330 The Religions of India (3)

REL 3362 Introduction to Islam -6A (3)

REL 3367 Islam in the Modern World -6A (3)

REL 3600 Introduction to Judaism -6A (3)

REL 4215 Ancient Israel and the Development of the Hebrew Bible -6A (3)

REL 4218 Women and the Bible -6A (3)

SPT 2524 Women Writers of Latin America (3)

SYD 3441 Peasant Perspectives (3)

WST 3015 Introduction to Women's Studies (3)

LIBERAL ARTS EXIT REQUIREMENTS FOR UNDERGRADUATES IN ALL DISCIPLINES

A student’s liberal arts education will continue throughout the college years and not be limited to a relatively small number of required courses in the first two years of college. Exit requirements will provide students with an opportunity during their junior and senior years at USF to integrate their knowledge within the context of liberal arts. Courses that satisfy the exit requirements will, where appropriate, incorporate considerations of values and ethics; international and environmental perspectives; race and ethnicity; and gender. By their junior and senior years, students will have a foundation in liberal arts and be better able to reflect upon ethical issues in a constructive way. Students graduating from the College of Education or the College of Engineering may be required to complete only six hours (two exit courses) and should consult with their advisors regarding exceptions to this requirement. Students seeking second baccalaureate degrees (those coded as 5B) are exempt from the liberal arts exit requirements.

Students will take at least one of the Liberal Arts Exit courses outside their disciplinary cluster(s). For purposes of this policy, the term “discipline” refers to the following fields: business, education, engineering, fine arts, health sciences, letters, natural sciences, and social sciences. (See list below of “Outside the Disciplinary Cluster” Liberal Arts Exit Courses). One of the Major Works and Major Issues courses, if taken outside the student’s major disciplinary cluster(s), may be taken for S/U credit with the consent of the instructor. Only courses numbered 3000 or above may be used to satisfy the exit requirements. Exit requirements must be taken at USF. Exit requirement courses will be seminar-size courses in which enrollment will be targeted at approximately 20 to 25 students. These courses will be taught by regular faculty.

Students majoring in the College of Education are permitted to graduate with only six credits of Liberal Arts Exit courses, all of which may be taken in the College. The distribution of those six credits varies by major. Students majoring in the College of Engineering are permitted to graduate with only six credits of Liberal Arts Exit courses, and may meet the Literature/Writing requirement by completing ENC 3211. Students graduating from the College of Nursing are permitted to graduate with six credits of Liberal Arts Exit courses, both of which may be Major Works/Issues courses within the College.

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

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

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

All students must achieve an overall average of “C” (2.0GPA) in the lower level requirements and a grade of “C” or better in each of the exit requirement courses. Although post-secondary foreign language courses may not be required for all graduates, students are encouraged to become competent in at least one foreign language. Foreign language study enriches the command of English, enlarges
cultural perspective, and enhances learning skills. All courses listed are certified as meeting the Exit requirement as of April, 1999. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

LIBERAL ARTS EXIT REQUIREMENT COURSES

MAJOR WORKS AND MAJOR ISSUES

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**LITERATURE AND WRITING**

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"Outside the Disciplinary Cluster" Liberal Arts Exit Courses

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

**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
- Languages
- Liberal Studies
- Italian
- Communication
- Mass Communications
- English
- Philosophy
- French
- Religious Studies
- German
- Spanish
- Russian

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

- Biology
- Interdisciplinary Natural Sciences
- Chemistry
- Mathematics
- Environmental Science
- Medical Technology
- Geology
- Microbiology
- Physics
Disciplinary Cluster 3: Social Sciences - Students with majors in these programs must take at least one certified Liberal Arts Exit course in Clusters 1-3 or 4-8.

- Africana Studies
- Anthropology
- Communication Sciences and Disorders
- Criminal Justice
- Economics
- (Social Sciences)
- Geography
- Gerontology

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
- Economics (Business)
- Finance
- General Business
- Administration

Disciplinary Cluster 5: Engineering

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering

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
- Art History
- Dance

Disciplinary Cluster 7: Education

- Behavior Disorders
- Business and Office Education
- Distributive Education
- Early Childhood Education
- Elementary Education
- English Education
- Foreign Languages
- 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 been certified to take the test or (b) who have failed the test should attempt CLEP during their first (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 should inquire about credit-by-examination. Some exams are offered through the College Level Examination Program (CLEP) and others may be offered within departments. Interested students should obtain additional information from their advisors or the Office of Evaluation and Testing.

Graduation Requirements

Baccalaureate Degree

University Requirements

University minimum requirements for graduation consist of the following: earn a minimum of 120 semester hours with an overall 2.00 GPA, including a 2.00 GPA in all courses attempted at USF; a transfer student must have a GPA of 2.0 or higher when combined with all work attempted at other institutions; satisfactorily complete CLAST and the writing and computation course requirements of 6A-10.030; 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 by attending one of the universities in the State University System: University of South Florida, Tampa; Florida Agricultural and Mechanical University, Tallahassee; Florida Atlantic University, Boca Raton; Florida Gulf Coast University, Fort Myers; Florida International University, Miami; Florida State University, Tallahassee; University of Central Florida, Orlando; University of Florida, Gainesville; University of North Florida, Jacksonville; and University of West Florida, Pensacola.

Foreign Language

Graduation Requirement for B.A. Students

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

**Classical Languages**
- Greek (Ancient)
- Hebrew (Classical)
- Greek (New Testament)
- Latin

**Modern Languages**
- Arabic
- Chinese
- French
- German
- Hungarian
- Indonesian
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Spanish
- Russian
- Swedish
- Turkish
- 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, Communication Sciences and Disorders, Criminology, Gerontology, History, Mass Communications, Political Science, Religious Studies, Theatre, Women's Studies, and all programs in the College of Education

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

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

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

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

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

**Academic Major**
USF offers curricula leading to the baccalaureate degree in the following fields. The degree is indicated in parentheses after each major code. For clarification, the following terms are defined:
- Specialization: Those courses required to give the student academic concentration and baccalaureate identification such as Mathematics, Accounting, Psychology, etc.
- Supporting or Related: These courses may be prerequisites to the specialization courses, or they may support specialized courses by giving preparation or breadth to the area of specialization. These courses are often referred to as college or program core courses.

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

**College of Arts and Sciences**
- Africana Studies (AFA) (B.A.)
- American Studies (AMS) (B.A.)
- Anthropology (ANT) (B.A.)
- Biology (BIO) (B.S.)
- Cell and Molecular (CAM) (B.S.)
- Ecology (ECL) (B.S.)
- Marine (MRN) (B.S.)
- Physiology (PGY) (B.S.)
- Chemistry (CHM) (B.A.)
- Biochemistry/Biotechnology (CBY) (B.A.)
- Environmental (CHV) (B.A.)
- Health Professions (CHH) (B.A.)
- Chemistry (CHS) (B.S.)
- Environmental (EVG) (B.A.)
- Classics (Classical Languages) (CLS) (B.A.)
- Communication (SPE) (B.A.)
- English (ENS) (B.A.)
- Interpersonal & Organizational (SIO) (B.A.)
- Performance (SPM) (B.A.)
- Public & Cultural (SPL) (B.A.)
- Theater (STA) (B.A.)
- Communication Sciences and Disorders (CSD) (B.A.)
- Deaf Studies (DIST) (B.A.)
- Interpreter Training (ITT) (B.A.)
- Speech/Language/Hearing Science (LSH) (B.A.)
- Criminology (CGJ) (B.A.)
- Community Corrections (COC) (B.A.)
- Urban Law Enforcement (ULE) (B.A.)
- Juvenile Justice (JVR) (B.A.)
- Economics (ECO) (B.A.)
- English (ENG) (B.A.)
- Literature (LIT) (B.A.)
- Creative Writing (CRW) (B.A.)
- Professional-Technical Writing (CWT) (B.A.)
- Environmental Science and Policy (ESP) (B.S.)
- French (FRE) (B.A.)
- International Studies and Business (ISB) (B.A.)
- Geography (GPY) (B.A.)
- Environmental (EVG) (B.A.)
- Urban and Social (USG) (B.A.)
- Geology (GLY) (B.A.)
- Geology (GLS) (B.S.)
- Environmental (GLE) (B.S.)
- German (GER) (B.A.)
- Gerontology (GEY) (B.A.)
- Gerontology (GES) (B.S.)
- History (HTY) (B.A.)
- Humanities (HUM) (B.A.)
- Interdisciplinary Classical Civilizations (ICC) (B.A.)
- Interdisciplinary Natural Sciences (INS) (B.A.)
- Health Professions (HNV) (B.S.)
- Interdisciplinary Social Sciences (ISS) (B.A.)
- Urban Studies (ISU) (B.A.)
- Interdisciplinary Studies (BIS) (B.I.S.)
- International Studies (INT) (B.A.)
- Italian (ITA) (B.A.)
- Liberal Studies (ALA) (B.A.)
- Mass Communications (COM) (B.A.)
- Advertising (ADV) (B.A.)
- Broadcast News (NWS) (B.A.)
- Broadcast - Program & Production (PGM) (B.A.)
- Journalism - Magazine (MAG) (B.A.)
- Journalism - News Editorial (JOU) (B.A.)
- Journalism - Visual Communications (VIC) (B.A.)
- Public Relations (PUR) (B.A.)
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:

**Arts and Sciences:**
- African & African Diaspora Studies
- African Studies
- African-American 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
- Greek
- History
- Humanities
- Interdisciplinary Classical Civilizations
- International Studies
- Italian
- Latin
- Linguistics
- Manual Communications
- Mass Communications
- Mathematics
- Modern Greek
- Philosophy
- Physics
- Political Science
- Psychology
- Public Administration
- Religious Studies
- Russian
- Sociology
- Spanish
- Women’s Studies

**Business Administration:**
- Accounting
- Business Economics
- Finance
- General Business Administration
- International Business
- Management
- Management Information Systems
- Marketing

**Louis de la Parte Florida Mental Health Institute Behavioral Healthcare**

**Undergraduate Studies:**
- Aerospace Studies
- Leadership Studies
- Military Leadership

**Visual and Performing Arts:**
- Art
- Dance
- Electronic Music
- Music
- Theatre

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**Student’s Choice of Catalog**

In order to graduate from USF, each degree-seeking student must meet all of the graduation requirements specified in the USF catalog of his/her choice. A degree-seeking student may choose any USF catalog published during his/her continuous enrollment. Students who have transferred from one Florida public institution to another are affected by the following Department of Education policy:

Graduation requirements in effect at the receiving SUS institution at the time a student enrolls at a Florida public institution of higher learning shall apply to that student in the same manner that graduation requirements apply to its native students provided the student has had continuous enrollment as defined in the SUS institution’s catalog. At USF, “continuous enrollment” is defined as enrolling as a degree seeking student at least one term each twelve month period. Therefore, students cannot choose a USF catalog published prior to or during an academic year in which they did not maintain continuous enrollment. (Each catalog is considered to be published during the academic year printed on the title page.)

If the student cannot meet all of the graduation requirements specified in the catalog of his/her choice due to decisions and changes by the University in policy matter, course offering, etc., appropriate substitutions will be determined by the chairperson of the department or program of the student’s major.

USF’s policies are subject to change and apply to all students regardless of their choice of catalog. If the student’s graduation requirements are affected by changes in University policies, appropriate arrangements will be made to preclude penalization of the student.

**Repeat Course Work**

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

**Double Undergraduate Major**

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

**Second Undergraduate Major**

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

*Note that those students who complete the requirements for a second major must be aware that they will not receive a second degree.
Two Degrees (USF Students)
A student at USF may receive two baccalaureate degrees provided he/she meets University graduation requirements for both degrees. In addition to the minimum 120 semester hours that apply toward the first degree and include at least 60 semester hours from a baccalaureate institution, the student must also earn at least a minimum of 30 semester hours in on-campus USF undergraduate courses that will apply toward the second degree. The student must also meet the requirements of the college awarding the degree and the residency requirement.

Second Baccalaureate Degree (Transfer Students)
A student already graduated from an accredited four-year institution must earn a minimum of an additional 30 semester hours of USF undergraduate courses to apply toward his/her second baccalaureate degree. Students must also meet the University’s regular graduation requirements, 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 and stamped in the section, “Office Use Only”) by the student’s college (Center for Academic Advising for the A.A. certificate). The college retains one copy, and the student must submit the remaining copies to the Office of the Registrar prior to the graduation application deadline. Inquiries concerning approval or denial of graduation should be made to the appropriate college or to the Center for Academic Advising in Academic Support and Achievement.

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

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

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

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

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

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

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

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

Honors at Graduation
To be considered for honors at graduation, a baccalaureate candidate must have completed at least 40 credits of graded coursework at USF and have earned a grade point average of 3.50 or higher for all graded course work 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 *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 *magna cum laude* (with highest honor).
Candidates with a USF GPA of 3.50 or higher and an overall 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 ceremonies, students must submit an application to graduate. Information regarding the ceremony will be mailed to the students during the term in which they should participate. If information is not received, the student should contact the Office of the Registrar. Graduate students (masters, specialists, and doctorates) will not participate in commencement exercises until all requirements for such degrees have been fulfilled.

**Certification Requirements**

**Associate of Arts**

Upon the student’s successful completion of the minimum requirements for the Associate of Arts Certificate, the University will present the student who has properly made application with an appropriate certificate.
1. To receive the Associate of Arts, the student must complete 60 semester hours of university credit; at least 20 of the last 30 semester hours counted toward the Certificate must be completed in residence at USF; the minimum grade point average must be 2.0 based on work attempted at the USF; in addition, a transfer student must have a GPA of 2.0 or higher when combined with transfer work accepted and evaluated by the USF Office of Admissions; and the General Education Requirements of USF must be satisfied. Physical Education and military science credits do not count within the 60 semester hours toward the Associate of Arts. In addition the student must present a score (passing score after August, 1994) on the College-Level Academic Skills Test and fulfill the writing and computation course requirements of 6A-10.030 prior to receiving the Associate of Arts Certificate.
2. Application Procedure for the Associate of Arts Certificate. The Application for an Associate of Arts Certificate can be obtained from the Center for Academic Advising or the Registrar. The candidate, satisfactory/unsatisfactory grades will be accepted according to the approved University policy in effect during the terms of the student’s enrollment without regard for the student’s declared major. Students must be aware that if they have taken any courses on a satisfactory/unsatisfactory basis where such grades are not acceptable by the college of the major, the students may be required to repeat particular courses for a traditional letter grade or take additional courses for a traditional letter grade to meet the college requirements.
3. 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.
4. 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.
5. Students who follow a baccalaureate degree program as recommended by a college will not necessarily be eligible for the Associate of Arts certificate prior to the completion of 90 semester hours.

**Student Records Policy**

Pursuant to the provisions of the Family Educational Rights and Privacy Act (“FERPA”, 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 228.093 and 240.237 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:
1. Inspect and review their education records
2. Privacy in their education records
3. Challenge the accuracy of their education records
4. Report violations of FERPA to the FERPA Office, Department of Education, 400 Madison Avenue, SW, Washington, D.C. 20202 and/or bring actions in Florida Circuit Court for violations of Rule 6C4-2.001, Florida Administrative Code.
5. Copies of the University’s student records policy, USF Rule 6C4-2.0021, may be obtained from:
   - University Registrar
   - 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.

Confidentiality Policy

In the interest of openness and building trust with our students, USF now affords students the right to limit data usage and sharing of their information, without having to request nondisclosure of directory information under the Family Education Rights and Privacy Act (FERPA). Pursuant to the requirements of FERPA, the following types of information designated by law as “directory information” can be released, if the student has not requested privacy or non-disclosure: Name, Date of Birth, Address, Telephone, Major, Dates of Attendance, Enrollment Status, Degrees, and Prior Institutions Attended. *All other student data is considered to be protected.

Under new University policy which is less restrictive than Privacy under FERPA, students may now request confidentiality as a way to "opt out" from having their personal contact information (i.e. name, address, telephone) disclosed to vendors, credit card companies, or outside agencies that are not providing a service that would otherwise be performed by the University. To request confidentiality, go to: https://www.registrar.usf.edu/privacy/
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 a baccalaureate degree upon successful completion of General and Subject College Level Examination Program (CLEP), IB, and DANTES examinations. Performance levels necessary to achieve credit have been established at a common level for all universities and community colleges in the State system. Credit earned through one examination program may not be duplicated by another examination or course. The following limitations should be recognized:

1. CLEP credit will not satisfy USF’s residency requirement;
2. 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 applicability of a specific CLEP examination toward a student’s degree requirements and the advisability of taking the examinations in a student’s specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Evaluation & Testing (SVC 2054). The CLEP General and Subject Examinations are administered on a daily basis on the Tampa Campus. Testing schedules 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 website http://www.usf.edu/ugrads/eandt/clep.htm.

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.

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

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. Students may not grant equal recognition to students with extensive examination credits. An academic advisor should be consulted to ascertain the applicability of a specific CLEP examination toward a student’s degree requirements and the advisability of taking the examinations in a student’s specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Evaluation & Testing (SVC 2054). The CLEP General and Subject Examinations are administered on a daily basis on the Tampa Campus. Testing schedules are available in the Office of Evaluation & Testing (SVC 2054). Prior registration is required.

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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 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.
5. 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 2.3 (“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 courses. 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. Required courses 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: BEH 211, (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 between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in the CEL Program anytime during their academic career. Good standing at the University and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally students should plan their CEL projects during the term prior to their implementation, but they can be added at any time during the term. Information may be obtained from Robin Jones in BEH 211, (813) 974-8452.

**STATE UNIVERSITY SYSTEM CORRESPONDENCE COURSES**

The University of Florida's Division of Continuing Education's (DOCE) Department of Correspondence Study administers all correspondence instruction for Florida's State University System (SUS).

Correspondence study at the University of Florida is a consortium of universities within the State University System of Florida that offers high school, undergraduate and graduate courses for credit through interactive, self-directed study.

DOCE provides courses for students who wish to begin college programs early, take courses with conflicting times or closed sections, meet prerequisites, pursue professional development, or personal enrichment. DOCE courses’ content and requirements parallel their on-campus counterparts.

Enrollment in all courses is possible at any time of the year; however, prior approval of an advisor is needed if a course is to be used toward a diploma or a degree.

For more information, please contact: Department of Correspondence Study, 2209 NW 13th Street, Suite D, Gainesville, FL 32609; (352) 392-1711, or toll free at (800) 327-4218; or email: learn@doce.ufl.edu. Be sure to check out the home page: http://correspondencestudy.ufl.edu.

USF considers independent study by correspondence as resident credit. Grades are not transferable. Exception: grades for courses taken by Cooperative Education students while on a training period are transferred and will be used in computing the USF GPA.

**FLORIDA COLLEGE EXCHANGE PROGRAM**

Through an exchange agreement, students of USF, with the approval of their advisors, may elect courses at nearby Florida College. Credit for acceptable work may be transferred to USF and counted as elective credit toward graduation. Students from Florida College have a similar transfer arrangement.

Costs for students under these cross enrollment plans are based on credit hours of work taken, and payment is made to the appropriate institution in accordance with its per-hour fee rate.

Florida College students enjoy full privileges of the state-wide articulation agreement and of USF transfer student policies, such as academic renewal and full acceptance of the Associate of Arts degree.

**THE WASHINGTON CENTER INTERNSHIP PROGRAM**

Location/Phone/Email: BEH 211, (813) 974-8452, jones@chuma1.cas.usf.edu

All USF undergraduates seeking to live and learn in the nation’s capital are eligible to apply for the Washington Center Internship Program. Students participate in either the fall, spring or summer semesters and can earn course credit. Study at TWC consists of two major components: (1) working 35 hours per week at your selected internship and, (2) taking one seminar that meets once per week. Opportunities for internships are not limited to government positions, but include a vast array of non-profit and for-profit options.

In conjunction with the Washington Center located in Washington, D.C., students are housed in a conveniently located apartment complex within walking distance to public transportation (the Metro). The Washington Center also provides a student lecture series and a number of special events (e.g., breakfast with Members of Congress, cultural events at the Kennedy Center). The costs of the program vary depending upon date of attendance. Generous scholarships are available.

Applications for the program can be obtained in the Community Initiative, SOC 346. For details on The Washington Center Internship Program, please contact Robin Jones, Faculty Liaison for TWC Internship Program, 4202 East Fowler Avenue, BEH 211, Tampa, FL 33620-8100.

**Academic Services and Support**

**EDUCATIONAL OUTREACH**

Location/Phone: SVC 1072, (813) 974-2996
Faculty help line: onlinehelp@outreach.usf.edu,
(813) 974-8001

Web site: http://www.outreach.usf.edu

Educational Outreach extends the University’s academic resources to help lifelong learners meet their educational and professional goals. USF has the largest distance learning program in Florida, with more than 15,000 enrollments each year. “Anytime, Anyplace” 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.

The Media Innovation Team (MIT) of the Center for 21st Century Teaching Excellence (C21TE) helps faculty incorporate a wide range of instructional technologies with thoroughly researched pedagogical strategies to enhance the learning experience of the students. This support includes online course production and development assistance for web-based instruction, videoconferencing, videostreaming, telecourses, enhanced TV, and other models. These applications of technology expand access for all students; including those constrained by time and/or place.

For more information call (813) 974-8001 or visit our website at http://www.outreach.usf.edu/c21te/.

**Technology Services** 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 “Anytime, Anyplace” opportunities to fit the schedules and educational goals of our students. All four USF campuses have videoconferencing classrooms, supporting fully interactive...
classes and facilitating active, collaborative learning in a distributed environment. In conjunction with VITAL, organizational partners (including the Center for 21st Teaching Excellence, Educational Outreach) provides faculty support for design, development, and production of courses using computer applications, videoconferencing, multimedia enhancements, Instructional Television Fixed Services (ITFS) network, broadcast video systems, and satellite uplink/downlink capabilities. A faculty helpline is available 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 students at off-campus locations, serves as a central information and referral point for distance and off-campus courses, publishes a supplemental schedule each semester of distance and off-campus classes, and maintains a viewing area for telecourses and other offerings with taped sessions for students’ review. Students enrolled in telecourses, teleweb courses (television-based courses with web components), and other 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 register and pay for their courses directly through this office.

Rooms are supported through the Virtual Library, with access to web-based resources and an electronic reserve system; and Academic Computing’s provisions for e-mail and computing accounts. Classes offered through Distance Learning are included in a special online catalog of distance learning classes available each semester. For more information, please visit our website at http://www.outreach.usf.edu/distudents, call (813) 974-2996, or send e-mail to: distance@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 technology throughout the academic process. Specially equipped distance learning classrooms support fully interactive videoconferencing environments and more traditional distance learning technologies at all four USF campuses. These technology capabilities enhance USF’s K-12, community college, civic, and corporate partnerships by expanding educational opportunities throughout Florida and beyond.

Off-Campus Opportunities
Phone: (813) 974-2996
Email: distance@outreach.usf.edu
Website: http://www.outreach.usf.edu/distudents

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 at off-campus locations 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 online catalog of distance learning and off-campus classes.

USF Downtown Center
Located on Channelside Drive in the Port Authority Building, the USF Downtown Center serves as an off-campus site for academic classes, non-credit continuing education courses, and as a meeting/training/conference facility. Room rentals are generally available during the weekdays (8:00 am to 5:00 pm) and on weekends, while university focused programs are typically held evenings, Monday through Thursday.

The Downtown Center has seven (7) reconfigurable classrooms with seating capacities ranging from 36 to 60 participants. A twenty (20) station computer lab and videoconferencing capability are also available for rent. Each room has a full suite of A/V equipment (LCD Projector, computer, overhead, document camera and Internet connection) which is included in the room rental cost.

For more information, please contact Janet O’Shea at (813) 905-5858 or visit the web site at http://www.usf.edu/downtown.

MBA Program
The USF MBA Program offers evening courses at the USF Downtown Center in the Tampa Port Authority Building. Students are able to complete all degree requirements at the Downtown Center. The USF MBA requires 36-57 credits to complete and is fully accredited by the AACSB. For additional information on the program and admission requirements, visit the web site at http://www.coba.usf.edu or call (813) 974-3335. Earn your MBA without leaving downtown Tampa.

M.S. in Management Information Systems
To meet the needs of the marketplace for expertise in both information technology and management, the Information Systems and Decision Sciences department in the College of Business Administration offers a program of study leading to a Master of Science in Management Information Systems (MS/MIS) degree at the USF Downtown Center. The program is designed for individuals who are challenging 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 to be taken totally or in part-time or part-time. For further information, call (813) 974-5524 or visit the website at http://www.coba.usf.edu.

MPA Program
The Master of Public Administration program offers a multidisciplinary 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.

MHA Program
The College of Public Health provides coursework, research methods, and field experiences to prepare students in the public health professions for the challenging health problems facing the State, nation, and other counties. The field of public health is broad and is open to students from diverse academic disciplines including health sciences, education, business, social and natural sciences. Graduates are prepared for interdisciplinary focused public health professional
careers as administrators, managers, educators, researchers, and direct service providers.

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

**USF in 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) Clearwater**  
  2465 Drew Street  
  Programs: Business Administration, B.S. & M.B.A.  
  Elementary Education, B.S.  
  Educational Leadership, Ed.D.  
  Interdisciplinary Social Science, B.A.  
  Nursing, B.S. & M.S.
- **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.
- **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** 727-553-1517  
- **Ed. Leadership, Ed.D.** 813-974-1575  
- **Engineering** 813-974-3783  
- **Instructional Technology** 813-974-1632  
- **Interdis. Social Science** 727-553-1511  
- **Library Info. Science** 813-974-7344  
- **Nursing** 813-974-4229  
- **Public Administration** 813-974-1080  
- **Public Health/Health Mgmt.** 813-974-6666  
- **Social Work** 727-553-1511

**USF in Pasco/Hernando Counties**
**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.
- **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** 727-553-1517  
- **Ed Leadership, Ed. D.** 813-974-1431  
- **Engineering (FEEDS)** 813-974-3783  
- **Interdis. Social Science** 727-553-1511  
- **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 videotape 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 online catalog of distance learning and off-campus classes published by Educational Outreach. Visit our web site at http://www.outreach.usf.edu/dlstudents 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, and 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 online at http://www.outreach.usf.edu/dlstudents.

**Continuing Education**
The main units of the Educational Outreach Continuing Education Division are: Professional and Workforce Development, Conferences and Institutes and the USF Downtown Center. More information about these units is in the following descriptions and on the web site at http://outreach.usf.edu/conted.

**Professional and Workforce Development (PWD)**
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 profes-
sional 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.
PWD’s non-credit certificate programs provide high-quality,
practical training in a number of disciplines including manage-
ment and supervision, human resource management, financial
planning, gemology and gem/jewelry appraisal, non-profit
management, mediation, traumatology, 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/mul-
timedia/graphics training, to sophisticated training to prepare
individuals for examinations to earn advanced computer cer-
fifications such as A+, Microsoft Certified Systems Engineer
(MCSE), Microsoft Certified Solutions Developer (MCSD), Oracle
application development and database administration, computer
programming, and Web Skills for Business and Marketing.

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

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

PWD coordinators are skilled in needs assessment, pro-
gram 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 or by experienced subject matter experts from the
community. The appropriate USF academic unit approves our
programs and instructors. PWD program coordinators are
available to assist organizations, businesses and government
in developing specialized programs to meet specific organiza-
tional goals and objectives.

Continuing Education Units (CEUs) are awarded to partici-
pants who successfully complete programs sponsored by the
division. One CEU equals 10 instructional contact hours.
Transcripts indicating awarded CEUs are available on written
request.

The Florida Center for Writers, a joint project of the Depart-
ment of English and Professional and Workforce Develop-
ment, was established to foster an appreciation of writing, and
to help writers of all levels master their craft. The Center
sponsors the annual Florida Suncoast Writers Conference,
ongoing classes in writing, publication of Sunscripts: Writing
from the Florida Suncoast Writers Conference, and various
lectures and readings. PWD also offers courses in creative
writing, personal finance and visual arts.

Pre-college and Community Outreach unit of PWD provides
educational enhancement programs for children and families
in a variety of disciplines. As a component of this unit, Commu-
nity Music offers quality music instruction throughout the year
to children age 3 through young adults, in both private and group
settings, and 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:
Interdisciplinary Arts for Youth Program offers enrichment
classes for students age 8-17 each summer on the Tampa
campus.

Faculty of the University and professional teacher/artists
lead these classes and USF undergraduate/graduate stu-
dents 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 activi-
ties and programs University-wide is published annually and
can be obtained by contacting USF Pre-college and Commu-
nity Outreach at 4202 E. Fowler Ave., MHH 116, Tampa, FL
33620-6756; (813) 974-6989.

For more information, contact Professional and Workforce
Development, Educational Outreach, University of South Florida,
4202 E. Fowler Avenue, MHH116, Tampa, FL 33620-6756;
(813) 974-2403. Information is also available on the web at
www.outreach.usf.edu/conted/pwd.htm

Conferences and Institutes

Conferences and Institutes plans and implements continu-
ing education programs such as conferences, seminars,
workshops, symposia and institutes for University units and
external sponsors. The Division provides comprehensive ser-
dvices including program development/planning, financial plan-
ning and management, fund development, promotion, instruc-
tional resources, registration, logistics, Continuing Education
on-site management, evaluation and certificates.

For additional information about developing programs or
learning about upcoming programs, contact 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.

THE USF LIBRARY SYSTEM

Web address: http://www.lib.usf.edu/usflibraries/new.html

Tampa Library: (813) 974-2729 (for hours, call 974-2727)
Shimberg Health Sciences Library (Tampa Campus): MDC
1200. (813) 974-2243
Louis de la Parte Florida Mental Health Institute Library (Tampa
Campus): MHC 1744, (813) 974-4471

Nelson Poynter Library (St. Petersburg Campus): (727)553-
1123
Jane Bancroft Cook Library (New College/Sarasota Campus):
(941) 359-4300

Polk Community College & USF Lakeland Campus Library:
(863) 297-1042

All six libraries within the USF Library System contain over
1,500,000 volumes, and the 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 Libraries System enhances teaching and learning
through the delivery of online library resources and services to
the dorm, office, or home as well as on-site at any of the USF
Libraries. Special features include WEBLUIS, the online cata-
log, an electronic course reserve system, over 1,000 electronic
journals, hundreds of databases - some of which include
additional full-text information, and digitized historical materi-
als 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.

WEBLUIS, the online catalog, may be searched by author,
title, subject, and keyword to identify the libraries’ holdings.
WEBLUIS contains records for the USF libraries, all ten state
university libraries in Florida and online catalogs worldwide.
Workstations located in various USF libraries provide access
to the online catalog. Remote access to the same catalog is
also possible through any campus workstation linked to the
USF network or via dial-in procedures.

The USF libraries can obtain materials from each campus,
SUS and other libraries upon request. Students, staff and
faculty can have access to resources by requesting material
using online forms found at the USF Library System web page at http://www.lib.usf.edu/usflibraries/new.html.

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

**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, including government documents. 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 are available for support of teaching and research using state-of-the-art computer labs and classrooms. Access to electronic information via the USF Libraries web page 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 Periodical Information Desk and the Copier Assistance Desk. The collection contains more than 4,900 current and selected 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 Collection:** The Library is a selective depository for United States government publications and a full depository for the public documents of Florida. The Government Documents Collection, which is housed in the basement of the Library, contains over 2 million items, including a wide variety of materials in print, microform, and electronic format. The Collection is augmented by the acquisition of United Nations committee reports on microfiche, selected publications of other public agencies, selected reference tools, and other specialized indexes and finding aids. Assistance with the location and use of publications in the Government Documents Collection is provided at the Reference Desk, which is located on the first floor of the Library. For access to a wide range of online government publications, please visit the Government Documents website at http://www.lib.usf.edu/virtual/govdocs.

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

**Access Services (circulation, interlibrary services, reserve):** Access Services is located on the first floor. The reserve collection contains books, while all articles are on electronic reserve. Faculty may request books and articles to be placed on reserve by going to http://www.lib.usf.edu/accsvc/reform1.php. The Electronic Reserve System 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. Students have access to resources beyond the onsite collections at each campus. Forms for requesting materials are located on the Library’s home page at http://www.lib.usf.edu/usflibraries/new.html.

**Library Media Resources:** The Library Media Resources provide media materials for instruction, research, and curriculum support. Videocassettes, sound recordings, CD-ROMs, slides, kits, and other audio-visual formats as well as music scores are available for loan. The Media Resources Lab provides equipment for individual use of all media in the collection and on reserve. Multi-media rooms are available for group use of the collection.

**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 725, phone: 974-7616
**AC Trainers:** LIB 618A, phone: 974-3286, email: atrainers@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/acces
**Netcast Broadcasting Site:** http://www.netcast.usf.edu
**Web Email Access:** http://mailbox.acomp.usf.edu

Academic Computing provides services in direct support of instruction and research for students and faculty. Faculty at USF can find the resources and support necessary to bring technology into the classroom. Academic Computing administers the servers that are home to the on-line courseware system which provides a full suite of electronic tools for all classes. For more information see http://www.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.

Academic Computing provides 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 24 hours a day. Check our web site at http://jobs.acomp.usf.edu for information.

Academic Computing provides the University with High Performance, High Throughput, and Numerically Intensive Computing through its Research Oriented Computing Services division. ROCS maintains two Beowulf class cluster computers and a Condor based grid-computing cluster. It also maintains and supports licensing of numerically intensive software. Training in some HPC subjects is available online from the ROCS website, http://rocs.acomp.usf.edu.

Academic Computing supports the portal. This 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 unit within the State Board of Education and provides the primary administrative computing support to the University of South Florida and numerous other agencies. CFRDC is a division within Information Technologies (IT) and its support staff consists of Computer Operations and Technical Support/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. CFRDC utilizes a number of SUN/Solaris/Oracle machines in support of USF, FGCU, NCF and UWF's, Student, Financial, HR, and Payroll applications. Numerous NT servers support 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, as well as other entities.

**PUBLIC BROADCASTING**

**WUSF-TV** (Channel 16, Tampa) is a noncommercial 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, information, entertainment, 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 services 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 production and distribution 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) 89.7 MHz** (Tampa/St. Petersburg, Sarasota) is a listener supported public radio station that is synonymous with the classical music and NPR brands in the top 25 market of Tampa-St. Petersburg-Clearwater and Sarasota. It is the most listened-to public radio station in the state of Florida. WUSF 89.7 features the NPR signature news programs Morning Edition and All Things Considered; airs 75 hours of classical music each week, nearly 85% of which is locally hosted; airs 45 hours of jazz each week overnight and provides entertaining programs such as Car Talk, A Prairie Home Companion, Wait, Wait Don’t Tell Me and This American Life. WUSF 89.7 produces The University Beat, a program devoted to showcasing the outreach efforts of the University of South Florida and Gulfcoast Showcase which focuses on the arts community and broadcasts locally recorded concerts from organizations such as the Florida Orchestra and La Musica of Sarasota. Over 3 million people fall within the coverage area which extends north to Crystal River, south to Venice and east to Winter Haven. The station also provides production services, studio 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:** ASB 200, (813) 974-8570  
**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, research park development, technology transfer, and research activities at affiliated hospitals and institutes.

From developing a grant proposal to filing a patent to regulating biohazardous materials, the Research staff are trained professionals committed to meeting the needs of USF researchers. In turn, the dedication of USF undergraduate as well as graduate students and faculty researchers has contributed to the phenomenal growth in research that USF has experienced. In 2001/02, USF received more than $200 million in research funding.

USF faculty, students, and staff are active in the search for new knowledge and consistently demonstrate their concern about the world in which they live. With the support of private and public agencies, they contribute to our knowledge about the world in which we live and apply their findings and skills to solving many of the problems facing contemporary society. Many contributions evolve from basic research; others, from practical applications of new knowledge. Other projects make specialized training available to public officials, to organizations working for social betterment, to religious and educational institutions, and to business and manufacturing organizations. Through sponsored and non-sponsored activities, USF faculty, students, and staff make significant contributions to the University’s instructional programs. Additional information about services and programs is available on the World Wide Web (http://www.research.usf.edu/).
HONORS COLLEGE
UNIVERSITY OF SOUTH FLORIDA - 2003/2004 UNDERGRADUATE CATALOG

Tampa Campus

Tampa Campus Location/Phone: FAO 274; (813) 974-3087
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://honors.usf.edu

The Honors College Research Major (HCRM) is designed primarily for Honors College (HC) students preparing for graduate or professional school, although it would be available to other HC students as well.

HCRM students would complete IDH 2010, 3100, 3350, 3600, 3400 and 4200, freshman English I and II, 2 semesters of mathematics and two semesters of a foreign language in order to meet USF General Education requirements. AP, IB, CLEP, dual enrollment and other acceptable forms of credit could be used to satisfy the English, math and foreign language requirements. (Credits = 18-42)

The HCRM would consist of 30 credit hours and would include courses to satisfy the USF Exit Requirements (IDH 4000 and six credits of IDH 4970).

The 30 hours would consist of 2 cognates, each containing a minimum of 12 credit hours. Each cognate would require a research project of at least 9 credit hours; the remaining hours could be appropriate coursework, independent study or an increased number of research hours.

One cognate would be directly related to the student’s primary major; the second cognate must be outside the department of the student’s major.

The student shall have a separate research committee for each cognate, consisting of a mentor and two faculty “readers”. The HC Dean shall approve the mentor, and the mentor shall approve the “readers”. The committee and student shall design the cognate courses of study and submit the written plan for HC approval.

The committee shall ensure that the student has an appropriate background in scientific method/experimental design/research tools. Research project format shall be discipline appropriate and clearly represent the number of credits earned. Formal prospectus/proposal and final presentations will be required of each student in both cognates.

No grade below “B” will be accepted towards the HCRM.

Honors Faculty

Dean: Stuart Silverman; Associate Dean: Georg Kleine (Instructors for the Honors courses are recruited from among the University’s outstanding teacher-scholars).

Honors Research Major

The Honors College Research Major (HCRM) is designed primarily for Honors College (HC) students preparing for graduate or professional school, although it would be available to other HC students as well.

The HCRM is designed to be a second major. That is, in order to have an HCRM, a student would need to complete all requirements of a regularly offered USF major. (Credits = 30-36)
The School of Architecture and Community Design, founded in 1986, emphasizes architecture and community design in the professional Master of Architecture degree. Successful completion of the undergraduate courses of study enables students to enter the Master of Architecture program with significant advanced standing. 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’s of Architecture track that involves 93 to 105 credit hours. 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 to 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, email 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 2311 “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 Architecture Students (AIAS) and the Architecture College Council. Students participate in a wide range of school governance committees and task forces.

Study Abroad: The School sponsors summer study abroad programs in London, Spain and other locations.
Accreditation and Licensure: Applicants for architectural licensure in Florida, and most jurisdictions in the United States, normally must have:
- earned a professional degree from a School accredited by the National Architectural Accrediting Board (NAAB)
- completed the Intern Development Program (IDP)
- passed the Architect Registration Examination (ARE)

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

“In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, 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 a 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 essence of education is a capacity for and 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 understanding of our universe.

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

General Information

The College of Arts and Sciences Dean’s Office is located in Cooper Hall (CPR), Room 107. For additional information about the College, visit our web site at http://www.cas.usf.edu.

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 shadrk 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. 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. For a list of advisors, consult “Advising Inquiries” on the College of Arts and Sciences web page http://www.cas.usf.edu.

Advising Offices

Tampa Campus: College of Arts and Sciences Office of 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 SPJCC 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.

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. 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 (BEH 201), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620 or visit our web site at http://www.cas.usf.edu.
General Requirements for B.A./B.S./B.S.W. Degree

Within the College of Arts and Sciences

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

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

1. Complete at least 120 accepted semester hours, 124 for major course requirements.
2. Maintain major gpa of 2.000. Note: In English and Mass Communications students must have a 2.500 major gpa; Social Work requires a 2.75 major gpa, and the Biology major with a concentration in Marine Biology requires a 3.0 major gpa.
3. Complete the Foreign Language Entrance Requirement if entering USF fall semester, 1987 or later. Students pursuing a B.A. degree must complete the Foreign Language Exit Requirement.
4. Students enrolling in a college in January, 1983 or after must satisfy State Rule 6A-10.30 (Gordon Rule) concerning computation and communications. Transfer students who enter the University of South Florida with 60 or more semester hours from a regionally accredited institution are considered to have met the communications portion of the Gordon Rule.
5. Complete Liberal Arts Requirements (for more information, see section titled “Liberal Arts Requirements.”)
   General Education Requirements (36) hours credit:
   Six (6) hours credit in English Composition
   Six (6) hours credit in Quantitative Methods
   Six (6) hours credit in Natural Sciences
   Six (6) hours credit in Social Sciences
   Six (6) hours credit in Historical Perspectives
   Three (3) hours credit in Fine Arts
   Three (3) hours credit in African, Latin American, Middle Eastern, or Asian Perspectives

   Exit Requirements (9) hours credit
   Six (6) hours credit in Major Works and Major Issues
   Three (3) hours credit in Literature and Writing
6. Elective Physical Education is limited to 2 semester hours.
7. ROTC is limited to 9 semester hours.
8. 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 writing within the first three (3) weeks of the term. None of the 20 credits may be taken in the student’s major unless S/U is the only grading option. English 1101 or 1102 may not be taken S/U.
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 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.

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, Mass Communications, Mathematics, Philo-sophy, Physics, Political Science, Psychology, Public Administration, 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 “Departments and Programs.”

Baccalaureate-Level Degree Programs

The departments and programs in the College of Arts and Sciences include Africana Studies, American Studies, Anthropology, Biology, Chemistry, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Environmental Science and Policy, Geography, Geology, Gerontology, History, Humanities, Interdisciplinary Natural Sciences, Interdisciplinary Social Sciences, International Studies, Liberal Studies, Mass Communications, Mathematics, Medical Technology, Languages and Linguistics, Philosophy, Police Science, Political Psychology, Public Administration, Rehabilitation Counseling, Religious Studies, Social Work, Sociology, and Women’s Studies. The College of Arts and Sciences offers 59 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.
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)

BACHELOR OF ARTS (B.A.)

African Studies (AFS)
Anthropology (ANT)
Chemistry (CHM)
Biochemistry Concentration (CBY)
Health Professions Concentration (CHP)
Communication (SPE)
Interpersonal & Organizational Concentration (SIO)
Performance Concentration (SPM)
Public & Cultural Concentration (SPL)
Communication Sciences and Disorders
Deaf Studies Concentration (DST)
Interpreter Training Concentration (ITT)
Speech-Hearing-Language Concentration (LSH)
Criminology (CCJ)

BACHELOR OF SCIENCE (B.S.)

Mathematics (MTH)
Physics (PHY)
Psychology (PSY)
Religious Studies (REL)
Sociology (SOC)
Women's Studies (WST)
World Language Education
- Classics (CLS)
- French (FRE)
- French International Studies & Business Concentration (ISB)
- German (GER)
- Interdisciplinary Classical Civilizations (ICC)
- Italian (ITA)
- Russian (RUS)
- Spanish (SPA)
- Spanish International Studies & Business Concentration (ISB)

Microbiology (MIC) - housed in Biology
Physics (PHS)

BACHELOR OF SOCIAL WORK (B.S.W.)

Social Work (SOK)

Honors Programs

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.
CERTIFICATE IN ITALIAN STUDIES

The College of Arts and Sciences and the College of Visual and Performing Arts offer a certificate in Italian Studies. The history of the geographic expression that today we call Italy is the sum of many particular histories and cultures. Yet, in their diversity and 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 the islands of Sardinia and Sicily from pre-historic times to the present. In addition, however, offerings will also focus on the Italian diaspora with specific reference to the experiences of people of Italian descent in the many nations in which they settled from the early 19th century to the present.

Students are required to take between 23 and 28 semester hours from a list of courses approved for the certificate. A Faculty Advisory Committee will coordinate the Certificate in Italian Studies. Students may receive credit for courses, not included in the above list, or if circumstances require it, 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 any other accredited program. The Advisory Committee will coordinate the Certificate of Italian Studies.

I. Language Requirement:
Students must demonstrate proficiency in Italian or complete two semesters of language courses chosen from the following courses.

ITA 1120 Beginning Italian I
ITA 1121 Beginning Italian II
ITA 2200 Intermediate Italian I

ITA 2240 Italian Conversation I
ITA 2241 Italian Conversation II
ITA 3420 Composition
LAT 1120 Beginning Latin I

II. Core Courses:
Each student will take three courses from the following list. However only one course will be allowed from each department.

ARH 4301 Renaissance Art
ITW 4100 Survey of Italian Literature I
ITW 4101 Survey of Italian Literature II
HIS 3930 Renaissance Society
HIS 3930 The Italian Diaspora
HUM 4437 Italian Renaissance Culture

III. Elective Courses:
Students will take 6-8 credits of elective courses chosen from the following list:

ANT 4143 European Archeology
ANT 4930 Mediterranean Archeology

LIT 4930 Italian Cinema

Government and International Affairs:
POT 4936 Selected Topics in Political Theory

History:
EUH 3412 Roman Republic
EUH 3413 Roman Empire
HIS 3930 The Italian Diaspora
HIS 3930 The Italian-American Experience
HIS 3930 The Rise of Rome
HIS 3930 The Punic Wars
HIS 3930 The Roman Revolution
HIS 3930 Renaissance Society
HIS 3930 Women and Men in Early Modern Europe

Anthropology:
HUM 4437 Italian Renaissance Culture
HUM 4930 Italian Film and Music—Fellini and Rota
HUM 4930 Neo-Realism and the New Wave: Post World War II French and Italian Film

World Language Education:
CLA 3123 Roman Civilization
CLT 3102 Roman Literature in Translation
ITA 1120 Beginning Italian I
ITA 1121 Beginning Italian II
ITA 2200 Intermediate Italian I
ITA 2240 Italian Conversation I
ITA 2241 Italian Conversation II
ITA 3420 Composition
ITA 3470 Overseas Study
ITW 4100 Survey of Italian Literature I
ITW 4101 Survey of Italian Literature II
ITW 4905 Directed Study
LAT 1120 Beginning Latin I

Theatre:
THE 4480 The Theatre of Luigi Pirandello
CERTIFICATE IN LATIN AMERICAN AND CARIBBEAN STUDIES
The College of Arts and Sciences offers a Certificate in Latin American and Caribbean Studies for students who wish to gain an intensive multi-disciplinary understanding of this important area. This certificate is designed for students who want to learn more about the region and have that knowledge formally recognized in their academic record.

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

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

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

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

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

2) Geography/Government & International Affairs
   CPI 4930 Latin American Politics
   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 Food in the Americas
   LAH 3930 US/Latin American Relations
   HIS 3930 Modern Central America
   HIS 3930 Revolutions in Latin America
   HIS 3930 Andean History
   HIS 3930 Latinos in the United States

4) Art/Humanities/Literature
   ARH 4930 Latin American Art History
   HUM 4464 Latin American Culture Since 1492
   SPN 3520 Spanish American Civilization
   SPN 4930 Mexican Literature
   SPN 4930 Cuban Culture
   SPN 5135 Colonial Spanish American Literature
   SPN 5525 Modern Spanish American Literature
   SPT 2524 Women Writers of Latin America
   SPW 3030 Introduction to Hispanic Literature
   SPW 4131 Survey of Spanish American Literature
   SYG 3235 Latina Lives
   THE 4434 Caribbean Theatre

5) Others
   ECO 4935 The Economics of Latin America
   REL 3375 Issues in Caribbean Religions
   See also: Sociology, Economics, Study Abroad.

For information and advice about the certificate program, contact the Latin American and Caribbean Studies Office, CPR 474, or call 974-3547. The program is open to all majors in all colleges.

CERTIFICATE IN MODERN WESTERN EUROPEAN STUDIES
The College of Arts and Sciences offers this certificate through the collaboration of the Departments of English, Geography, History, Humanities and American Studies, Government and International Affairs, Languages & Linguistics, and Philosophy. It is designed for majors in any field who wish to gain a multi-disciplinary understanding of a part of the world that has shaped much of our civilization and holds great significance for Americans in present and future.

The student and the Coordinator will plan the individual course of study, which requires between 21 and 24 semester hours. Students must declare their intention to be awarded the certificate by notifying the Coordinator at least one full semester prior to graduation. A cumulative GPA of 2.5 in the certificate course work is required. Please contact Professor Georg H. Kleine at FAO 291, (813) 974-3331, or by e-mail: kleine@honors.usf.edu.

1) Language Requirement (6)
   Students will enroll in two additional semesters of the foreign language they have taken in fulfillment of the College of Arts and Sciences language requirement.

2) Core Courses (9-10)
   Students will take a total of three courses from the following; one of them must be either EUS 3000 or GEA 3500.

   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 universities.

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

   Western European study and travel allows students to concentrate on one of the areas of electives. Students may want to use overseas experience credits to fulfill their summer enrollment requirement.

   A structured alternative experience in the United States may be substituted for the Overseas Experience. The Certificate accepts IDS 4943 (Off-Campus Term Special Project) or any of the courses listed below as Elective Courses for credit for this requirement. Coordinator, Advisory Committee and student will tailor the experience to fit the student’s individual needs.

   B. English (3)
   ENL 3230 British Literature 1616-1780
   ENL 3251 British Literature 1780-1900
   ENL 3273 British Literature 1900-1945
   ENL 3331 Early Shakespeare
   ENL 3332 Late Shakespeare
   LIT 3102 Literature of the Western World II

   C. History (1-4)
   EUH 3142 Renaissance and Reformation
   EUH 3202 History of 17th and 18th Century Europe
   EUH 3205 History of 19th Century Europe
   EUH 3206 History of 20th Century Europe
EUH 3461 German History to 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 in the 17th and 18th Centuries
HUM 4442 Arts and Letters of the Romantic Period
HUM 4444 19th Century European Arts and Letters
HUM 4445 20th Century European Arts and Letters
HUM 4905 Directed Study
HUM 4941 Study on Location

E. Government and International Affairs (3)
CPO 4930 Comparative Government and Politics
INR 3955 Overseas Study
POS 3931 Selected Topics
POS 4905 Independent Study
POT 4054 Modern Political Theory

F. Languages and Linguistics (1-4)
(Note: the student should take courses from the list below after completing the two additional semesters of the foreign language requirement (see I) or, if already advanced in a language, with the instructor’s approval. These courses are generally taught in the target language.)

**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
SPN 3441 Advanced Spanish for Business Writing
SPN 3500 Spanish Civilization
SPW 3030 Introduction to Hispanic Literature
SPW 4100 Survey of Spanish Literature I
SPW 4101 Survey of Spanish Literature II
SPW 4900 Directed Study
SPW 4930 Selected Topics

G. Philosophy (3)
PHP 3420 History of Philosophy
PHP 4440 Continental Philosophy
PHP 4431 Modern Political Philosophy
PHP 3786 Existentialism

PHP 4410 Kant
PHP 4740 The Rationalists
PHP 4745 The Empiricists

Courses not included in the above list may be included in the program if approved by the Coordinator and an Advisory Committee.

**CERTIFICATE IN RUSSIAN STUDIES**
The College of Arts and Sciences offers a Certificate in Russian Studies for students who wish to gain an intensive multidisciplinary understanding of this important area. A minimum of 23 to 26 semester hours is required of all students seeking such a certificate, and will be distributed in the following manner:

**Language-Linguistics-Literature**
Twelve hours from the following courses, 8 of which must be in language:
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)
EIH 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)
GEO 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.

Other courses may be substituted for those listed above upon approval of the Russian Studies coordinator.

**CERTIFICATE IN URBAN STUDIES**
The Urban Studies Certificate offers students the opportunity to supplement their education and training with a focus on the problems and potentials of the urban world around us. Eighty percent of Americans live in one of the country’s nearly 400 major metropolitan areas. Understanding the economic, social, cultural, political and spatial phenomena of urban areas, and how they came to be, is essential if one is to thrive in today’s world. The Urban Studies curriculum begins with an interdisciplinary Introduction to Urban Studies and then weaves the multidisciplinary urban offerings into a coherent understanding of urban life. The Urban Studies Coordinator
helps each student fashion a curriculum that meets his/her unique intellectual and career needs. The curriculum, through its courses and internship possibilities, focuses on the "real world," thus providing students with a valuable foundation for their career planning and advancement. With the help of the Urban Studies Coordinator, students can design concentrations in urban planning, urban management, community development, community organizing, etc. The Certificate requires a minimum of 24 credits.

1) Core Courses (9-10 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>URS 3002</td>
<td>Introduction to Urban Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4442</td>
<td>Urban Life and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ARC 4784</td>
<td>The City</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3613</td>
<td>Economics of the Urban Environment</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3602</td>
<td>Urban Geography</td>
<td>4</td>
</tr>
<tr>
<td>ISS 3930</td>
<td>Community Studies</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4162</td>
<td>City and Urbanization</td>
<td>3</td>
</tr>
</tbody>
</table>

2) Methods Courses (select 1 of the following: 3-4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4535</td>
<td>Social Networks</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4935</td>
<td>Economics Statistics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3713</td>
<td>Empirical Political Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 2122</td>
<td>Social Science Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3300</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3310</td>
<td>Qualitative Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3164C</td>
<td>Geographic Techniques and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4100C</td>
<td>Cartography</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4501</td>
<td>Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4511</td>
<td>Police and Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4550</td>
<td>Developmental Aspects of Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4652</td>
<td>Juvenile Substance Use</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4323</td>
<td>Radical Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3201</td>
<td>Economics of Women and Work</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3203</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3530</td>
<td>Economics of Health</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4935</td>
<td>Economics of Crime</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4502</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4604</td>
<td>Advanced Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>Transportation Geography</td>
<td>3</td>
</tr>
<tr>
<td>URP 4052</td>
<td>Urban and Regional Planning</td>
<td>3</td>
</tr>
<tr>
<td>GEY 3606</td>
<td>Community Services for Older Adults</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3423</td>
<td>Modern Florida</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3500</td>
<td>American Labor History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3530</td>
<td>Immigration History</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3572</td>
<td>African American History since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics: The City in History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics: The History of Tampa</td>
<td>3</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics: The History of St. Petersburg</td>
<td>3</td>
</tr>
<tr>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4162</td>
<td>The City and Urbanization</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4164</td>
<td>Urban Social Issues: An Interdisciplinary Approach</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State &amp; Local Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3145</td>
<td>Governing Metropolitan Areas</td>
<td>3</td>
</tr>
<tr>
<td>POS 4165</td>
<td>Community Leaders and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3931</td>
<td>Special Topics: Politics of St. Petersburg</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3313</td>
<td>Blacks in the American Political System</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4002</td>
<td>Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUP 5807</td>
<td>Administration of Urban Affairs</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>The American Social Welfare System</td>
<td>3</td>
</tr>
<tr>
<td>SYO 3120</td>
<td>Sociology of Families</td>
<td>3</td>
</tr>
<tr>
<td>SYO 3530</td>
<td>Social Stratification</td>
<td>3</td>
</tr>
<tr>
<td>SYO 3700</td>
<td>Racial and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4510</td>
<td>Sociological Aspects of Deviance</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4530</td>
<td>Sociology of Juvenile Delinquency</td>
<td>3</td>
</tr>
</tbody>
</table>

4) Internships (1 of the following can be substituted as an ELECTIVE)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4940</td>
<td>Internship for Criminal Justice Majors</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4941</td>
<td>Study on Location</td>
<td>3</td>
</tr>
<tr>
<td>IDS 4942</td>
<td>CEL Community Internship</td>
<td>3</td>
</tr>
<tr>
<td>IDS 4956</td>
<td>CEL International Community Internship</td>
<td>3</td>
</tr>
<tr>
<td>POS 4941</td>
<td>Field Work</td>
<td>3</td>
</tr>
<tr>
<td>SYA 4949</td>
<td>Sociological Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

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 biology, chemistry and interdisciplinary natural sciences because of their interests in the health sciences, and the considerable overlap between the preprofessional curriculum and the degree requirements for those majors. 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.

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.

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:

<table>
<thead>
<tr>
<th>Biology</th>
<th>CHM 2045, 2045L General Chemistry I (3,1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CHM 2046, 2046L General Chemistry II (3,1)</td>
</tr>
<tr>
<td></td>
<td>CHM 2210, 2210L Organic Chemistry I (3,2)</td>
</tr>
<tr>
<td></td>
<td>CHM 2211, 2211L Organic Chemistry II (3,2)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>PHY 2053, 2053L General Physics I (3,1)</td>
</tr>
<tr>
<td></td>
<td>PHY 2054, 2054L General Physics II (3,1)</td>
</tr>
</tbody>
</table>

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

Specific Requirements for Chiropractic School

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

Specific Requirements for Dental School

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

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

Strongly Recommended:
- BCH 3023L Basic Biochemistry Lab (2)
- PCB 5235 Principles of Immunology (3)

Recommended:
- Business management (3)
- Speech/communication (3)

Additionally, the University of Florida requires and recommends:

Required:
- MBC 3020C General Microbiology (4)
- PCB 3063, 3063L General Genetics (3,1)
- PSY 2012 Psychological Science I (3)

Strongly Recommended:
- MAC 2241 OR MAC 2311 Calculus (4)
- STA 2023 Introductory Statistics (4)
- Logic (3)
- Sociology (emphasis on Diversity) (3)

Recommended:
- Conversational Spanish (3)

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)
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 3020C 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**
- MBC 3020C General Microbiology (4)
- PCB 3063, 3063L General Genetics (3,1)

**Chemistry**
- BCH 3023 Introductory Biochemistry (3)

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

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

In addition, students must have a minimum of 80 hours, including 6 hours of English, 6 hours of social science, and 9 hours of humanities. Students are also required to take two courses in animal science which are offered 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 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 3020C 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)
- 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.

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.

Specific Requirements for Physical Therapy School

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

**Biology**
- BSC 2010, 2010L Biology I: Cellular Processes (3,1)
- BSC 2093 Human Anatomy and Physiology I (3)
- BSC 2094 Human Anatomy and Physiology II (3)
- OR
- BSC 2010, 2010L Biology I: Cellular Processes (3,1)
- BSC 2011, BSC 2011L Biology II: Diversity (3,1)
- Human Physiology with Lab (not offered at USF)

**Chemistry**
- CHM 2045, CHM 2045L General Chemistry I (3,1)
- CHM 2046, CHM 2046L General Chemistry II (3,1)

**Mathematics**
- STA 2023 Introductory Statistics (4)

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

**Psychology**
- PSY 2012 Psychological Science I (3)
- DEP 2004 Life Cycle (3)
- or Human Growth & Development course
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 studies at a university prior to application. Depending upon the professional school, additional science courses may be required or strongly recommended as indicated in the preceding sections. Exposure to a health profession is also strongly recommended.

Students who are admitted to an accredited U.S. medical or dental school after completing their junior year at the University of South Florida may be awarded the B.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:
   - **Biology**
     - BSC 2010, 2010L Biology I: Cellular Processes (3,1)
     - BSC 2011, 2011L Biology II: Diversity (3,1)
     - MCB 3030G General Microbiology (4)
   - **Plus** two of the following biology courses, including at least one with a laboratory (minimum 7 semester hours):
     - PCB 3023, 3023L Cell Biology (lab optional) (3-4)
     - PCB 3063, 3063L General Genetics (lab optional) (3-4)
     - MCB 4502 Virology (3)
     - MCB 4115 Determinative Bacteriology (5)
     - MCB 5815 Medical Mycology (3)
     - PCB 4064 Experimental Genetics (3)
     - PCB 4723 Animal Physiology (3)
     - PCB 4723L Animal Physiology Lab (1)
     - PCB 5235 Principles of Immunology (3)
     - ZOO 3323C Anatomy of Chordates (4)
     - ZOO 3713 Comparative Vertebrate Anatomy (4)
     - ZOO 4603 Animal Embryology (4)
     - ZOO 4753C Histology (4)
   - **Chemistry**
     - CHM 2045, 2045L General Chemistry I (3,1)
     - CHM 2046, 2046L General Chemistry II (3,1)
     - CHM 2210, 2210L Organic Chemistry I (3,2)
     - CHM 2211, 2211L Organic Chemistry II (3,2)
     - BCH 3023 Introductory Biochemistry (3)
   - **Physics**
     - PHY 2053, 2053L General Physics I (3,1)
     - PHY 2054, 2054L General Physics II (3,1)
   - **Mathematics**
     - MAC 2241, MAC 2311, or MAC 2281 Calculus (4,4,3)

Plus either the second semester of a calculus sequence or:
- STA 2023 Introductory Statistics I (4)

4. Completion of the University's General Education and Exit Requirements.
5. Completion of the last 30 hours prior to transfer to a medical or dental school in residence at the University of South Florida.
6. Application for the degree must be received no later than two years from the date of entrance into the professional school.

Students admitted to professional schools of veterinary medicine, optometry, or podiatric medicine prior to completion of their degree may also be able to transfer courses from the professional school and receive their bachelor's degree. However, approval of the courses to be transferred must be obtained on an individual basis from the College of Arts and Sciences, and in some cases it may be necessary for students to complete more than 90 hours prior to leaving the University of South Florida.

TEACHER EDUCATION PROGRAMS

The College of Arts and Sciences offers B.A. and M.A. degree programs for secondary school teachers and the M.A. degree for junior college teachers.

B.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 heading Department of Secondary Education for degree requirements.

DEPARTMENTS AND PROGRAMS

- **AFRICANA STUDIES (AFA)**

Africana Studies is a liberal arts program offering both a major and a minor. This program provides all students with the opportunity to study the history, culture, and lived experiences of people of African descent in the United States, Africa, the Caribbean, and elsewhere; study the influence of Africa and people of African descent on world and U.S. thought, culture, and politics; study the social construction and consequences of race and racism; develop needed critical thinking skills to address the often narrow and Eurocentric bias in the current knowledge base; and examine their personal experiences, prejudices, and possible contributions in a multi-racial, multi-cultural society.

Students who major or minor in Africana Studies have the option of emphasizing African American Studies (including the Caribbean), African Studies, or African and African Diaspora Studies. 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.
African American Studies

African Diaspora Studies. (21 credit hours)

Students are encouraged to complete the following prerequisites, or major elective courses if available, during the program of study at the community college, and when feasible, in General Education/Gordon Rule courses.

AFA 2000 Introduction to the Black Experience
  In Africa & Its Diaspora  3
AFS 2250 Culture and Society in Africa  3
AMH 3571 African-American History I  3
AMH 3572 African-American History II  3

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

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

Requirements for the Major in Africana Studies

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

Major requirements for the B.A. Degree (36 Credit Hours)

- AFA 2000 Introduction to the Black Experience in Africa and 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 Africana Studies (both). The requirements for the majors are as follows:

Major requirements for the B.A. Degree (36 Credit Hours)

- AFA 4931 Selected Topics in Africana Studies (1-3)
- AFA 4313 Black English (3)
- AFA 4331 Social Institutions and the African American Community (3)
- AFA 4335 Black Women in America (3)
- AFA 4500 Slavery in the Americas and Caribbean (3)
- AFA 4150 Africa and the United States (3)
- AMH 3572 African Amer History Since 1865 (3)
- AMS 3700 Racism in American Society (3)
- ANT 4340 The Caribbean (3)
- AML 3604 African American Literature (3)
- AML 4624 Black Women Writers (3)
- HUM 2420 Arts and Music of the African People (3)
- PHM 4120 Major Black Thinkers (3)

African American Studies (Suggested)

- AFA 4313 Black English (3)
- AFA 4331 Social Institutions and the African American Community (3)
- AFA 4335 Black Women in America (3)
- AFA 4500 Slavery in the Americas and Caribbean (3)
- AFA 4150 Africa and the United States (3)
- HUM 2420 Arts and Music of the African People (3)
- PHI 4073 African Philosophy (3)

Africana Studies (Suggested)

- AFA 4313 Black English (3)
- AFA 4331 Social Institutions and the African American Community (3)
- AFA 4335 Black Women in America (3)
- AFA 4500 Slavery in the Americas and Caribbean (3)
- AFA 4150 Africa and the United States (3)
- HUM 2420 Arts and Music of the African People (3)

Requirements for the Minor in Africana Studies

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

Minor Requirements (18 Hours) Three Options

**African Studies-Option I**

**Required Core Classes (9 Hours)**

- AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] (3)
- AFH 3100 African History To 1850 (3)
- AMH 3571 African American History To 1865 (3)
- AMH 3572 African American History Since 1865 (3)

**Elective Classes (Select 9 Hours)**

- AFA 4150 Africa And The United States (3)
- AFA 4335 Black Women In America (3)
- AFA 4331 Social Institutions And The African-American Community (3)
- AFA 4335 Black Women In America (3)
- AML 3604 African American Literature (3)
- CPO 4244 Government And Politics Of East, Central, And Southern Africa (3)
- HUM 2420 Arts And Music Of The African People (3)
- INR 4254 Africa In World Affairs (3)
- PHM 4120 Major Black Thinkers (3)

**African American Studies-Option II**

**Required Core Classes (9 Hours)**

- AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] (3)
- AMH 3571 African American History to 1865 (3)
- AMH 3572 African American History Since 1865 (3)

**Elective Classes (Select 9 Hours)**

- AFA 4150 Africa and The United States (3)
- AFA 4331 Social Institutions and the African American Community (3)
- AFA 4335 Black Women in America (3)
- AFS 3153 African Literature Survey (3)
- HUM 2420 Arts and the Music of the African People (3)
- PHM 4120 Major Black Thinkers (3)

**African Studies-Option III**

**Required Classes (9 Hours)**

- AFA 3100 African History to 1850 (3)
- AMH 3571 African American History to 1865 (3)
### 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 3101</td>
<td>Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Anthropological Linguistics</td>
<td></td>
</tr>
<tr>
<td>ANT 4034</td>
<td>Theories of Culture</td>
<td></td>
</tr>
<tr>
<td>ANT 4935</td>
<td>Rethinking Anthropology</td>
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</tbody>
</table>

#### Archaeology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 4142</td>
<td>Old World Archaeology</td>
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<tr>
<td>ANT 4143</td>
<td>European Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANT 4147</td>
<td>Environmental Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANT 4158</td>
<td>Florida Archaeology</td>
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<tr>
<td>ANT 4165</td>
<td>South American Archaeology</td>
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<tr>
<td>ANT 4163</td>
<td>Mesoamerican Archaeology</td>
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<tr>
<td>ANT 4172</td>
<td>Historical Archaeology</td>
<td></td>
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<tr>
<td>ANT 4180</td>
<td>Laboratory Methods in Archaeology</td>
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<tr>
<td>ANT 4181</td>
<td>Museum Methods</td>
<td></td>
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<tr>
<td>ANT 4183C</td>
<td>Archaeological Science</td>
<td></td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Archaeological Field Methods</td>
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</table>

#### Biological Anthropology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 4520</td>
<td>Forensic Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Prehistoric Human Evolution</td>
<td></td>
</tr>
<tr>
<td>ANT 4587</td>
<td>Human Variation</td>
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</tbody>
</table>

#### Anthropological Linguistics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 4620</td>
<td>Language and Culture</td>
<td></td>
</tr>
<tr>
<td>ANT 4750</td>
<td>Language and Social Interaction</td>
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</table>

#### Cultural Anthropology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 4231</td>
<td>Folklore</td>
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<tr>
<td>ANT 4241</td>
<td>Magic and Religion</td>
<td></td>
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<tr>
<td>ANT 4285</td>
<td>Oral History</td>
<td></td>
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<tr>
<td>ANT 4302</td>
<td>Gender in Cross-Cultural Perspective</td>
<td></td>
</tr>
<tr>
<td>ANT 4312</td>
<td>North American Indians</td>
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<tr>
<td>ANT 4316</td>
<td>Ethnic Diversity in the United States</td>
<td></td>
</tr>
<tr>
<td>ANT 4323</td>
<td>Mexico and Central America</td>
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<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
<td></td>
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<tr>
<td>ANT 4390</td>
<td>Visual Anthropology</td>
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<tr>
<td>ANT 4432</td>
<td>The Individual and Culture</td>
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<tr>
<td>ANT 4442</td>
<td>Urban Life and Culture</td>
<td></td>
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<tr>
<td>ANT 4462</td>
<td>Health, Illness, and Culture</td>
<td></td>
</tr>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
<td></td>
</tr>
<tr>
<td>ANT 4701</td>
<td>Applied Anthropology</td>
<td></td>
</tr>
<tr>
<td>URS 3002</td>
<td>Introduction to Urban Studies</td>
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</tr>
</tbody>
</table>

### 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.

### 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 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.

### Electives (Select 9 Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4150</td>
<td>Africa and the United States</td>
<td></td>
</tr>
<tr>
<td>AFA 4931</td>
<td>Selected Topics in Africana Studies</td>
<td></td>
</tr>
<tr>
<td>CPO 4244</td>
<td>Government and Politics of East, Central, and South</td>
<td></td>
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<tr>
<td>HUM 2420</td>
<td>Arts and Music of the African People</td>
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<tr>
<td>INR 4254</td>
<td>Africa in World Affairs</td>
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</tbody>
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### AMERICAN STUDIES (AMS/HUM)

- See “Humanities & American Studies.”

### ANTHROPOLOGY (ANT)

Anthropology aims at comprehending people as biologic 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 helps the student to adopt an intellectual posture of disciplined skepticism with respect to any scheme that purports to define and account for regularities in human life.

The Department of Anthropology is concerned with applying anthropological knowledge, theory, method, and perspectives to problems of contemporary society. Illustrative areas of activity include human services needs assessment, program planning and evaluation, public archaeology, social and environmental impact assessment, and public policy analysis.

In 1986 the department instituted an honors program to provide its best students with an opportunity to engage in a significant academic experience. Outstanding seniors may participate in a year-long course of study and original research in an area of their choosing under the guidance of a faculty mentor.

Students majoring in other fields may find anthropology coursework an exciting and valuable supplement to their primary academic interest. A minor in anthropology has been developed with this purpose in mind. The minor program is structured to allow the student maximum flexibility in course selection within a broadly defined progression of anthropological concerns. Thus, the student is able to tailor a minor in anthropology to best suit special wants and needs in the context of an overall curriculum.

For additional information about the department please visit our web site: [http://www.cas.usf.edu/anthropology/index.html](http://www.cas.usf.edu/anthropology/index.html)
Requirements for the Minor in Anthropology

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

1. 2000-level required core course (3 credit hours)
   ANT 2000 Introduction to Anthropology
2. Intermediate-level core courses (3-6 credit hours)
   ANT 2511 Biological Anthropology
   ANT 3101 Archaeology
   ANT 3610 Anthropological Linguistics
3. 4000-level elective courses (9-12 credit hours)

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.

• 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 science 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.

Requirements for Entrance into either the Biology or Microbiology Degrees

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, BSC X013
CHM 1045/1045L General Chemistry I (with lab)
  Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BSC X013
CHM 1046/1046L General Chemistry II (with lab)
CHM 2210/2210L Organic Chemistry I (with lab)
  Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
CHM 2211/2211L Organic Chemistry II (with lab)
  Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
MAC X311 Calculus I
  Acceptable substitutes: MAC 2233, MAC 2253, MAC X281
MAC X312 Calculus II
  Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2234, 2254, 3282

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

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)
   b. BSC 2011 Biology II Diversity (3)
   b. BSC 2011L Biology II Diversity Laboratory (1)
   c. PCB 3023 Cell Biology (3)
   PCB 3043 Principles of Ecology (3)
   c. PCB 3063 General Genetics (3)
   c. ONE of the following:
      PCB 3023L Cell Biology Laboratory (1)
      PCB 3043L Principles of Ecology Laboratory (1)
Students Transferring from a Community College

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.

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

#### Prerequisites (State Mandated Common Prerequisites)

- **PCS 2063L** General Genetics Laboratory (1)
  - **d.** ONE of the following (with laboratory):
    - BOT 3373C Vascular Plants: Form and Function (4)
    - MCB 3020C General Microbiology (4)
    - ZOO 3205C Advanced Invertebrate Zoology (4)
    - ZOO 3713C Comparative Vertebrate Anatomy (4)
    - ZOO 4603C Animal Embryology (4)
    - ZOO 4753C Histology (4)
  - **e.** ONE of the following (with laboratory):
    - MCB 4404 Microbial Physiology and Genetics (4)
    - PCB 4723 Animal Physiology (3)
  - **f.** The remaining credit hours to meet the minimum requirements must come from among structured departmental courses that are applicable to the major and BCH 3023. At least eight (8) of these credit hours must be at the 4000 level or higher.
  - **g.** A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.
  - **h.** A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.

- **2. Supporting Courses in the Natural Sciences—minimum 32 credit hours**
  - **a.** CHM 2045 General Chemistry I (3)
  - **b.** CHM 2210 Organic Chemistry I (3)
  - **c.** MAC 2241 Life Sciences Calculus I (4)
  - **d.** MAC 2242 Life Sciences Calculus II (4)
  - **OR**
    - **MAC 2281** Engineering Calculus I (4)
    - **MAC 2282** Engineering Calculus II (4)
  - **OR**
    - **MAC 2311** Calculus I (4)
    - **MAC 2312** Calculus II (4)
  - **OR**
    - **MAC 2241** Life Sciences Calculus I (4)
    - **MAC 2281** Engineering Calculus I (4)
    - **MAC 2282** Engineering Calculus II (4)
  - **d.** PHYS 2048 General Physics I (3)
  - **e.** PHYS 2048L General Physics I Laboratory (1)
  - **f.** PHYS 2049 General Physics II (3)
  - **g.** PHYS 2049L General Physics II Laboratory (1)
  - **OR**
    - ** PHYS 2053 General Physics (3)
    - **PHYS 2053L General Physics Laboratory (1)
    - **PHYS 2054 General Physics (3)
    - **PHYS 2054L General Physics Laboratory (1)
    - **PHYS 2054L General Physics Laboratory (1)
  - **3. Liberal Arts Courses—minimum 45 credit hours**
  - **4. Free Elective Courses needed to complete 120 credit hours**

#### 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)
  - **b.** BSC 2010L Biology I Cellular Processes Laboratory (1)
  - **c.** BSC 2011 Biology II Diversity (3)
  - **b.** BSC 2011L Biology II Diversity Laboratory (1)
  - **d.** PCB 3023 Cell Biology (3)
  - **e.** PCB 3043 Principles of Ecology (3)
  - **f.** PCB 3063 General Genetics (3)
  - **g.** ONE of the following:
    - **PCB 3263C Marine Biology (3)**
    - **PCB 3263C Marine Biology (3)**
  - **h.** ONE of the following:
    - **PHYS 2048 General Physics I (3)**
    - **PHYS 2048L General Physics I Laboratory (1)**
    - **PHYS 2049 General Physics II (3)**
    - **PHYS 2049L General Physics II Laboratory (1)**
  - **2. Supporting Courses in the Natural Sciences—minimum 32 credit hours**
  - **a.** MAC 2241 Life Sciences Calculus I (4)
  - **b.** MAC 2242 Life Sciences Calculus II (4)
  - **OR**
    - **MAC 2281** Engineering Calculus I (4)
    - **MAC 2282** Engineering Calculus II (4)
  - **OR**
    - **MAC 2311** Calculus I (4)
    - **MAC 2312** Calculus II (4)
  - **OR**
    - **MAC 2241** Life Sciences Calculus I (4)
    - **MAC 2281** Engineering Calculus I (4)
    - **MAC 2282** Engineering Calculus II (4)
  - **d.** PHYS 2048 General Physics I (3)
  - **e.** PHYS 2048L General Physics I Laboratory (1)
  - **f.** PHYS 2049 General Physics II (3)
  - **g.** PHYS 2049L General Physics II Laboratory (1)
  - **OR**
    - ** PHYS 2053 General Physics (3)
    - **PHYS 2053L General Physics Laboratory (1)
    - **PHYS 2054 General Physics (3)
    - **PHYS 2054L General Physics Laboratory (1)
    - **PHYS 2054L General Physics Laboratory (1)
  - **3. Liberal Arts Courses—minimum 45 credit hours**
  - **4. Free Elective Courses needed to complete 120 credit hours**

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.
PCB 4674 Organic Evolution
BOT 5185C Marine Botany
BSC 4933 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 2441 Life Sciences Calculus I (4)
and
MAC 2242 Life Sciences Calculus II (4)
 OR
MAC 2281 Engineering Calculus I (4)
and
MAC 2282 Engineering Calculus II (4)
 OR
MAC 2311 Calculus I (4)
and
MAC 2312 Calculus II (4)
 OR
MAC 2241 Life Sciences Calculus I (4)
and
STA 2023 Introductory Statistics I (4)
d. PHY 2048 General Physics I (3)
PHY 2048L General Physics I Laboratory (1)
PHY 2049 General Physics II (3)
PHY 2049L General Physics II Laboratory (1)
 OR
PHY 2053 General Physics (3)
PHY 2053L General Physics Laboratory (1)
PHY 2054 General Physics (3)
PHY 2054L General Physics Laboratory (1)

3. Liberal Arts Courses—minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.
5. Student applies to Marine Biology Program after meeting all entrance requirements of BIO major. In addition, a student must have a major GPA of at least 3.0 at the time of application and maintain a major GPA of at least 3.0 throughout the Program

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 X010/X010L Introduction to Biology I—Cellular Processes (with lab)
Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC X011/X011L Introduction to Biology II—Diversity (with lab)
Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM X045/X045L General Chemistry I (with lab)
CHM X046/X046L General Chemistry II (with lab)
CHM X210/X210L Organic Chemistry I (with lab)
Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent

CHM X211/X211L Organic Chemistry II (with lab)
Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
MAC X311 Calculus I
Acceptable substitutes: MAC 2233, MAC 2235, 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)
 BSC 2011 Biology II Diversity (3)
BSC 2011L Biology II Diversity Laboratory (1)
b. PCB 3023 Cell Biology (3)
PCB 3023L Cell Biology Laboratory (1)
PCB 3043 Principles of Ecology (3)
PCB 3063 General Genetics (3)
c. MCB 3020C General Microbiology (4)
MCB 4115 Determinative Bacteriology (5)
MCB 4404 Microbial Physiology and Genetics (4)
MCB 4404L Microbial Physiology and Genetics Laboratory (1)
d. Ten (10) hours from the following list:
BOT 4434C Mycology (3)
MCB 4502 Virology (3)
MCB 4910 Microbiology Undergraduate Research (1-4)
MCB 4934 Seminar in Microbiology (1)
MCB 5206 Public Health and Pathogenic Microbiology (3)
MCB 5600 Applied and Environmental Biology (3)
MCB 5815C Medical Mycology (3)
PCB 5235 Principles of Immunology (3)
ZOO 5325 Parasitology (3)
BCH 3023L Basic Biochemistry Laboratory (2)
e. A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) or Biology Honors Thesis (BSC 4970) may be applied.
f. A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.

2. Supporting Courses in the Natural Sciences—minimum 35 credit hours
a. CHM 2045 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 2441 Life Sciences Calculus I (4)
and
MAC 2242 Life Sciences Calculus II (4)
 OR
MAC 2281 Engineering Calculus I (4)
and
MAC 2282 Engineering Calculus II (4)
 OR
MAC 2311 Calculus I (4)
and
MAC 2312 Calculus II (4)
 OR
MAC 2241 Life Sciences Calculus I (4)
and
STA 2023 Introductory Statistics I (4)
d. PHY 2048 General Physics I (3)
PHY 2048L General Physics I Laboratory (1)

UNIVERSITY OF SOUTH FLORIDA - 2003/2004 UNDERGRADUATE CATALOG
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, biomedicine, research and clinical practice, environmental activities, materials science, law, business and other professions. The Bachelor of Science is particularly designed for students wishing to continue with graduate training in chemistry and closely-allied disciplines and graduates are certified for membership in the American Chemical Society. The Bachelor of Arts provides opportunities for curricula individually tailored to meet many career objectives.

General Requirements for the Majors in Chemistry

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

A grade of C or better is required in each chemistry course and each supporting course specified for a chemistry degree. All courses in a chemistry program must be taken with letter grades (A, B, C, D, F, I) except those courses which are graded S/U only. (D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.)

Biology Honors Program

The Biology Honors Program is a program that provides a challenging and enriching program for highly motivated students. Students must major in Biology, and they begin taking courses together upon entry to USF. They are admitted to the program at the end of their second semester. Criteria include a minimum 3.5 GPA. The program provides a research experience in a Biology Faculty laboratory. (http://www.cas.usf.edu/biology/index.html), and requires a written thesis. A Research Seminar is presented by the student.

Year 1

BSC 2010 Biology I with lab - Honors section 4
(Chem 2045 Pre- or Co-requisite)
BSC 2111 Biology II with lab - Honors section 4
BSC 2932 Selected Topics - Honors Seminar I - Introduction to Biology Research 1

Year 2

BSC 2932 Selected Topics - Honors Seminar II - Philosophy/Ethics 3
BSC 2932 Selected Topics - Honors Seminar III - Scientific Approaches 3

Year 3

BSC 4910 Undergraduate Research - Biology Faculty Member's Laboratory 2

Year 4

BSC 4910 Undergraduate Research 2
BSC 4933 Selected Topics - Honors Seminar IV - Biology Department Seminar 1

Credits: 8 beyond normal Biology degree (4 research credits can count towards total of 40 Biology credits). 2 beyond University Honors (HS II and HS III & Research counts toward University Honors).

- 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. The Bachelor of Arts in Chemistry is also offered with an emphasis in Biochemistry or an emphasis for Health Professions. Each of the graduate degrees offers specialization in the areas of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry. 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.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. These include two semesters each of General Chemistry lecture and lab, Organic Chemistry lecture and lab, Calculus, and General Physics lecture and lab. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

CHMX045, X045L General Chemistry I (with lab)
CHM 1040, 1041, or 1045C, or 1045E
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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
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<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry I</td>
<td>4</td>
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<td>CHM 3120L</td>
<td>Elementary Analytical Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 3160</td>
<td>Intermediate Inorganic Chemistry I</td>
<td>3</td>
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<tr>
<td>CHM 3160L</td>
<td>Intermediate Inorganic Chemistry I Lab</td>
<td>1</td>
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### Required Chemistry Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 4060</td>
<td>Use of the Chemical Literature</td>
<td>1</td>
</tr>
<tr>
<td>CHM 4070</td>
<td>Selected Topics in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4301</td>
<td>Biomolecules I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4302</td>
<td>Historical Perspectives in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4932</td>
<td>Fundamentals of Clinical Chem.</td>
<td>3</td>
</tr>
</tbody>
</table>

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

### Required Supporting Courses

- Minimum of 9 hrs. selected from the following:
  - CHM 3120C
  - CHM 3120L
  - CHM 3160
  - CHM 3160L
  - CHM 3400
  - CHM 3401
  - CHM 3402
  - CHM 3610
  - CHM 3610L

### Required Supporting Courses (22-24 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<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>
<td>4</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>Gen Physics I or PHY 2048C, or PHY 2053C</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>Gen Physics II or PHY 2049C, or PHY 2054C</td>
<td>3</td>
</tr>
</tbody>
</table>

*Content varies each semester.*

### BA in Chemistry, emphasis for Health Professions (CHM)

A chemistry core is essential for preparation for medical, dental, veterinarian and other health-related professions. The B.A. in Chemistry includes this core as well as the flexibility to incorporate the other science courses required for admission to programs in the health professions. The course of study outlined below incorporates the goals for health-related careers. Prerequisites are included in the list below.

### Required Chemistry Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BCH 3023</td>
<td>Introductory Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BCH 3023L</td>
<td>Basic Biochemistry Lab</td>
<td>2</td>
</tr>
<tr>
<td>BCH 4034</td>
<td>Advanced Biochemistry</td>
<td>3</td>
</tr>
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</table>

### Required Supporting Courses (30 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus I or MAC 2281 Eng Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus II or MAC 2282 Eng Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>Gen Physics I or PHY 2048C, or PHY 2053C</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>Gen Physics II or PHY 2049C, or PHY 2054C</td>
<td>3</td>
</tr>
</tbody>
</table>

Other suggested electives important for advanced studies in biochemistry: CHM 4932*, CHM 4070, PCB 3063, PCB 5235, PCB5525, STA2023, MCB3020, MCB4502, PCB4253, PCB 5845, EVR 2001.

*Content varies each semester.*
Required Chemistry Electives (9 credit hours)

- BCH 3023L Basic Biochemistry Lab (2)
- BCH 4034 Advanced Biochemistry (3)
- CHM 3400 Elementary Physical Chemistry I* (3)
- CHM 3401 Elementary Physical Chemistry II* (3)
- CHM 3610 Intermediate Inorganic Chemistry* (3)
- CHM 3610IL Intermediate Inorganic Chem Lab* (3)
- CHM 4060 Use of the Chemical Literature (1)
- CHM 4070 Historical Perspectives in Chemistry (3)

Other suggested electives important for advanced studies in health professional vocations: BSC 2111, PCB 3063, PCB 5365, STA 2023, MCB 3020, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*, PCB 4723, PCB 5525, STA 2023, MCB 3020, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*.

*Content varies each semester.

Required Supporting Courses (22-24 credit hours)

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 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 2111, PCB 3063, PCB 5365, STA 2023, MCB 3020, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*, PCB 4723, PCB 5525, STA 2023, MCB 3020, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932*.

*Content varies each semester.

BS in Chemistry (CHS)

The Bachelor of Science in Chemistry is a rigorous program that supplies the foundation in chemistry required for both the student who begins a chemical vocation immediately upon graduation as well as the one who pursues advanced study in chemistry or related areas. In accord with this goal, the curriculum for the B.S. degree in Chemistry meets the requirements for degree certification by the American Chemical Society. Because of the strong base developed in this curriculum, the B.S. in Chemistry also provides entry into other chemistry-related advanced studies. Prerequisites are included in the list below.

Required Chemistry Courses (50 credit hours)

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 3023 Introductory Biochemistry (3)
CHM 3120C Elementary Analytical Chemistry I (4)
CHM 3610 Intermediate Inorganic Chemistry I (3)
CHM 3610L Intermediate Inorganic Chem. I Lab (1)
CHM 4060 Use of the Chemical Literature (1)
CHM 4130C Methods of Instrumental Analysis (4)
CHM 4131C Methods of Chemical Investigation (4)
CHM 4410 Physical Chemistry I (3)
CHM 4411 Physical Chemistry II (3)
CHM 4412 Physical Chemistry III (3)
CHM 4611 Advanced Inorganic Chemistry (3)

Required Supporting Courses (20-23 credit hours)

MAC 2311 (4) or MAC 2281 (3)
MAC 2312 (4) or MAC 2282 (3)
MAC 2313 (4) or MAC 2283 (3)
PHY 2048 (3) or PHY 2049 (3)
PHY 2048L (1) or PHY 2049L (1)

Required natural science or engin. elective (3-6 hours)

1 - 3000 level course (PHY 3101, MAP 4302 suggested) or
2 - 2000 level courses (BSC 2110, BSC 2111, GY 2110, GY 2100, EVR 2001, CGS 2060, CGS 2100, EGN 2210)

MINOR IN CHEMISTRY

Minimum of 24 total hours. Students apply for a minor when submitting a graduation application (i.e., there is no need to “declare” a minor).

Interdisciplinary Natural Sciences majors with an emphasis in Health Professions (INH) are not eligible for the minor in Chemistry.

Required Chemistry Courses (14 credit hours)

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)

OR

CHM 4932 Selected Topics in Chemistry (1)

Chemistry Electives (Minimum 10 hours)

Choose 10 hours of structured classes, applicable to the major. Chemistry courses used to satisfy a major requirement cannot be used toward a minor in Chemistry.

Interdisciplinary Natural Sciences majors with an emphasis in Health Professions (INH) are not eligible for the minor in Chemistry.

NOTE: In all laboratory classes the lecture is PR/CR.

BCH 3023 Introductory Biochemistry (3)
BCH 3023L Basic Biochemistry Lab (2)
CHM 2211L Organic Chemistry Lab (2)
CHM 3120C Elementary Analytical Chemistry (2)
CHM 3610 Intermediate Inorganic Chemistry (3)
CHM 3610L Intermediate Inorganic Chem. Lab (1)
CHM 3400 Elementary Physical Chemistry (3)
CHM 4300 Biocatalysis (6)
CHM 4932 Selected Topics in Chemistry* (1-3)
CHS 4300 Fund. Clinical Chemistry (3)

*Note: CHM 4932 content varies each semester. Recent topics include: Chemical Archaeology, Applied Spectroscopy, NMR, Toxic Substances, Antibiotics, Analytical Environmental Methods, Chemistry of Materials, Polymer Chemistry, Spectroscopy, & Computer in Chemistry.

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.

• 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

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

**Interpersonal and Organizational Communication**

- SPC 3120
- COM 3014
- COM 4020

**Public and Cultural Communication**

- COM 4030
- COM 4022
- SPC 3212
- SPC 3425
- SPC 4305

IV. Departmental Electives (12 hours)

Students must take twelve additional hours of elective coursework in the Department of Communication at the 3000-level or higher, which must include at least six hours from outside the student's "area of concentration."

The following three classes count as electives outside the area of concentration for everyone (regardless of the concentration chosen):

- COM 3122 Interview Communication
- SPC 3601 Advanced Public Speaking
- SPC 4930 Selected Topics Course (titles and topics vary each semester)

Communication Honors Program

The Honors Program in Communication provides an opportunity for exceptional undergraduate students in Communication to work closely with a faculty member in an intensive research experience. Each Honors student is required to complete and defend an undergraduate Honors Thesis. Application to the program ordinarily occurs during the second semester of the junior year or prior to completion of 90 semester hours. Admission to the program is based on the student's overall academic record, performance in communication courses, and recommendations of faculty. To be admitted to the program, a student should have at least a 3.5 GPA in all communication courses and a 3.0 cumulative GPA. Students are required to complete 3 hours of Honors Reading and 3 hours of Honors Thesis. Students interested in the Honors Program should consult the department for further information about admission and program requirements.

Requirements for the Minor in Communication

The minor in Communication is available to students pursuing any other major at USF. The minor in Communication requires a minimum of 18 hours of departmental coursework, including:

- SPC 2600 Public Speaking (3)
- COM 2000 Introduction to Communication (3)

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

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

The undergraduate program in Communication Sciences and Disorders (CSD) offers three curriculum concentrations that lead to the B.A. degree. 1) The undergraduate concentration in Speech-Language-Hearing Science (LSH) provides pre-professional study that prepares the student for Master's level preparation in Speech-Language Pathology, 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 setting with students who require assistance with educational skills due to their hearing impairment or deafness. Students interested in these concentrations should contact the Department of 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) 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. ANTH 2000 Introduction to Anthropology**

**II. PSY 2012 Psychological Science I**

or

**SYG 2000 Introduction to Sociology**

**III. And each of the following:**

**BSC 1085 Human Anatomy & Physiology I**

**BSC 1085L Human Anatomy & Physiology I Lab**

**BSC 1086 Human Anatomy & Physiology II**

**BSC 1086L Human Anatomy & Physiology II Lab**

**SPC 3212 SPC 3425 SPC 4305**

**COM 3122 COM 4710 SPC 4305**

**BSC 1085 Human Anatomy & Physiology I**

**BSC 1085L Human Anatomy & Physiology I Lab**

**BSC 1086 Human Anatomy & Physiology II**

**BSC 1086L Human Anatomy & Physiology II Lab**

**COM 3122 COM 4710 SPC 4305**
or equivalent work such as:
BSC 2093 Human Anatomy & Physiology I 5
BSC 2094 Human Anatomy & Physiology II 5
STA 2122 Social Science Statistics 3
(or equivalent)

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 recom-
mended.

There are no State Mandated Common Prerequisites for
the 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 recom-
mended.

Students are encouraged to join the USF chapter of the
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 stu-
dents at the University of South Florida. Prior to beginning
coursework in the junior year in the department, students
should complete general education requirements, and have
achieved 60 semester hours of coursework. Students with
advising concerns relative to their first 60 semester hours are
encouraged to meet with undergraduate departmental advi-
sors since required and recommended courses for admission
into the LSH or DST concentration will also meet other
university requirements.

B. Prerequisites for Admission

1. Required Courses
   - BSC 1085 Human Anatomy and Physiology I
   - BSC 1085L Human Anatomy and Physiology I Lab
   - BSC 1086 Human Anatomy and Physiology II
   - BSC 1086L Human Anatomy and Physiology II Lab
   - or
   - BSC 2093 Human Anatomy & Physiology I
   - BSC 2094 Human Anatomy & Physiology II

Courses in this category must be completed with a mini-

mum grade of “C.”

2. Recommended Courses
   - LIN 3010 or LIN 3801 or CGS 2060

C. Other Requirements for the LSH Degree (min. 9 cr.
hrs.)

1. Required Courses
   - 3 credit hours - see major advisor
2. STA 2122 (3) or equivalent
3. Additional Courses (3 credit hours)
   - CYSG 2000 or ANT 2000 or PSY 2012 or equivalent

D. Speech-Language-Hearing Concentration (LSH) (min.
39 credit hours)

Coursework is sequenced for the LSH concentration in
Speech-Language-Hearing Science. All students must com-
plete study in basic knowledge of the communication sci-
ences and in basic knowledge of communication disorders.
Upon admission to the concentration, each student will be
assigned an advisor to provide guidance in academic plan-
ning.

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 educa-
tion 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 employ-
ment in the public school system for Speech-Language
Pathologists is the Master’s degree.

E. Deaf Studies Concentration (DST)(min. 30 credit
hours)

New students are not being admitted to the DST Major for
the 2003/2004 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 essen-
tial for the provision of social services. This DST concentra-
tion 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 admis-
sion into the M.S. programs in Speech-Language Pathology
or Deaf Education, nor the Doctor of Audiology Program.

Those students choosing to become teachers of the deaf
must pursue the LSH concentration in Speech-Language-
Hearing Science and obtain the M.S. degree in Aural Reha-
bitilation/Deaf Education.

General admission requirements and recommendations
for DST are identical to the LSH concentration in Speech-
Language-Hearing Science. The specific course of study for
the DST concentration also assumes that the student has
completed an A.A. degree or its equivalency. Upon admission
to the concentration, each student will be assigned an advisor
for the purpose of academic planning. The following courses
are included in the major:

- SPA 3002 (3)
- SPA 3310 (3)
- SPA 4614 (4)
- SPA 3004 (3)
- SPA 3612 (4)
- SPA 4617 (3)
- SPA 3030 (3)
- SPA 4613 (4)
- SPA 4632 (3)
- Other electives (6).

F. Interpreter Training Concentration (ITT)

The ITT concentration seeks to educate students to be-
come interpreters for deaf individuals. A program of 56-59
credit hours is planned for the student majoring in the Inter-
preter Training concentration. Course content is distributed
across five categories of information and skills necessary for
a career in interpreting:

1. Role of the Interpreter in various settings
2. Cognitive, Psychosocial, and Language Development of
   Hearing and Deaf Children in Public Schools
3. Techniques and Applications of Interpreting
4. Professional Practices of the Interpreter
5. Internship

General education requirements as well as liberal arts exit
requirements for ITT are identical to those for DST and LSH
concentrations. The specific course of study for the ITT
concentration assumes that the student has completed an
A.A. degree in Interpreter Training or its equivalent. Addition-
ally, prerequisites include proficiency in ASL signing and
interpreting skills. Upon admission to the concentration,
each student will be assigned an advisor for the purpose of
academic planning. Interested students should contact the
coordinator of the Interpreter Training Program in the Depart-
ment.

Prerequisites for Admission

Required Courses

- SPA 3612C Basic American Sign Language
- SPA 4613C Intermediate American Sign Language
3. Students transferring credit hours toward a minor must complete 2 credits in level courses that pertain to the major, complete 2 credits in Communication Sciences and Disorders regardless of the number of credit hours transferred.

A minor must include these four courses:

- SPA 4614C Advanced American Sign Language
- SPA 4626 Fundamentals of Fingerspelling
- SPA 4617 Structure of Sign Language
- SPA 4632 Nature and Needs of the Deaf and Hard of Hearing

The following courses are included in the major:

- EDF 3214 or DEP 3103 (3)
- EDF 3604 (3) EEX 4070 (2-3) ISS 3010 (3)
- SPA 3004 (3) SPA 4617 (4) SPA 4663 (3)
- SPA 3660 (3) SPA 4652 (3) SPA 4663L (1)
- SPA 3660L (1) SPA 4662 (3) SPA 4685 (4)
- SPA 3673 (3) SPA 4662L (1) SPA 4930 (3)
- SPA 4930 (3)

Minimum Grade for Majors

A student must receive a "C" grade or better in all courses within the major and those that are required prerequisites. Any student who receives a grade of "D" or lower in more than two USF Communication Sciences and Disorders courses will be automatically barred from continuing as an undergraduate major in LSH, DST, or ITT. Grade forgiveness may be used for two courses only and may be used only for course work taken in the first year of study. Courses that comprise the second year of the major may not be repeated.

Honors Program

The Honors Program in Communication Sciences and Disorders (LSH, ITT) provides outstanding undergraduates with advanced, individualized training in their areas of interest as well as additional research training. Admission to the Honors Program requires the student to submit evidence of (1) having completed 70 hours of college level course work with a 3.25 average or better, (2) 9 credit hours within the Communication Sciences and Disorders (CSD) curriculum with at least a 3.5 average in these courses, and (3) a letter of recommendation from a CSD faculty member. After acceptance to the Honors Program, the student will complete the requirements for the major with a GPA above 3.5 for courses taken within the department and an overall GPA above 3.25. The Honors Student will complete 6 credit hours in advanced level courses that pertain to the major, complete 2 credits in Honors Colloquia and write an Honors Thesis.

Requirements for the Minor in American Sign Language

Students seeking a minor in American Sign Language must complete a minimum of 17-18 credits:

1. A minor must include these four courses:
   - SPA 3612C Basic ASL
   - SPA 4613C Intermediate ASL
   - SPA 4614C Advanced ASL
   - SPA 4632 Nature and Needs of the Deaf and Hard of Hearing

   OR
   - SPA 3663 American Deaf Culture

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 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 study 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.

Transfer students should be aware that by university regulation they are obligated to establish academic residency by completing the equivalent of one academic year (30 semester hours) in “on-campus” courses. All undergraduate transfer students electing Criminology as their major will be required, moreover, to take a minimum of 30 credit hours in major coursework at the University of South Florida. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Requirements for the Major in Criminology

A minimum of 36 semester hours is required of all undergraduate majors in Criminology including:

1. Each of the following core courses:
   - CCJ 3024 (3)*
   - CCJ 3610 (3)*
   - CCJ 3701 (3)**
   - CCJ 4934 (3)

2. At least two of the following substantive courses:
   - CJL 3110 (3)
   - CJ 4114 (3)
   - CJL 4410 (3)
   - CJ 4010 (3)

3. 18 semester hours of electives within the major.

* These are gateway courses and are required for all other coursework in the major or minor; therefore, they need to be taken first.

** Students who plan to continue on to graduate school must also take CCJ 4700 as one of their electives within the major.

NOTE: No more than six (6) hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major.

These residence requirements are designed to ensure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.
Any student who receives a grade of "D" or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

Requirements for the Minor in Criminology
The Department of Criminology offers a minor in Criminology. The minor consists of:

1. Two required courses:
   - CCJ 3024 (3)  CCJ 3610 (3)
2. The selection of four of the following 3 hour courses for a total of 18 semester hours:
   - CJC 3110  CCJ 3621
   - CJE 4114  CJL 4410
   - CJC 4010  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
- ECO X023 Economic Principles: Microeconomics
- or ECO XXXX and ECO XXXX

Coursework in the Economics Major:
A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 33 credits in Economics in addition to college requirements. The 33 credits must include:
- ECO 2013 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- ECO 3101 Intermediate Price Theory (3)
- ECO 3203 Intermediate Macroeconomics (3)
- ECO 4935 Economic Statistics or QMB 3200 Business and Economics Statistics II (3)

Economics electives numbered 3000 or higher (18)

- ECO 3100 Managerial Economics, may be substituted for ECO 3101. Students may not take both ECO 3100 and ECO 3101 for credit.

Either ECO 1000 (if taken before both ECO 2013 and ECO 2023) or QMB 2100 (if taken as a prerequisite to QMB 3200) may be substituted for a maximum of 3 hours of upper level elective credit.

Students must obtain a grade of "C" or higher in ECO 3101 or ECO 3100 in order to enroll in any course for which ECO 3101 or ECO 3100 is a prerequisite. At least 9 of the 18 hours of upper level economics electives must be in courses for which either ECO 3101, ECO 3100 or ECO 3203 is a prerequisite.
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 otherwise stated, a grade of “C” is the minimum acceptable grade.

- ENL 1101 Composition I
- ENL 1102 Composition II
- ENL 2011 American Literature 1616-1780

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 2020 American History II
- EEU 2021 Medieval History I
- EEU 2022 Medieval History II

Upper-level coursework in the English Major:
The program in English provides three areas of specialization (divided into three degree-options below):

**English and American literature** - The primary mission of the literature option is to provide a solid foundation in the study of British and American literature. The program also offers courses in other world literatures in translation, cultural studies, feminist and ethnic studies, and both traditional and more recent critical approaches.

**Creative writing** - The creative writing option includes training in writing fiction and poetry and 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

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
   - **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
     - ENL 4261 Literature of the South
     - AML 4330 Selected American Authors
   - **Group C**
     - 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
   - **Group D**
     - 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

4. 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

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.

**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.
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:
     ENC 2210 Technical Writing
     ENC 3213 Professional Writing
     ENC 3310 Expository Writing
     ENC 4260 Advanced Technical Writing
     ENC 4311 Advanced Composition
     ENC 4931 Selected Topics in Professional and Technical Writing

2. Literature requirements:
   - The student must select seven literature courses from those listed in OPTION I. Two courses must be from Group 1, four courses from Group 2, and one course from Group 3 and/or Group 4.

Requirements for the Minor in English

ENGLISH AND AMERICAN LITERATURE MINOR (15 HOURS)

1. One of the following:
   - AML 3031 American Literature to 1860
   - AML 3032 American Literature 1860-1912
   - AML 3051 American Literature 1912-1945

2. Two of the following:
   - ENL 3015 British Literature to 1616
   - ENL 3230 British Literature 1616-1780
   - ENL 3251 British Literature 1780-1900
   - 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, ENG, 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 3213 Professional Writing
   - ENC 3310 Expository Writing
   - ENC 4311 Advanced Composition

2. One AML or ENL course listed in OPTION I.

ENGLISH HONORS PROGRAM

The Department of English Honors Program will provide a carefully selected group of seniors with opportunities for advanced scholarship:
A. Closer contact with faculty tutors than students in the regular major program;
B. An opportunity to work and exchange ideas in the stimulating environment of a small group of fellow students with similar aims and abilities;
C. An opportunity to develop individual initiative and sophisticated critical skills;

The English Honors Program will benefit those interested in graduate work, advanced professional study, or greater intellectual challenges.

Admissions Criteria

Students may apply for the program after completing 80 hours of course work (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;
   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. Students completing the Bachelor of Science (B.S.) in Environmental Science and Policy have found employment with government agencies (city, county, state, and federal), private industry, and non-profit organizations. Examples of careers include field scientist, research scientist, policy analyst, lobbyist, conservationist, and educator. Some also go on to attend graduate or law school.

The 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 politics and policy, statistics and physical science (either geology or physics). In addition, majors take 6-7 courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take 2 semesters of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and 4 electives within designated categories. Finally, all majors must complete an upper division seminar and an internship or project. The Program Advisor advises ESP majors.

### Requirements for the Major in Environmental Science and Policy

#### Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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.

- BSC 2010, 2010L & BSC 2011, 2011L Biology I and II with Lab 8
- and CHM 2045 & CHM 2045L General Chemistry & Lab 4
- CHM 2046 & CHM 2046L General Chemistry II & Lab 4
- plus STA 2023 Statistics 3
- One approved Geology or Physics Course with Lab 4

The calculus sequence is only required for students pursuing the ESP-Science concentration.

- MAC 2241 & MAC 2242 Life Sciences Calculus 4
- or MAC 2281 & MAC 2282 Engineering Calculus 4
- or MAC 2311 & MAC 2312 Calculus 3

All students majoring in Environmental Science and Policy are required to see the advisor each semester prior to registration for the following term. Students who are eligible for an internship must see the internship coordinator four weeks prior to the beginning of the semester in which they will complete the internship.

### REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS

- EVR 2001 Intro to Environmental Science
- EVR 2001L Intro to Environmental Science Lab
- EVR 2861 Intro to Environmental Policy
- EVR 4921 ESP Seminar
- EVR 4910 ESP Project
- or EVR 4940 ESP Internship
- BSC 2010 Biology I
- BSC 2010L Biology Lab I
- BSC 2011 Biology II
- BSC 2011L Biology Lab II
- CHM 2045 General Chemistry I
- CHM 2045L Chemistry Lab I
- CHM 2046 General Chemistry II
- CHM 2046L Chemistry Lab II
- PUP 4203 Environmental Politics and Policy
- PHI 3640 Environmental Ethics

#### Statistics

- STA 2023 Introductory Statistics
- or QMB 2100 Business and Economic Statistics
- or EGN 3443 Engineering Statistics

#### Geology or Physics

- GLY 2010 Dynamic Earth
- GLY 2015L Essentials of Geology Lab
- or GLY 2100 Historical Geology
- GLY 2015L Essentials of Geology Lab
- or PHY 2048 General Physics
- PHY 2048L General Physics Lab
- or PHY 2053 General Physics
- PHY 2053L General Physics Lab

#### Science Track

- MAC 2241 Life Sciences Calculus I
- MAC 2242 Life Sciences Calculus II
- or MAC 2281 Engineering Calculus I
- MAC 2282 Engineering Calculus II
- or MAC 2311 Calculus I
- MAC 2312 Calculus II
- and CHM 2210 Organic Chemistry
- CHM 2210L Organic Chemistry Lab

#### Policy Track

- ECP 3302 Environmental Economics
- POS 3697 Environmental Law

#### Science Track

- MAC 2241 and MAC 2242 OR MAC 2281 and MAC 2282 OR MAC 2311 and MAC 2312 and CHM 2210 and CHM 2210L plus 4 electives from one of the following tracks: Restoration, Water Quality, Environmental Monitoring or Marine Resources. Please contact the Program office for a current list of electives under these categories.
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, of which must be completed at USF. The minor in Environmental Policy consists of the following program outline:

Required core courses:
- EVP 2001 Introduction to Environmental Science
- EVP 2001L Introduction to Environmental Science Lab
- EVP 2861 Introduction to Environmental Policy

Three of the following four courses:
- PUP 4203 Environmental Politics and Policy
- PHI 3640 Environmental Ethics
- ECO 3300 Environmental Economics (prerequisite: ECO 2023 Microeconomics)
- POS 3697 Environmental Law

And one 3-4 credit course from the following list, with prior approval from an ESP advisor:
- ANT 4199 Environmental Archaeology
- BSC 4057 Environmental Issues
- ECP 3613 Economics of the Urban Environment
- EDF 3228 Human Behavior & Environmental Selection
- EVR 4930 Selected Topics in Environmental Policy
- GEO 4340 Natural Hazards
- HIS 4936 Seminar in Environmental History
- IDS 3180 Science and Ethics of Disease
- WST 3225 Women, Environment and Gender

- GEOGRAPHY (GPY)

The degree program in Geography consists of 10 courses (41 hours total), 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 core 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 3184G Quantitative Methods
- GEO 4933 Geography Colloquium

GEA XXXX One course with GEA prefix

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, of which may be outside of their track. If more than 1 course is taken outside of the track, 1 of them must be a techniques (elective) course. The following list designates supporting courses by track (or elective technique).

Urban Track Courses:
- GEO 3602 Urban Geography
- GEO 4502 Economic Geography
- GEO 4604 Advanced Urban Geography
- GEO 4700 Transportation Geography
- GEO 4470 Political Geography
- URP 4052 Urban and Regional Planning
- GEO 4421 Cultural Geography
- GEO 4340 Natural Hazards

Environmental Track Courses:
- GEO 4201C Advanced Physical Geography
- GEO 4210 Process Geomorphology
- GEO 4280C Hydrology
- GEO 4340 Natural Hazards
- GEO 4372 Global Conservation
- MET 4002 Climatology
- MET 4010C Meteorology
- GEO 4300 Biogeography
- GEO 4244 Tropical Meteorology

Techniques Courses (electives):
- GEO 4114C Geographic Techniques and Methodology
- GEO 4131C Remote Sensing of the Environment
- GEO 4151C Geographic Information Systems (GIS)

Courses Excluded as Electives for the major:
- GEO 1930 Geography of Current Events
- GEO 2371 Earth System Science

Only 1 combined hour of the following courses may be applied toward the degree:
- GEO 4900 Directed Reading
- GEO 4910 Individual Research

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:

EXCLUDED:
- 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)
   2. PHY 2053 and 2053L, PHY 2054 and 2054L, PHY 2048 and 2048L, PHY 2049 and 2049L
   b. Junior-level sequence (28 hours):
      - GLY 3111C 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 The Solid Earth: Plate Tectonics and Earth Structure (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)
      - GLY 4921 Geocommunications (3)
      - GLY 494XL Practical and Applied Geology (6)

2. Supporting Courses for the B.A. Degree (24 hours):
   a. One course chosen from GLY 2010, GLY 2030, GLY 2038, GLY 2040, and OCE 2001 (3)
   b. PHY 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 PHY 2015L, as this course will greatly facilitate success in the upper-level offerings.

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. PHY 2015L (1)
   b. Junior-level sequence (28 hours):
      - GLY 3111C 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 The Solid Earth: Plate Tectonics and Earth Structure (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)
      - GLY 4921 Geocommunications (3)
      - GLY 494XL Practical and Applied Geology (6)

2. Supporting Courses for the BS Degree (28 hours):
   - MAC 2281, MAC 2282 (recommended) or MAC 2311, MAC 2312
   - BSC 2010, 2010L
   - 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.

Requirements for the Major in Gerontology (B.S.)
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, X013, X014, X040, X023, or X024. There are no other common prerequisites for the Gerontology program leading to the Bachelor of Arts degree.

Requirements for the Major in Gerontology (B.A.)
The Bachelor of Arts Degree in Gerontology entails 36 semester hours of required course work. In this program the course of study is intended to provide students with a liberal education in gerontology and some exposure to the various career opportunities in the field of aging. This degree is especially appropriate for students who plan to pursue graduate or professional work in gerontology, or some other field, or who plan to work with older adults in careers in areas such as case management, social services, or activity therapy. 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 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 21 additional elective hours, which may include field placement. Students should meet frequently with the departmental advisor to plan courses and field work that will prepare the student for career goals.

Requirements for the Major in Gerontology (B.S.)
The Bachelor of Science Degree in Gerontology is a 39 semester hour specialist degree which, in addition to providing students with a basic education in gerontology, is intended to prepare them for entry level positions in Nursing Home Administration. It is especially appropriate for students who intend to begin working immediately following completion of the degree program. 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 4641 Death and Dying (3)
- GEY 4945 Field Placement (9)

Students also complete the following fifteen (12) hours of prerequisites: ACG 2021, ACG 2071, CGS 2100, and GEY 2000.

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 particular international themes or topics, or (c) the study of bilingual or who are already conversationally fluent or who can complete one course 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:

- INR 3003 Introduction to International Studies (3)
- INR 3081 International Issues and Actors (3)
- INR 3038 International Wealth and Power - SS (3)
- INR 4936 Senior Seminar - MW (3)

Plus one topical and one area studies course chosen from the INT upper division electives.

It is recommended that the student complete INR 3003 before taking INR 3081.

The additional 19 hours may be selected from elective courses from within the International Studies Program or from course offerings of other departments, which are approved by the major advisor as having adequate international or cross-cultural content.

With the approval of the major advisor, credits earned in INR 4900 (1-3) and INR 4910 (1-3) may be used to augment or substitute for the foregoing requirements. Students are encouraged, but not required, to engage in study abroad programs, a large number of which have been approved by the USF International Affairs Center. Credits earned in such programs apply toward graduation and may also apply to the INT major. A limited number of internships in the Tampa Bay area are available to provide students with real-world experience while earning credits in the major. Also, USF is affiliated with The Washington Center, an internship program in the nation’s capital.

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 transfer 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 Major in International Studies

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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.
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 credit hours)

CPO 2002 Introduction to Comparative Politics (3)

or

INR 2002 Introduction to International Relations (3)

and

POS 2041 American National Government (3)

POS 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 POT 3003 and POS 3713 by the end of their junior year; students transferring with 45 credit hours or more must complete these courses within their first two semesters in residence at USF. A grade of "C" or better is required in all core courses.

Students must choose electives from the seven fields (24 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 4035 (3) INR 4502 (3)

INR 3336 (3) INR 4254 (3) INR 4334 (3)

INR 5086 (3)

Field IV American National and State Governments

POS 2080 (3) POS 3273 (3) POS 4413 (3)

POS 2112 (3) POS 3453 (3) POS 4242 (3)

POS 3173 (3) POS 4204 (3) POS 5094 (3)

POS 3182 (3) PUP 4323 (3)

Field V Urban Government and Politics

POS 3142 (3) POS 4165 (3) URP 4050 (3)

POS 3145 (3) POS 5155 (3) PUP 4534 (3)

Field VI Public Policy

INR 3102 (3) INR 4334 (3) POS 3145 (3)

PUP 4002 (3) PUP 4007 (3) PUP 4203 (3)

PUP 4323 (3) PUP 4534 (3) PUP 5607 (3)

URP 4050 (3)

Field VII Law and Politics

INR 4403 (3) POS 3691 (3) POS 4624 (3)

POS 3283 (3) POS 4614 (3) POS 4693 (3)

POS 4694 (3)

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

PAD 3003 (3) PAD 4036 (3) PAD 4204 (3)

POS 4941 (3-15) POS 4905 (1-3) POS 4970 (3)

POS 4910 (1-3) POS 3931 (3) POT 4109 (3)

POT 4661 (3) POT 4936 (3)

Requirements for the Minor in Political Science

A minor in political science requires the completion of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POS 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.

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:

1. a thesis proposal must be approved by the student’s major professor before s/he begins writing;
2. students need two academic advisors who must approve the final version of the thesis;
3. students will publicly present their thesis and provide a copy of it to the department after the final draft has been approved;
4. 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 during the program of study at the community college, and prerequisites, or major, support, or elective courses if available, this degree program.

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 pre-requisites, 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:

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<th>Course Title</th>
<th>Credit Hours</th>
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<td>AMH 2010</td>
<td>American History I</td>
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<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>(3)</td>
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<td>ENC 3310</td>
<td>Expository Writing</td>
<td>(3)</td>
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<tr>
<td>EUH 1000</td>
<td>World Civilization I</td>
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<td>EUH 1101</td>
<td>World Civilization II</td>
<td>(3)</td>
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<td>POS 2112</td>
<td>State and Local Government</td>
<td>(3)</td>
</tr>
<tr>
<td>SPC 2600</td>
<td>Public Speaking</td>
<td>(3)</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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>INR 2002</td>
<td>Introduction to International Relations</td>
<td>(3)</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Introduction to Comparative Politics</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 3102</td>
<td>American Foreign Policy</td>
<td>(3)</td>
</tr>
</tbody>
</table>

In addition, Political Science offers the following upper-level courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4034</td>
<td>Politics of Developing Areas</td>
<td>(3)</td>
</tr>
<tr>
<td>CPO 4930</td>
<td>Comparative Politics of Selected Areas</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 4334</td>
<td>Defense Policy</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations</td>
<td>(3)</td>
</tr>
<tr>
<td>CPO 5934</td>
<td>Selected Topics in Comparative Politics</td>
<td>(3)</td>
</tr>
<tr>
<td>INR 5086</td>
<td>Issues in International Relations</td>
<td>(3)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Introduction to Public Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations and Public Policy</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Public Financial Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 4419</td>
<td>Personnel and Supervision in Today's Organizations</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Managing Information Resources in the Public Sector</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 4930</td>
<td>Selected Topics in Public Administration and Public Policy</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5035</td>
<td>Issues in Public Administration and Public Policy</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5044</td>
<td>Environment of Public Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5333</td>
<td>Concepts and Issues in Public Planning</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5605</td>
<td>Administrative Law and Regulation</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5700</td>
<td>Research Methods in Public Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5807</td>
<td>Urban and Local Government Administra tion</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5836</td>
<td>Comparative Public Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>POS 5159</td>
<td>Urban Policy Analysis</td>
<td>(3)</td>
</tr>
</tbody>
</table>

An undergraduate minor in Public Administration has recently been approved. For further information, please contact the Public Administration Program.

Requirements for the Minor in Public Administration

The minor in Public Administration consists of 15 credit hours.

<table>
<thead>
<tr>
<th>Required Public Administration Courses</th>
<th>(12 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Introduction to Public Administration</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Public Financial Administration</td>
</tr>
<tr>
<td>PAD 4419</td>
<td>Personnel and Supervision for Today's Organizations</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Managing Information Resources in the Public Sector</td>
</tr>
</tbody>
</table>

Public Administration Electives | (3)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4930</td>
<td>Selected Topics in Public Administration and Public Policy</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5605</td>
<td>Administrative Law and Regulation</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5807</td>
<td>Urban and Local Government Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5835</td>
<td>Urban Policy Analysis</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5044</td>
<td>Environment of Public Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>PAD 5853</td>
<td>Comparative Public Administration</td>
<td>(3)</td>
</tr>
</tbody>
</table>

...
• HISTORY (HTY)

The discipline of history embraces a diverse world of ideas, peoples, and events. Our faculty seeks 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 our students to move beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis. Accomplished history majors are attractive to all kinds of employers in any number of fields, as well as to graduate and professional schools.

Requirements for the Major in History

A minimum of 32 semester hours is required for a major in history. A minimum grade of “C” or better must be attained in each course counted toward the 32-hour requirement. However, grades of “D” or “F” in history coursework will be included in calculations toward the major GPA unless the course is retaken under the grade forgiveness policy.

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 at a community college planning to transfer to USF and major in history are encouraged to complete as many of the lower level requirements as possible at the community college level. Courses that fulfill the General Education/Gordon Rule requirement would be especially valuable. The minimum acceptable grade for courses being transferred for history department credit is a “C.” If these courses have not been completed satisfactorily upon enrolling at USF, they must be taken before the degree is granted.

Lower-level Course Requirements for the Major

A minimum of 12 hours of 2000 level courses, or their equivalent, constitute the lower level requirements. Two of these courses must be sequential. Students may choose from introductory courses in the fields of Ancient, Medieval, Modern European, or American history to fulfill this two-course sequence. The remaining hourly requirements may be filled by taking any of the other 2000 level history courses.

Upper-level Course Requirements for the Major

A minimum of 20 hours of course work from the 3000-4000 level is required to fulfill the 32-hour minimum requirement. Two of these courses, the Pro-Seminar and the Theory of History courses are required for all majors. These courses may only be taken in the last two semesters prior to graduation and may not be taken during the same semester. The remaining 12 hours of credit may be chosen from the department offerings each semester. It is recommended that history majors take ENC 3310, “Expository Writing,” SPC 2600, “Public Speaking,” and LIS 2937, “Library/Internet Research Skills.” Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Art History, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Religious Studies, 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 6 hours must be completed at the University of South Florida and the student must maintain a 2.0 GPA in the minor. A minimum grade of “C” or better must be attained in each course. One lower-level sequence is required, earning 6 credit hours. The department will supervise certification of the minor. Students interested in a minor in history are encouraged to see to 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 minor field credit.

• HUMANITIES & AMERICAN STUDIES (HUM/AMS)

The Department of Humanities and American Studies offers students a choice of two undergraduate degrees, one in Humanities and one in American Studies. Students may also minor in each area. For more specific details, students are advised to consult the description of each specific program below.

HUMANITIES (HUM)

The Humanities Program offers an interdisciplinary curriculum that investigates the visual arts, music, literature, and the cultures from which they emerge.

Requirements for the Major in Humanities

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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 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.

1. Humanities (HUM 2000-level courses) (3-6)
2. Creative Writing courses (CRW courses) (3-6)
3. Introductory courses in applied and non-applied Fine Arts (ART, MUS) (6)
4. Literature in Translation (RUT, CLT courses) (3-6)
5. Social Science (AMH, EUH courses) (6)

Course Requirements for the Humanities Major

1. HUM 2211 (Studies in Culture: the Ancient through the Medieval Periods) and HUM 2243 (Studies in Culture: the Renaissance through the Twentieth Century), six credit hours
Requirements for the Minor in American Studies

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 also may 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.

AMH 2010 American History I (3)
AMH 2020 American History II (3)
ENC 1101 Composition I (3)
ENC 1102 Composition II (3)
POS 2041 American National Government (3)

Course Requirements for the American Studies Major

36 credit hours, distributed as follows:
1. One 2000-level survey course, either AMS 2201 (Colonial American Culture), AMS 2212 (Nineteenth-Century American Culture) or AMS 2270 (Twentieth-Century American Culture). 3 credits.
2. AMS 2030 (Introduction to American Studies). 3 credits
3. One additional 3000-level period course (e.g. AMS 3230, AMS 3001, AMS 3260). 4 credits.
4. One 3000- or 4000-level regions or genre course (e.g. AMS 3210, AMS 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 also may 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.

Biology I and Biology II (BSC 2010, 2010L, BSC 2111, 2111L) 8
Calculus (MAC 2241, MAC 2242 or MAC 2311, MAC 2312) 6-8
General Chemistry (CHM 2041, CHM 2045L, CHM 2046, CHM 2046L) 8
Organic Chemistry (CHM 2210, CHM 2210L, CHM 2211, CHM 2211L) 8
General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or 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

### Health Professions Track

The Interdisciplinary Natural Science Degree Health Professions track (INH) is designed to fulfill the major requirements for 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 attain 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 2111 Biology II - Diversity (3)
- BSC 2111L Biology II Lab (1)
- MCB 3020C General Microbiology (4)

**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 2211 Organic Chemistry II (3)
- CHM 2211L Organic Chemistry II Lab (1)
- BCH 3023 Introductory Biochemistry (3)

**Mathematics:**
- MAC 2241 Life Sciences Calculus I (4)
- MAC 2242 Life Sciences Calculus II (4)

**Physics:**
- PHY 2053 General Physics I (3)
- PHY 2053L General Physics I Lab (1)
- PHY 2054 General Physics II (3)
- PHY 2054L General Physics II Lab (1)
- *Students may substitute Human Anatomy or Physiology I and II (BSC 2093 & 2094) for Physics I & II

#### Required Biology Electives:

- 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)
- PCB 5235L Principles of Immunology Lab (1)
- CHM 3120C Elem. Analytical Chemistry (4)
- CHM 3120L Elem. Analytical Chemistry Lab (1)
- CHS 4300 Clinical Chemistry (3)
- CHS 4301L Clinical Chemistry Lab (2)
- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- MCB 4115C Determinative Bacteriology (5)
- MCB 4404 Microbial Phys/Genetics (4)
- MCB 4404L Microbial Phys/Genetics Lab (1)
- MCB 4404 Microbial Physiology and Genetics Lab (1)
- MCB 5815 Medical Mycology (3)
- MCB 5815L Medical Mycology Lab (1)
- MCB 4502 Virology (3)
- MCB 4502L Virology Lab (1)
- PCB 5235 Principles of Immunology (3)
- PCB 5235L Principles of Immunology Lab (1)
- CHS 4300 Clinical Chemistry (3)
- CHS 4301L Clinical Chemistry Lab (2)
- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- MCB 4115C Determinative Bacteriology (5)
- MCB 4404 Microbial Phys/Genetics (4)
- MCB 4404L Microbial Phys/Genetics Lab (1)
- MCB 4404 Microbial Physiology and Genetics Lab (1)
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- MCB 5815L Medical Mycology Lab (1)
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- MCB 4502L Virology Lab (1)
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- PCB 5235L Principles of Immunology Lab (1)
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- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- MCB 4115C Determinative Bacteriology (5)
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- MCB 4404L Microbial Phys/Genetics Lab (1)
- MCB 4404 Microbial Physiology and Genetics Lab (1)
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- MCB 4502L Virology Lab (1)
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- PCB 5235L Principles of Immunology Lab (1)
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- CHS 4301L Clinical Chemistry Lab (2)
- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- MCB 4115C Determinative Bacteriology (5)
- MCB 4404 Microbial Phys/Genetics (4)
- MCB 4404L Microbial Phys/Genetics Lab (1)
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- MCB 5815L Medical Mycology Lab (1)
- MCB 4502 Virology (3)
- MCB 4502L Virology Lab (1)
- PCB 5235 Principles of Immunology (3)
- PCB 5235L Principles of Immunology Lab (1)
- CHS 4300 Clinical Chemistry (3)
- CHS 4301L Clinical Chemistry Lab (2)
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- HSC 4554 Survey of Human Disease (3)
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- MCB 4404 Microbial Physiology and Genetics Lab (1)
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- MCB 5815L Medical Mycology Lab (1)
- MCB 4502 Virology (3)
- MCB 4502L Virology Lab (1)
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- PCB 5235L Principles of Immunology Lab (1)
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- MCB 4502L Virology Lab (1)
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- PCB 5235L Principles of Immunology Lab (1)
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- CHS 4301L Clinical Chemistry Lab (2)
- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- MCB 4115C Determinative Bacteriology (5)
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- MCB 4404L Microbial Phys/Genetics Lab (1)
- MCB 4404 Microbial Physiology and Genetics Lab (1)
- MCB 5815 Medical Mycology (3)
- MCB 5815L Medical Mycology Lab (1)
- MCB 4502 Virology (3)
- MCB 4502L Virology Lab (1)
- PCB 5235 Principles of Immunology (3)
- PCB 5235L Principles of Immunology Lab (1)

At least 12 hours of upper division required 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.
The ISS student chooses between two cognate areas and
requirements. 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience (In Africa and Its Diaspora)</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Economic Principles (Macroeconomics)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Economic Principles (Microeconomics)</td>
<td>3</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>World Regional Geography</td>
<td>4</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

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 QM (3)
2. The ISS student chooses between two cognate areas and completes twelve hours in each. Twenty available cognates (listed below) range from Africana Studies, to 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 year, particularly before too many courses are completed in the College of Arts and Sciences. No student should assume that courses already completed in CAS will automatically count toward the ISS degree.
4. The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.
5. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.
6. ISS majors must satisfy two semesters of a foreign language in order to graduate.
7. Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.2, developed with the approval of the advisor. This course of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

No 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 listed below:
- AFA, ANT, CCJ, ECN, EVR, 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. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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 courses 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 courses that will prepare them to access and evaluate these information resources. Topics taught in these courses include using the modern, increasingly electronic library and the Internet to meet academic professional, and personal information needs; and designing websites that meet professional standards.

The School’s faculty will advise 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 a strong introduction to professional skills with the theoretical orientation.

 Majors seeking careers in the mass media will be directed to the various media in close contact with the School for summer internships, practice 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).

**Requirements for the Major in Mass Communications**

To be admitted to the core curriculum in Mass Communications, students must have completed general education requirements or a minimum of 45 hours with a 2.75 minimum Overall Grade Point Average, including 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 bothMMC 2100 and MMC 3602 will be disallowed as majors in the School. A 2.5 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than “C” in any Mass Communications course.

The Mass Communications major requires six hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of a combination of required and selective sequence courses for a total of 37 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC 2100) are a part of the graduation requirement. Mass Communications majors are required to take a minimum of 80 hours in courses outside the journalism and mass communications areas, with no fewer than 65 hours in the basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the School 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 addition, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

At least twenty-two (22) hours of resident School courses are required. All material submitted by students as assignments in writing, reporting, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The School uses a variety of print and electronic media outlets.

Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement. Most Mass Communications courses have prerequisites as specified in the course description (these prerequisites are separate from the State Mandated Common Prerequisites for program admission listed below). Refer to each prerequisite listed to determine progressive prerequisites for each course. Students also should note that the Mass Communications major is a four-semester program at a minimum and the majority of courses are offered only during the day.

**Prerequisites (State Mandated Common Prerequisites)**

This is a limited access program. Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>MMC 3602</td>
<td>Mass Communications and Society</td>
<td>3</td>
</tr>
<tr>
<td>MMC 2100</td>
<td>Writing for Mass Media</td>
<td>3</td>
</tr>
</tbody>
</table>
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 2.75
overall GPA, and pass a School-administered English Diag-
nostic Test.
A maximum of nine semester hours in Mass Communi-
cations courses will be accepted from a community college or
other lower-level program toward a degree in Mass Commu-
nications. 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 Communi-
cations Major

**SCHOOL CORE CURRICULUM**
- MMC 2100 Writing for the Mass Media
- MMC 3602 Mass Comm and Society

**SEQUENCE REQUIREMENTS**

1. **ADVERTISING** Requirements
   - ADV 3000 Introduction to Advertising
   - ADV 3101 Advertising Copywriting
   - ADV 3300 Advertising Media Strategy
   - ADV 3501 Advertising Research
   - ADV 4800 Advertising Campaigns
   - ADV 4940 Advertising Practicum
   - MMC 4203 Media Ethics
   - Selective Requirements (12 hours required, selected with
     advisor's approval)

   **Other Requirements:**
   - The following courses are required outside the School to complete sequence requirements:
     - ECO 1000 Basic Economics
     - LIS 2937 Library and Internet Research Skills
     - MAR 3023 Basic Marketing
   - See specific courses for prerequisites.

2. **JOURNALISM** Requirements
   - **News-Editorial Option**
     - JOU 2100 Beginning Reporting
     - JOU 3101 Advanced Reporting
     - JOU 4181 Public Affairs Reporting
     - JOU 4200 News Editing I
     - MMC 4200 Communications Law
     - MMC 4203 Media Ethics
     - JOU 4206 Newspaper and News Publication Design
     - or
     - PGY 3610 Photojournalism I
     - Selective Requirements (10 hours required, selected with
       advisor's approval)

   **Other Requirements:**
   - The following courses are required outside the School to complete sequence requirements:
     - ECO 1000 Basic Economics
     - SYG 2010 Contemporary Social Problems
   - See specific courses for prerequisites.

3. **PUBLIC RELATIONS** Requirements
   - ADV 3000 Introduction to Advertising
   - JOU 2100 Beginning Reporting
   - MMC 4200 Communications Law
   - or
   - MMC 4203 Media Ethics
   - PUR 3000 Principles of Public Relations
   - PUR 3500 Public Relations Research
   - PUR 4100 Writing for Public Relations
   - PUR 4101 Public Relations Design and Production
   - PUR 4801 Advanced Public Relations
   - Selective Requirements (4 hours required, selected with
     advisor's approval)

   **Other Requirements:**
   - The following courses are required outside the School to complete sequence requirements:
     - ECO 1000 Basic Economics
     - SYG 2010 Contemporary Social Problems
   - See specific courses for prerequisites.

4. **TELECOMMUNICATIONS** Requirements
   - JOU 4101 Public Affairs Reporting
   - MMC 4200 Communications Law
   - MMC 4420 Research Methods
   - RTV 3001 Introduction to Telecommunications
   - RTV 3301 Broadcast News
   - RTV 4304 TV News
   - RTV 4320 Electronic Field Production
   - Selective Requirements (9 hours required, selected with
     advisor's approval)

   **Other Requirements:**
   - The following courses are required outside the School to complete sequence requirements:
     - PHI 1103 Critical Thinking
     - POS 2041 American National Government
Requirements for the Minor in Mass Communications

The minor in Mass Communications is available to students pursuing any other major at USF. Students who wish to minor must apply for admission to the School of Mass Communications and must meet all admission standards required of majors. Please see “Requirements for the Major in Mass Communications” for more admission information.

The minor in Mass Communications requires a minimum of 18 hours of School coursework, including:

- MMC 2100 (3)  
- MMC 3602 (3)

The other 12 hours may be selected from among School offerings and must include a minimum of 9 hours at the 3000-level or higher. All major course prerequisites must be met. A grade of “D” or “F” will not be counted toward a mass communications minor and a 2.5 grade point average in all minor coursework must be maintained. All minor hours must be completed at USF.

• MATHEMATICS (MTH)

The Department of Mathematics offers a diversity of courses designed not only to enable the student to pursue a profession in mathematics itself, but also to enhance the student’s competence in the fields of engineering, the physical sciences, the life sciences, and the social sciences. The department offers programs leading to the B.A., M.A., and Ph.D. degrees. The undergraduate program emphasizes the broad nature of modern mathematics and its close associations with the real world. The program is designed to prepare students for entry into graduate school or careers in industry or secondary education.

The Department of Mathematics consists of 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.

- MAC X311 Calculus I (4)
- MAC X312 Calculus II (4)
- MAC X313 Calculus III (4)
- MGF 3301 Bridge to Abstract Mathematics (4)
- MAS 3105 Linear Algebra (4)

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 credit hours):
   - MAC 2311 Calculus I (4)
   - MAC 2312 Calculus II (4)
   - MAC 2313 Calculus III (4)
   - MGF 3301 Bridge to Abstract Mathematics (4)
   - MAS 3105 Linear Algebra (4)

   Analysis Requirement. Majors must complete one of the following two courses (4 credit hours):
   - MAA 4211 Intermediate Analysis I (4)
   - MAS 4156 Vector Calculus (4)

   Majors who complete both MAA 4211 and MAS 4156 may count one of these towards the Elective Requirement below.

   Elective Requirement. Majors must complete seven courses from the following electives (Minimum 21 credit hours):
   - COP 4313 Symbolic Computations in Mathematics (3)
   - MAA 4211 Intermediate Analysis I (4)
   - MAA 4212 Intermediate Analysis II (3)
   - MAA 4402 Complex Variables (3)
   - MAD 4401 Numerical Analysis (3)
   - MAD 4504 Theory of Computation (3)
   - MAD 5305 Introduction to Graph Theory (3)
   - MAP 2302 Differential Equations (3)
   - MAP 5345 Applied Partial Differential Equations (3)
   - MAP 5407 Methods of Applied Mathematics (3)
   - MAS 4156 Vector Calculus (4)
   - MAS 4301 Elementary Abstract Algebra (3)
   - MAS 5215 Number Theory (3)
   - MAT 4970 Mathematics Senior Thesis (3)
   - MGF 4403 Early History of Mathematics (3)
Special Notes. Majors who complete both MATH 4403 and MATH 4406 may count only one of these towards the Elective Requirement above.

MAT 4930, Selected Topics in Mathematics, or 5000-level mathematics courses may be taken as electives, with the approval of the Undergraduate Advisor.

One or two courses from another department which are of high mathematical content may also be taken as electives, with the approval of the Undergraduate Advisor and the Chairman.

Majors wishing to take a course in statistics should first take STA 4442 and then STA 4321.

Majors wishing to continue towards a graduate degree in mathematics should take MATH 4301 and MATH 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 USF transcript of the student’s work.

Students are eligible for admission to the program when they

1. have completed MAS 4301, Elementary Abstract Algebra, and
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 MATH 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 students who wish to obtain a solid background in high school mathematics and the ability to handle a fast-paced, challenging program leading to a BA and MA degree in mathematics in four to five years.

The program meets all the requirements for the BA degree, but requires the student to take those graduate level courses required for the MA degree during the last two years in the program. Up to 20 hours of graduate courses may be counted towards the MA degree as well as the BA degree, but not towards the undergraduate major (that is, as free electives).

For admission to the program, a student must

1. have completed at least 30 hours of college credit including 8 hours of 3000-level or above mathematics courses,
2. have at least a 3.0 grade point average for all college courses, and
3. have at least a 3.5 grade point average for all mathematics courses taken at the 3000-level or above.

To apply for admission, send a letter to the Chair of the Department of Mathematics stating your qualifications and desire to enter the program. An important benefit of this program is that a student is eligible to apply for a graduate teaching assistantship once he or she has completed the undergraduate mathematics major courses. To plan your program, see the Undergraduate Advisor in Mathematics.

Requirements for the Minor in Mathematics

The minor in mathematics is open to all students. Students with majors in the sciences, engineering, business, and the social sciences are particularly encouraged to pursue the minor. A student wishing to receive a minor in mathematics must meet the following course requirements (minimum of 26 credit hours):

1. Required Courses (20 credit hours)

   Either
   
   MAC 2311 Calculus I (4)
   MAC 2312 Calculus II (4)
   MAC 2313 Calculus III (4)

   Or
   
   MAT 2281 Engineering Calculus I (4)
   MAT 2282 Engineering Calculus II (4)
   MAT 2283 Engineering Calculus III (4)

   Also, both of the following:
   
   MGF 3301 Bridge to Abstract Mathematics (4)
   MAS 3105 Linear Algebra (4)

2. Elective Courses (Min. 6 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 2233, MAC 2241, MAC 2242, MAC 2281, MAC 2282, MAC 2283, MAC 2311, MAC 2312, MAC 2313, MAC 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 alternate degree. Generally hospitals require a minimum GPA of 2.5, and our students admitted to clinical programs in recent years have had a mean GPA of about 3.0.

All courses required for admission to the clinical program must be completed prior to beginning the clinical year. These requirements include:
1. A minimum of 90 semester hours (excluding physical education.)
2. All university Liberal Arts requirements.
3. Writing and computation requirements for 6A-10.30.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a "C" or higher in each course.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A student who transfers 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.

1) General Biology I with lab (4)
   (e.g. MSC1010C, MSC1011C, MSC1010/1010L, MSC1011/1011L, BSC2010/2010L, PCB2111C, PCB2112/2112L, PCB2113/2113L, BSC2111/2111L, ZOO2100, ZOO2100L)
2) Human Anatomy and Physiology I with lab (4)
   (e.g. BSC2093/2093L, BSC2093C, BSC2093L, BSC2093C, BSC2093L, BSC2093C, BSC2093L, ZOO2101, ZOO2101L, BSC2010/2010L, ZOO2100, ZOO2100L)
3) Human Anatomy and Physiology II with lab (4)
   (e.g. BSC2093/2093L, BSC2093C, BSC2093L, BSC2093C, BSC2093L, BSC2093C, BSC2093L, ZOO2101, ZOO2101L, BSC2010/2010L, ZOO2100, ZOO2100L)
4) General Microbiology with lab (4)
   (e.g. MCB2010/2010L, MCB2010C, MCB2010L, ZOO2101, ZOO2101L, BSC2010/2010L, ZOO2100, ZOO2100L)
5) General Chemistry I with lab (4)
   (e.g. CHM1045/1045L, CHM1045C, CHM1045L, ZOO2101, ZOO2101L, BSC2010/2010L, ZOO2100, ZOO2100L)
6) General Chemistry II with lab (4)
   (e.g. CHM1046/1046L, CHM1046C, CHM1046L, ZOO2101, ZOO2101L, BSC2010/2010L, ZOO2100, ZOO2100L)
7) Organic Chemistry I with lab (4)
   (e.g. CHM2210C, CHM2212L, CHM2210/2210L, CHM2210C, CHM2212L)
8) Organic Chemistry II with lab (4)
   (e.g. CHM2211/2211L, CHM2211/2211L, CHM2211C, ZOO2101, ZOO2101L, BSC2010/2010L, CHM2210/2210L, CHM2210C, ZOO2100, ZOO2100L)
9) Statistics (3-4)
   (e.g. STA2037, STA2040, STA2023, STA2024)

Students should carefully follow all prerequisite requirements for individual courses. The USF courses recommended to meet the state mandated prerequisites as listed above are:

- General Biology I with lab (BSC 2010,2010L) (4)
- Human Anatomy and Physiology I with lab (BSC 2093 or BSC 2093C) (4)
- General Biology II with lab (BSC 2011,2011L) (4)
- General Microbiology with lab (MCB 2010C) (4)
- General Chemistry I with lab (CHM 2045,2045L) (4)
- General Chemistry II with lab (CHM 2045,2045L) (4)
- Organic Chemistry I with lab (CHM 2210,2210L) (4-5)
- Organic Chemistry II with lab (CHM 2211,2211L) (4)
- Statistics (STA 2023) (4)

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:
- College Algebra (MAC 1105, MAC 1140, or MAC 1147) (3-4)
- Cell Biology with lab (PCB 3023,L) (4)
- Immunology (PCB 5235 or PHC 6511 or equivalent) (3)
- Determinative Bacteriology with lab (MCB 4115) (5)
- Biochemistry (BCH 3023) (3)

Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January or February. During this clinical training, the student will continue to be registered as a full-time student of the university and will receive a total of 30 credit hours of work in:

- MLS 4031 Introduction to Medical Technology
- MLS 4861 Clinical Immunology
- MLS 4863 Clinical Microbiology
- MLS 4865 Clinical Immunohematology
- MLS 4860 Clinical Urinalysis and Body Fluid
- MLS 4852 Clinical Hematology
- MLS 4864 Clinical Chemistry
- MLS 4866 Clinical Laboratory Management and Education

These courses, listed under "Interdisciplinary Arts and Sciences," will be taught at the hospital. A "C" or higher must be earned in each course. Students successfully completing this program will be granted a Bachelor of Science degree in Medical Technology.

**PHILOSOPHY (PHI)**

**Recommended Prerequisites (State Mandated Prerequisites)**

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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:

- PHH 3062 History of Philosophy: Ancient and Medieval
- PHH 3400 History of Philosophy: Modern
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:

- PHI 2101 Introduction to Formal Logic
- PHI 3062 History of Philosophy: Ancient and Medieval
- PHI 3400 History of Philosophy: Modern
- PHI 4600 Contemporary Philosophy
- PHI 4440 Continental Philosophy
- PHH 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
   - PHI 3400 History of Philosophy: Modern
   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.

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 complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.

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 1045E
CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E

Students must complete the prerequisite courses listed below prior to enrolling in upper-division courses as a major. Unless stated otherwise, a grade of "C-" is the minimum acceptable grade.
Coursework for Majors in Physics

1. Physics Courses

B.A. PHYSICS (PHY) (34 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<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>PHY 2049 General Physics II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 2049L General Physics II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 3101 Modern Physics</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3221 Mechanics I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3822L Intermediate Lab</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3323C Electricity and Magnetism I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4222 Mechanics II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4930 Undergraduate Seminar</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 4324C Electricity and Magnetism II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4910 Undergraduate Research</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 4823L Advanced Laboratory</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4604 Intro. to Quantum Mechanics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

B.S. PHYSICS (44 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<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>PHY 2049 General Physics II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 2049L General Physics II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 3101 Modern Physics</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3221 Mechanics I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3822L Intermediate Lab</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3323C Electricity and Magnetism I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4222 Mechanics II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4930 Undergraduate Seminar</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 4324C Electricity and Magnetism II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 4910 Undergraduate Research</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 4823L Advanced Laboratory</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Plus 9 credit hours of Physics electives subject to approval of undergraduate advisor.

2. Required Supporting Courses in Natural Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045 General Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2045L General Chemistry I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>CHM 2046 General Chemistry II</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 2046L General Chemistry II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>MAC 2311 or 2281 Calculus I</td>
<td>(4)</td>
</tr>
<tr>
<td>MAC 2312 or 2282 Calculus II</td>
<td>(4)</td>
</tr>
<tr>
<td>MAC 2313 or 2283 Calculus III</td>
<td>(4)</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>(3)</td>
</tr>
</tbody>
</table>

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.

Requirements for the Minor in Physics

A minor in Physics consists of 19 credit hours which includes:

- Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 or 2053 General Physics I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 2048L or 2053L General Physics I Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 2049 or 2054 General Physics II</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 2049L or 2054L General Physics II Lab</td>
<td>(1)</td>
</tr>
<tr>
<td>PHY 3101 Modern Physics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

- Elective Courses (Pick from list below) (8 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3221 Mechanics I</td>
<td>(3)</td>
</tr>
<tr>
<td>PHY 3323C Electricity and Magnetism I</td>
<td>(4)</td>
</tr>
<tr>
<td>PHY 4604 Intro. Quantum Mechanics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

- Required Supporting Courses

Correct prerequisites for any course required.

Planned Minor in BioMedical Physics

The physics department has applied to the university for permission to award a Minor in BioMedical Physics. This will include general physics and courses on applications of physics to biology and medicine. Interested students should check the physics web site for more information.

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

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 course listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

PSY X012 Introduction to Psychology and any other lower level Psychology course within the Psychology inventory

STA XXXX Any level Statistics course (X000 - X099)

BSC XXXX Any level General Biology course or BSC X200-X209, or ZOO X010

Majors must complete at least 34 semester hours in the field. A minimum grade of “C” or better must be attained in each
course in the major, except for PSY 3044 and PSY 3213, where a C or better is required. Although a C- is allowable for individual courses, a major GPA of 2.0 minimum is required for graduation. All majors must complete:

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 4423 Tests and Measures
     - PSY 4205 Experimental Design and Analysis
     - or another methods course approved by the undergraduate advisor in Psychology.
3. 4000 Level Requirement (21 semester hours)
   - 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 4103C 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 in the Applied Behavior Analysis program.

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 Associate Behavior Analysis. Detailed information regarding the program and the admission process may be obtained from the undergraduate advisor or the program secretary.

PSYCHOLOGY HONORS PROGRAM

The purpose of the Honors Program is to provide a select group of undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the second semester of the student’s junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student’s overall academic record, performance in psychology courses, and a letter of recommendation from a member of the Psychology Department faculty. Successful completion of the program requires a GPA of 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 43 hours in Psychology including PSY 4932, 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)**

**Five Year Masters Program**

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. An undergraduate major is not required. Students admitted through the five-year program (REF) must have completed 90 semester hours of work 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 at the start of their sophomore year. Applications for the five-year program are available from the Department. GRE scores and three letters of recommendation must be received before any application is processed.

**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.
### Requirements for the Major in Religious Studies

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

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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.

The three required courses must be taken in the sequence given above.

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.
The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

The secondary objectives of the B.S.W. program are to:
1. Provide for the social work human resources needs of the university service district (the central Florida west coast area), the State of Florida, and the Southeast Region;
2. Prepare graduates for additional professional training at the graduate level in social work or in related human service professions;
3. Provide an exposure to social work as a profession and to contemporary issues in the social welfare field.

In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of various methods of intervention and skills in their application to a variety of client systems. For example, interventive methods may take the form of individual and group counseling, resource development, consultation, teaching, advocacy, etc. Client systems may be individuals, families, groups, organizations, or communities. The student will develop an understanding of the dynamics of human behavior in individual, group, and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and the social, economic, and political processes affecting policy development and program implementation. The student will develop an understanding of the utilization of basic social research skills partially related to the processes of problem-solving, planning, and evaluation.

The student will also become aware of the value base of the profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one's obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Students may apply for admission to the School for the B.S.W. program after having satisfied the admission criteria described below. However, the completion of the prerequisites does not guarantee the student's admission to the program. Limited state funding places constraints on the size of the social work faculty and in order to maintain a high quality of instruction, it is necessary to achieve an appropriate faculty-student ratio. This means that it may be necessary to deny full admission to the B.S.W. program solely on the basis of no available space. Any student applying for full admission to the program should be aware of this possibility.

A student must maintain a GPA of 2.75 minimum in social work courses while enrolled in the program and demonstrate behaviors that are congruent with professional standards and values as described above in order to proceed in the major. Any student who fails to maintain at least a 2.75 GPA in the social work major and/or demonstrates behaviors that are incongruent with the standards and values of the profession may not proceed in the major. 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 political science, biology, economics, psychology and sociology (see specific requirements below) may declare a social work major. At this stage, students may file a declaration of major form with the College of Arts and Sciences, 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.
7. 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. All Sciences courses must also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

If possible, students enrolled in community colleges should take their college equivalents of common prerequisite courses (P) and cross-cultural provisional course (P*) before entering USF. All courses must be passed with a "C" or better. A grade of "C-" is not acceptable as a passing grade in any of the common prerequisite courses or the cross-cultural course.
SOP 3742 Psychology of Men (3)
WST 3015 Introduction to Women's Studies (3)
WST 3311 Issues in Feminism (3)
WST 4262 Literature by American Women of Color (3)
WST 4263 Third World Women Writers (3)

2. Both of the following Social Work courses, earning a “B” or better:
SOW 3203 American Social Welfare System (3)
SOW 3302 Introduction to Social Work (3)

Social Work Core Courses
1. Human Behavior and Social Environment Courses
   SOW 3101 (4)  SOW 3102 (4)
2. Social Welfare: Policy & Program Course
   SOW 4238 (4)
3. Social Research Course
   SOW 3401 (4)
4. Social Work Practice Courses
   SOW 4341 (5)  SOW 4343 (5)
5. Directed Field Experience
   SOW 4510 (3)  SOW 4510L (6)
6. Multi-cultural America
   SOW 4522 (3)

Summary:
Core Courses  29 hours
Field Experience  9 hours
TOTAL  38 hours

• SOCIOLOGY (SOC)

Sociology is the study of social life and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies. Because all human behavior is social, the subject matter of sociology ranges from intimate families to hostile mobs; from crime to religion; from the divisions of race, gender, and social class to the shared beliefs of a common culture; from the sociology of work to the sociology of emotions.

The Sociology major is designed to provide students with a broad liberal arts education and a greater understanding of human behavior. 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. 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, 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.
in good standing at the time of application to graduate school, normally given to sociology majors. Assuming the student is a senior, and scholarly writing—all experiences beyond those rewards upon successful completion of the program include faculty in his or her ability to complete the program. The student is not admitted to the program without the confidence sociology students in the senior year ordinarily face; yet, a can expect more intensive work and greater challenges than provide exceptional undergraduates with advanced, individualized coursework, including research design, data collection, analysis, and scholarly writing—all experiences beyond those normally given to sociology majors. Assuming the student is in good standing at the time of application to graduate school, a letter from the Honors Program director outlining the program’s requirements and special features will be sent to each graduate program to which s/he applies. Upon successful completion of the Honors Program requirements, the student’s transcript will state that the student graduated with Honors in Sociology.

Requirements for Admission to the Honors Program
1. Completion of the following courses by the end of the Semester II of the junior year with a Grade point Average of at least 3.5:
   - SYG 2000 Introduction to Sociology
   - SYA 3010 Classical Theory
   - SYA 3300 Research Methods
2. An overall Grade Point Average of 3.2 or higher.
3. Completion of at least 72 semester hours by the start of the program in Semester I.
4. At least one course in the substantive area of the student’s preliminary research interests, by the time of or during Semester I of the program. If during Semester I, the student must have documentation that the course will be offered at the 3000, 4000, or 5000 level, and that s/he will be able to enroll in the class. If at all possible, this course should be in Sociology, although, in some instances, the director may approve a course outside the department.
5. Tentative agreement by a faculty member to serve as chair of the thesis committee. This faculty member should indicate her/his willingness in a letter of recommendation to the director of the Honors Program.

Successful completion of the Honors program requires completion of the Sociology program with a GPA of 3.5 or 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. Enhancing knowledge about feminisms and gender studies through teaching, emphasis on multiculturalism and diversity, the department focuses on critical thinking, collaborative learning, and personal empowerment.

Women’s Studies offers excellent undergraduate preparation as well for those who wish to apply to law school or to graduate study in a variety of fields, e.g., Urban or Medical Anthropology, Counselor Education, Criminal Justice, Gerontology, History, Rehabilitation Counseling, Social Work, Women’s Studies
Those who want to focus on women in specific disciplines or professions; and
Those whose training would benefit from a close scrutiny of the major issues facing women today.

Requirements for the Major in Women’s Studies
Prerequisites (State Mandated Common Prerequisites)
Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3010</td>
<td>Classical Theory</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3300</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2412</td>
<td>Marriage</td>
<td>3</td>
</tr>
<tr>
<td>STA 2122</td>
<td>Social Science Statistics</td>
<td>3</td>
</tr>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3311 Issues in Feminism</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4310 History of Feminism in the U.S.</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4522 Classics in Feminist Theory</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4935 Capstone/Senior Project</td>
<td>(3)</td>
</tr>
</tbody>
</table>

II. Select 21 credit hours from the following list, noting prerequisites where applicable:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 2250 The Female Experience in America</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 3210 European Feminist History:</td>
<td>(3)</td>
</tr>
<tr>
<td>Pre-18th Century</td>
<td></td>
</tr>
<tr>
<td>WST 3220 European Feminist History:</td>
<td>(3)</td>
</tr>
<tr>
<td>18th Century to Present</td>
<td></td>
</tr>
<tr>
<td>WST 3225 Women, Environment and Gender</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 3440 Women and Social Action</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4260 Research Issues on Women of Color</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4410 Third World Women Writers</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4335 Women and Film</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4320 Politics and Issues in Women’s Health</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4350 Women and Science</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4560 Contemporary Feminist Theory</td>
<td>(3)</td>
</tr>
<tr>
<td>PHI 4632 Feminist Ethics</td>
<td>(3)</td>
</tr>
<tr>
<td>POS 4693 Women and Law I</td>
<td>(3)</td>
</tr>
<tr>
<td>POS 4694 Women and Law II</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4900 Directed Readings</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4910 Directed Research</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4930 Selected Topics</td>
<td>(3)</td>
</tr>
<tr>
<td>(Limit to 6 credits from the following courses)</td>
<td></td>
</tr>
<tr>
<td>AMH 3561 American Women I</td>
<td>(4)</td>
</tr>
<tr>
<td>AMH 3562 American Women II</td>
<td>(4)</td>
</tr>
<tr>
<td>AMS 3370 Southern Women: Myth and Reality</td>
<td>(3)</td>
</tr>
<tr>
<td>COM 4030 Women and Communication</td>
<td>(3)</td>
</tr>
<tr>
<td>POS 4323 Women and Politics</td>
<td>(3)</td>
</tr>
<tr>
<td>REL 3145 Women and Religion</td>
<td>(3)</td>
</tr>
<tr>
<td>SOP 3742 Psychology of Women</td>
<td>(3)</td>
</tr>
<tr>
<td>SPT 2524 Women Writers of Latin America</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 2600 Human Sexual Behavior</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 3015 Introduction to Women’s Studies</td>
<td>(3)</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4335 Black Women in America OR</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4260 Research Issues on Women of Color</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4930 Selected Topics</td>
<td>(1-4)</td>
</tr>
<tr>
<td>ANT 4302 Gender in Cross-Cultural Perspective</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4262 Literature by American Women of Color</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 3412 Women in the Developing World</td>
<td>(3)</td>
</tr>
<tr>
<td>WST 4410 Third World Women Writers</td>
<td>(3)</td>
</tr>
</tbody>
</table>

• WORLD LANGUAGE EDUCATION

The Department of World Language Education offers students several undergraduate degrees. Although a baccalaureate degree is not offered in Linguistics, a minor is available to students. Comprehensive information about these programs is listed below.

CLASSICS (CLS)

Major programs leading to the Bachelor of Arts degree are offered in Classics and Interdisciplinary Classical Civilizations. These programs are designed to meet the needs of students who desire competence in Latin and/or Greek and a broad understanding of ancient culture and literature. The majors are of particular interest to students who wish to teach the languages, to those who plan graduate study in a humanistic discipline, and to those who want an undergraduate major which focuses on the ancient civilizations which are the cornerstone of the Western tradition.

Requirements for the Major in Classics

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

To complete a major in Classics, students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

Upper-Level Coursework for the Classics Major

The Major in Classics requires 10 courses, earning a minimum of 30 credit hours. Of those courses, a minimum
of 4 courses must consist of language courses in Latin (LAT or LNW) or in Greek (GRE and GRW), which must include or presuppose LAT 2200 or GRE 2200. The remaining 6 courses are to be chosen from a list of approved courses with the advice of the Classics advisor.

Requirements for the Minor in Classics
The minor in Classics 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. 2 of which must be successive courses in Latin (LAT 1120, LAT 1121) or in Greek (GRE 1120, GRE 1121).

HONORS PROGRAM
Admissions Criteria
1. Senior status.
2. Completion of the "core" courses required for a major in the Department with a GPA above 3.5.
3. An overall GPA above 3.3.
4. Two letters of recommendation from departmental faculty followed by departmental approval.

Dismissal Procedures
The student must maintain a Departmental GPA of 3.5, must submit the Honors Thesis on time, and must pass the scheduled Departmental Honors Examination. Otherwise, the candidate receives no Honors.

Requirements for Completion of Departmental Honors:
1. Completion of requirements for a major in the Department with a GPA above 3.5 and an overall GPA of 3.3 or above.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. A grade of "A" on a sight translation from a Latin or Greek author.
4. Successful completion of an upper-level Greek or Latin course designated as an Honors Seminar.

Requirements for the Major in Interdisciplinary Classical Civilizations (ICC)
Interdisciplinary Classical Civilizations is a broad-based area study encompassing the literature, history, linguistics, art and archaeology, philosophy, and religion of Greece, Rome and the Near East from pre-history to late antiquity. For centuries, the study of these vibrant societies has been recognized as essential to a proper understanding of our own culture and, recently, there has been a renewed recognition of the skills such study develops.

All students wishing to enroll in the ICC major must schedule an appointment with the Coordinator of Interdisciplinary Classical Civilizations in order to develop a program of study. Students will be urged to fulfill their General Education and University Exit Requirements, whenever possible, from courses taught within the Classical Civilizations Program. Courses that are applied toward the Gen. Ed. or "Core" Requirements cannot be utilized more than once.

Language Requirement: The BA language requirement should be fulfilled by the two-semester sequence in either Greek or Latin (GRE 1120 & 1121 or LAT 1120 & 1121). One semester of intermediate level Greek or Latin (GRE 2200 or LAT 2200) is required by State mandate.

The ICC Major can be fulfilled in 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 3370 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 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 3370 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.
French, German, Italian, Latin, Modern Greek, Russian, and distributed in the three areas.

Requirements Concentration require a total of 63 hours of coursework and Spanish majors with an International Studies and Business concentration. French major programs in foreign language require a total of 32 hours of coursework above the intermediate level. 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.

FRE 1101 English I (3)
FRE 1102 English II (3)
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 3230 (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 planned with the advisor.
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) FRENCH 430 (3)
FRE 3420 (3) FRENCH 430 (3)
FRE 3500 (3)
Supporting courses in French required for the major (9 credit hours)
Choose from the list below:
FRE 4421 (3) FRENCH 4700 (3)
FRE 4930 French for Business II (3)
FRENCH 4930 French Phonetics (3)
FRENCH 5425 (3) FRENCH 5566 (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)

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...
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 minor (6 credit hours)
Choose any 2 upper-level international business courses.

Required overseas study courses & 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)
  Supporting courses required for the minor
  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 4340 (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 4340 (3)
  SPN 3500 (3)  SPN 3520 (3)
  SPN 4410 (3)
  Supporting courses in Spanish 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)

Supporting courses in International Studies (9 credit hours)
CPO 2002 (3)  INR 1015 (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 minor (6 credit hours)
Choose any 2 upper-level international business courses.

Required overseas study courses & 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 3300 (3)  SPN 3500 (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 2 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 courses 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 call (813) 974-2144, SCA 411.
<table>
<thead>
<tr>
<th>Club Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>American Criminal Justice Association</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>American Medical Student Association (AMSA)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Anthropology Club</strong></td>
<td>To promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and foster an informal and creative atmosphere for interaction. For further information please call the Department Office at (813) 974-0783.</td>
</tr>
<tr>
<td><strong>Arts and Sciences College Council</strong></td>
<td>To represent the students of the College of Arts &amp; 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.</td>
</tr>
<tr>
<td><strong>Arts and Sciences Honor Society</strong></td>
<td>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 <a href="http://nosferatu.cas.usf.edu/~poonkase">http://nosferatu.cas.usf.edu/~poonkase</a> or call (813) 974-6957.</td>
</tr>
<tr>
<td><strong>Association of Minority Communicators</strong></td>
<td>To inform and help facilitate minority students interested in Communication about the profession and help them gain practical experience.</td>
</tr>
<tr>
<td><strong>Colloquia in Literature and Linguistics</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Communication Council</strong></td>
<td>To encourage and promote extracurricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.</td>
</tr>
<tr>
<td><strong>Economics Club</strong></td>
<td>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 <a href="http://www.coba.usf.edu/departments/economics">www.coba.usf.edu/departments/economics</a>.</td>
</tr>
<tr>
<td><strong>French Club</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Gamma Theta Upsilon (GTU)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Geography Club</strong></td>
<td>To foster understanding of and stimulate interest in the discipline of Geography and its subfields. For further information please go to SOC 305.</td>
</tr>
<tr>
<td><strong>Geology Club</strong></td>
<td>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; or Geology Web Page @ <a href="http://www.cas.usf.edu/geology/">www.cas.usf.edu/geology/</a></td>
</tr>
<tr>
<td><strong>German Club</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>HOSA</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Humanities and American Studies Society</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>International Studies Organization</strong></td>
<td>To promote interaction between students and faculty. To enlighten the student populace of USF of the values of International studies and to foster gender relations among International studies majors. For further information please go to SOC 373.</td>
</tr>
<tr>
<td><strong>Italian Club</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Legal Brief</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Marine and Life Sciences Club</strong></td>
<td>To foster student interests in the environment and ecological systems. Field trips and volunteer activities.</td>
</tr>
<tr>
<td><strong>Microbiology Club</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Minority Preprofessional and Science Society</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>NASW Sub Unit (National Assoc. of Social Workers)</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
National Student Speech Language Association - Association was created because of students’ desire for a closer affiliation with professionals in the discipline of human communication sciences and disorders.

Phi Sigma Iota - International Honor Society for outstanding majors and minors in Classics, all Foreign Languages and Literatures, Bilingual Education, Foreign Language Education and Comparative Literature.

Pi Gamma Mu - International Honor Society for the Social Sciences.

Pi Mu Epsilon - The mathematics honor society to which the best scholars among our students are invited. Particular emphasis is given to performance in mathematics courses. For further information please go to PHY 342.

Pi Sigma Alpha - To function as an integral part of the political science department in the promotion of worthwhile extracurricular activities related to public affairs. For further information please go to SOC 352.

Pre-Dental Society - The Pre-Dental Society is open to all students with an interest in Dentistry. Through the Society students have an opportunity to not only get to know other Pre-Dental students, but to meet and hear presentations from dental school admissions’ officers and practicing dentists. The Society also has organized an extensive mentor program through which students can arrange to observe dentists from each of the specialties as they work in their offices. For further information please go to 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.ctr.usf.edu.

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.ctr.usf.edu.

Psi Chi - Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the American Psychological Society.

Sigma Gamma Epsilon - To recognize and promote academic and professional excellence in the Earth Sciences.

Student Broadcasting Association - To give students with an interest in television/radio journalism hands-on experience and the opportunity to produce a news program for public access television. For further information please go to CIS 3005.

Student Chapter of the Mathematical Association of America - A club for students who enjoy doing, discussing and learning mathematics. For further information please go to PHY 342.

Student Society for Technical Communication-SSTC - offers students scholarships, publication competitions, internship opportunities, resume and computer workshops and networking socials with local professionals who are established in the field. For further information please go to CTR 2419.

University Psychology Association - The purpose of this organization shall be to foster understanding and stimulate interest in the discipline of Psychology and its sub fields. University Psychology Association is open to all USF students interested in the field of Psychology.

Women’s Studies Student Association - To promote interest in women’s issues and provide an informative and social atmosphere for all interested Women’s Studies’ affiliates.

ARTS AND SCIENCES FACULTY

Africana Studies

Anthropology

Biology

Chemistry

Communication
Chairperson: E. Eisenberg; Professors: A. P. Bochner, K. N. Cisnna, E. M. Eisenberg, C. S. Ellis, L. S. Pettigrew; Associate Professors: E. E. Bell, C. J. Jablonski, N. C. James, J. Jorgenson, M. Neumann, A. D. Payne, G. Rodman, F. Steier; Assistant Professors: M. Chvasta, S. Holman-Jones; Courtesy Faculty: M. Myerson.
Communication Sciences and Disorders

Community Experiential Learning
Coordinator: R.R. Jones.

Criminology

Economics

English

Environmental Science and Policy
Chairperson: R. Brinkmann.

Geography

Geology

Gerontology

History

Humanities and American Studies

Interdisciplinary Social Sciences
Director: S. E. Cahill; Coordinator: R. J. Gagan; Professors: S. E. Cahill, S. M. D. Stamps, Assistant Professors: W. Cummings, J. Jones; Instructors: K. Ferguson, J. Hallett, C. R. Kasee, M. Paul; Lecturer: R. J. Gagan.

International Studies

Library and Information Science

Mass Communications

Mathematics
Medical Technology
Administrator: J. Spencer; Professors: I. L. Browarsky (Tampa General Hospital), L. Davis (Bayfront Medical Center), R. Perez (Shands Jacksonville), R. F. Holcomb (Florida Hospital), G. M. Shore (St. Vincent's Medical Center); Courtesy, Lecturers: L. Chakagakh (St. Vincent's Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schurig (Bayfront Medical Center), J. Sigler (Shands Jacksonville).

Philosophy
Chairperson: S. P. Turner; Professors: J. P. Anton (Distinguished Professor of Greek Philosophy & Culture), J. A. Bell, Charles Guignon, O. Schutte, B. Silver, W. H. Truitt, R. C. Weatherford, K. Wiredu; Distinguished Research Professor: S. P. Turner; Associate Professors: M. R. Schonfeld, R. N. Taylor, J. B. Waugh; Assistant Professors: B. Sadler, D. Weiskopf, E. Winsberg; Courtesy Associate Professors: M. Gibbons; Courtesy Assistant Professor: A. Chitwood; Courtesy Professor: S. Axinn.

Physics

Political Science

Psychology

Public Administration
Director: J. E. Pyne; Professors: J. E. Jreisat, S. A. MacManus, J. E. Pyne; Associate Professors: J. L. Daly, A. Njoh; Assistant Professors: S. M. Calabrese, C. D. Pettijohn; Joint Appointments: Professors: A. M. MacManus, J. C. Merrick; Associate Professors: J. E. Benton, P. N. Rigos.

Rehabilitation and Mental Health Counseling
Chairperson: C. G. Dixon; Distinguished Research Professor: W. G. Emene; Professors: J. D. Rasch; Associate Professors: C. Dixon, S. Kelley, T. J. Wright; Assistant Professors: M. Richard, Clinical Instructor: T. Evans, J. Frandino.

Religious Studies
Chairperson: D. Jorgensen; Distinguished University Professor: J. F. Strange; Professors: D. J. Fasching, S. Garcia; D. Jorgensen, S. Mandell, G. Mitchell, D. Schenck; Assistant Professor: W. Zhang; Instructors: D. deChant, P. Schneider; Other Faculty: M. Angrosino, J. S. Hatcher.

Social Work
Director: W. Rowe; Associate Director: M. Marley; Director of Field Program: C. K. Bennett; Professors: W. S. Hutchison, C. S. Roberts, A. A. Smith; Associate Professors: S. Fogel, G. J. Paveza, P. L. Smith, A. L. Strozier; Assistant Professors: F. Barrow, K. Black, M. Rank, K. Shafer; Instructors: I. Carroin, D. Ducett, S. Speer, R. Tilden, D. Whitlock.

Sociology
Chairperson: M. Mayberry; Professors: S. Cahill, C. Ellis, D. Loseke, M. Mayberry, D. Stamps; Associate Professors: J. Cavendish, S. Green, J. Friedman, L. Graham, M. Kleiman, C. Ponticelli; Assistant Professor: M. Kusenbach; Instructor: D. Schwied; Courtesy Faculty: J. Cochran, L. Detman, M. Fialhery, D. Jorgensen, K. Lersch, W. Mangum, W. Palacios, J. Prince, C. Sellers, M. D. Smith, S. Turner, Š. M. Yampolskaya; Emeriti: R. Francis, E. Nesman.

Women's Studies
Chairperson: O. Schutte; Professor Emeriti: L. M. McAlister, J. Snook; Professor: O. Schutte; Associate Professors: I. Bartsch, G. Grewal, M. Myerson, K. Vaz; Assistant Professors: C. DiPalma, C. J. Eichner, I. Kwon.

World Language Education
COLLEGE OF BUSINESS ADMINISTRATION
UNIVERSITY OF SOUTH FLORIDA - 2003/2004 UNDERGRADUATE CATALOG

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: www.coba.usf.edu.

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, which means that it has admission requirements in addition to those of the University in general. 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
      - 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.
   e. 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.
   f. A minimum score of 550 on paper or pencil or 213 on computerized TOEFL is required, when applicable.

2. 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. Normally, courses in finance, marketing, management, and accounting, as well as other business administration and economics courses, taken at the lower division level that are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of 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 core requirements of 6A-10.30 (“Gordon Rule”).

Foreign Language: For a Bachelor of Arts degree, students must demonstrate competency in a foreign language (refer to the Academic Policies and Procedures section of this catalog). The College of Business does not approve American Sign Language for the Foreign Language Exit Requirement.

Residency: College of Business Administration residency requirements for graduation exceed the minimum requirements established for USF. Students are required to complete satisfactorily at USF and/or economics courses, taken at the lower division level that are offered as upper division courses at USF. 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 in the business, non-business, or elective category. Consult with a business advisor for suggestions on acceptable courses.

Prerequisites

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. Normally, courses in finance, marketing, management, and accounting, as well as other business administration and economics courses, taken at the lower division level that are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of 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.

International Course Requirement: All business students are required to select at least one course that deals with contemporary international topics. This course can be 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
3. Speech/Writing Requirements for Business Majors
   a. SPC 2600* Public Speaking 3
   or
      COM 3110 Communication for Business and the Professions
   b. ENC 3213 Professional Writing 3
   or
      ENC 3310 Expository Writing or equivalent
   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)
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
   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 36
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) 3-6
   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.

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/ugrad/index.html.
St. Petersburg Campus: DAV 134, (727) 553-1511
Sarasota Campus: USS 805D, (941) 359-4331/4330
Lakeland Campus: LLC 2100, (863) 667-7083

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 minor. The requirements for each minor are listed with the
The course requirements are as follows:

1. The course requirements are as follows:
   - ACG 3074 Managerial Accounting for Non-Business Majors 3
   - ECO 1000 Principles of 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.

**AGC 2021 and AGC 2071 can be substituted for AGC 3074.
**ECO 2013 and ECO 2023 can be substituted for ECO 1000.

### ACCOUNTING (ACC)

The objective of the baccalaureate degree program in accounting is to provide students with accounting and business knowledge that will serve as a basis for careers in industry, government, non-profit organizations and public accounting.

The baccalaureate program also prepares students for entry into the Master of Accountancy (M.Acc.) professional degree program.

The State of Florida, like most states, requires a fifth year of education in order to sit for the CPA examination. Questions concerning the CPA examination should be directed to the faculty of the School of Accountancy.

### Requirements for the B.A./B.S. Degree:

In addition to the non-business and business foundation courses listed in the General Requirements section, students must complete a minimum of 27 hours of upper-level accounting courses, of which 18 credit hours must be taken in residence at USF.

#### Required Accounting Courses:

- ACG 3103 Intermediate Financial Accounting I 3
- ACG 3113 Intermediate Financial Accounting II 3
- ACG 3341 Cost Accounting and Control I 3
- ACG 3401 Accounting Information Systems 3
- ACG 4632 Auditing I 3
- TAX 4001 Concepts of Federal Income Taxation 3

#### Electives (9 hours selected from):

- ACG 4123 Intermediate Financial Accounting 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

### Requirements for a Minor in Accounting (for Business Majors Only):

- ACG 3103 Intermediate Financial Accounting I 3
- Three other upper level Accounting Electives with an ACG or TAX prefix 9
- Total Upper Level Accounting Hours 12

2. A grade of "C" (not C-) or better must be earned in each of the four upper-level accounting courses taken.

3. All 12 credit hours must be taken in residence at USF.

### ECONOMICS (ECN)

Economics offers a clear and logical approach to business decision-making. The department offers broad course choices allowing students to tailor their programs to provide training for careers in business as well as teaching, government, and law.

Students interested in majoring or minoring in economics should contact the Undergraduate Advisor in the Economics Department for more information.

### Requirements for the B.A./B.S. Degree:

Within the 120-semester-hour program as listed in the General Requirements section, students must complete a minimum of 21 hours of upper-level economics beyond the foundation courses for business.

#### Required Economics Courses:

- ECO 3100 Managerial Economics or ECO 3101 Intermediate Price Theory 3
- ECO 3203 Intermediate Macroeconomics 3

15 hours of upper-level economics courses

At least 9 hours must be in courses for which ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.

Total 21

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:

All students, regardless of college can earn a minor in Economics by satisfactorily completing 18 hours in Economics.

1. ECO2013 Economic Principles: Macroeconomics 3
2. ECO2023 Economic Principles: Microeconomics 3
3. Upper-level economics electives (may include QMB 3200) 12

Total Economics Hours 18

Business majors can obtain a minor with 9 additional upper-level hours in economics beyond the foundation requirements for business.
2. Before being recognized as a minor in economics, a student must obtain program approval by the Economics Department Undergraduate Advisor.

3. A grade point average of 2.0 or higher must be achieved in minor course work at USF and in all minor courses completed at other institutions. ECO 4905 and ECO 4914 may not be counted toward the minor.

4. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum
Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.

Beyond ECO 2013 Economic Principles: Macroeconomics and ECO 2023 Economic Principles: Microeconomics, students should elect ECP 4451 Law and Economics. ECP 3413 Economics of Regulation and Antitrust and ECP 4505 Economics of Crime, are strongly recommended. Additional courses of interest are ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, and ECP 3201 Economics of Women and Work.

The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test (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 that students take two graduate level courses required for the MA degree during the last year in the Bachelor’s 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. After completing the 120-hour Bachelor 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 mathematics courses (including statistics).

To apply for admission, send a letter to the Graduate Program Director in the Department of Economics stating your qualifications and desire to enter the program. To plan your program, or for additional information, see the Undergraduate Advisor in Economics.

**FINANCE (FIN)**
The Finance major provides a broad-based, analytical program for students anticipating a career in the management of both large and small organizations. Finance provides a good background for students seeking general careers in business. Finance majors can elect to follow tracks that prepare them for entry and advanced careers in:

- financial management of corporations
- management of financial institutions
- investments
- financial services, insurance, and real estate.

In addition, the program in Finance is designed to provide the skills required by students earning degrees in other business disciplines and by students who seek professional degrees in areas such as law and public administration.

The Finance program offers applied and theoretical courses that enable the graduate to identify and solve problems in the acquisition and allocation of funds by organizations in the public and private sectors in domestic and international settings. It provides the background necessary for managing wealth in a risky environment. Finance relies on an interdisciplinary approach that draws on economic theory, accounting, information systems, and the quantitative decision frameworks of statistics and mathematics.

The major is designed to 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. At least 12 hours must be taken in residence at USF.

**Required Finance Courses:**
- FIN 4303 Financial Institutions and Markets
- FIN 4414 Advanced Corporation Finance
- FIN 4504 Principles of Investments

**Additional upper-level Finance electives**

**Total**

18-24

Finance electives can be selected from among those 3000 and 4000 level classes that have FIN, REE, and RMI prefixes. At least two electives must have an FIN prefix. Independent Study (FIN 4905) and Independent Research (FIN 4915) will not be accepted as credit toward the minimum degree requirements for a major in Finance. The courses listed below are suggested electives that are relevant for students who might want to pursue careers in the following areas:

**Corporate Financial Management**
- FIN 3604 International Finance
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies
- FIN 4461 Financial Statements Analysis

**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
- FIN 4461 Financial Statements Analysis

**Investments**
- FIN 3604 International Finance
- FIN 4461 Financial Statements Analysis
- FIN 4514 Advanced Investment Analysis & Management

**REE 4303 Real Estate Investment Analysis**

**Financial Services**
- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- 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

**Total Finance Hours**

**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 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. At least 15 hours must be taken in residence at USF.

**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

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**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

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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.

- **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. At least 12 hours must be taken in residence at USF.

**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.**

**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 Analysis 3
2. MAN 3301 Human Resource Management 3
3. MAN 4282 Organizational Assessment 3
4. MAN 4600 International Management 3

**Total Management hours** 12

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.
3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

- **MARKETING (MKT)**

  Marketing is a dynamic field with many dimensions, including product development 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. At least 12 hours must be taken in residence at USF.

**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.
courses from the Marketing curriculum to broaden their background. 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 have not only 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 supply chains, 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 upper level area studies courses.

Business Minor/Concentration (12)
Students will choose a minor from the following disciplines:
- Economics
- Finance
- Marketing
- Management
- 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 minor or major 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 hours of the required 12 credit hours 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
- ECO 4723 International Trade and Policy
- ECO 4XXX Economics of Latin America
- ECS 3013 Economic Development
- ECS 4003 Comparative Economic Systems
- 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.

Beta Alpha Psi - The national professional accounting fraternity devoted to the promotion of the profession, inspiring professional ideals, and recognizing academic achievement.

BUSINESS ADMINISTRATION FACULTY

ACCOUNTING/LAW


ECONOMICS


FINANCE


INFORMATION SYSTEMS & DECISION SCIENCES


MANAGEMENT


MARKETING

The University of South Florida - 2003/2004 Undergraduate Catalog

The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). All Teacher education programs must meet the requirements of Chapter 6A-5, Rules of the State Board of Education of Florida, and have “Approved Program” status.

The Mission of the College is to “improve the preparation of teachers, other professional educators, and professional support personnel and to discover improved teaching, learning, and leadership techniques through research and practice.” The College emphasizes student learning outcomes relevant for the world of the 21st century. Program goals focus on graduating highly competent teachers who reflect on their own professional practice, who have a deep interest in intellectual inquiry and who continue their professional development.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Each subdivision of the college maintains professional standards by participating in nationally-certified program reviews and also through ongoing departmental appraisals of learning outcomes.

The University follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent a cooperative effort in planning and practice by faculties in appropriate academic areas. Liberal arts courses and courses in the content areas are offered through the College of Arts and Sciences. Courses primarily designed for teacher candidates are taught by the College of Education faculty.

For information concerning required courses in each major, students should consult the following “Departments and Programs” section accessible from the Undergraduate Studies site: http://www.ugs.usf.edu/catalogs.htm. Other important information is available from the College of Education website at http://www.coedu.usf.edu/.

### Preliminary Requirements for Students Entering Teacher Education Programs

Students who wish to teach in a particular subject area or field should begin preliminary coursework during their first year in college. However, students cannot be admitted to the College of Education (and into a teacher education program) until they finish the university’s liberal arts freshman and sophomore requirements and the state-mandated common prerequisites for education.

After students finish prerequisite courses, they may apply for entrance into one of the upper-level teacher education programs offered by the College of Education. All students who plan to teach must apply for admission to a teacher education program through the Student Academic Services Office of the College of Education.

Admission to an upper-level teacher education program is contingent upon meeting the following preliminary college requirements:

1. Completion of a College of Education application form.
2. Completion of the University’s General Education requirements (36 cr. hrs.). (See “Liberal Arts Requirements” section of the catalog.) Note: Changes in Teacher Preparation programs under consideration by the State Board of Education at the time of printing of the undergraduate catalog and the manual may mandate major changes in the general education requirements, subject matter preparation and education courses for students effective Fall 2003. 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

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience in Africa and Its Diaspora</td>
<td>3</td>
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<tr>
<td>AFS 2250</td>
<td>Culture and Society in Africa</td>
<td>3</td>
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<td>AMH 2010</td>
<td>American History I</td>
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<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>3</td>
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<tr>
<td>AMS 2030</td>
<td>Introduction to American Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3</td>
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<tr>
<td>ARH 2050</td>
<td>History of Visual Arts I</td>
<td>3</td>
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<td>ARH 2051</td>
<td>History of Visual Arts II</td>
<td>3</td>
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<tr>
<td>BSC 2025</td>
<td>Food: Personal and Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>COM 2000</td>
<td>Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>EGN 2031</td>
<td>History of Technology</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2111</td>
<td>African History I</td>
<td>3</td>
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<tr>
<td>EUH 2021</td>
<td>Medieval History I</td>
<td>3</td>
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<td>EUH 2030</td>
<td>Modern European History I</td>
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<td>Modern European History II</td>
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<td>FIL 2001</td>
<td>Film: Language of Vision</td>
<td>4</td>
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<tr>
<td>GEO 1930</td>
<td>Geography of Current Events</td>
<td>4</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>INR 1015</td>
<td>World Perspective</td>
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<tr>
<td>LAH 2734</td>
<td>Latin American History in Film</td>
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<td>LIT 2010</td>
<td>Introduction to Fiction</td>
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<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
<td>3</td>
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<tr>
<td>MUL 2011</td>
<td>The Enjoyment of Music</td>
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<tr>
<td>MUH 2051</td>
<td>Folk and Traditional Music of World Cultures</td>
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<tr>
<td>MUH 2632</td>
<td>Music in the United States</td>
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<tr>
<td>MUL 2111</td>
<td>Introduction to Music Literature</td>
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<td>POS 2080</td>
<td>The American Political Tradition</td>
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<td>REL 2300</td>
<td>Introduction to World Religions</td>
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<td>REL 2306</td>
<td>Contemporary World Religions</td>
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<td>REL 3501</td>
<td>History of Christianity</td>
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<tr>
<td>SPT 2524</td>
<td>Women Writers of Latin America</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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International/Diversity Courses Credits

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDG 2701</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Nine (9) semester hours in English to include writing, literature, and speech</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Nine (9) semester hours in science to include earth science, life science, and physical science, with a minimum of one associated laboratory</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Twelve (12) semester hours in social sciences to include American history and general psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Six (6) semester hours of courses with an international and/or diversity focus in addition to EDG 2701.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*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.*
or at other accredited institutions as follows:

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. It is the responsibility of the student to contact and visit the appropriate campus for orientation and advising appointments. 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.

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. The admission process to the College of Education (C.O.E.) is separate and in addition to admission to USF. The deadlines to submit an application are as follows: Fall Semester (August 1st), Spring Semester (December 1st), and Summer Semester (May 1st). Not all majors accept applications for summer entrance. Contact SAS in EDU 106 for those majors that accept summer applicants. After gaining acceptance into the C.O.E., Tampa campus students must register and attend Orientation for the College of Education.

During the College’s Orientation, students will receive information about their degree program, and register for courses for their first semester. Regional campus students should call the 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 and the General Knowledge Test).
3. Completion of an application for the final internship by the deadlines noted. Applications for final internship are made through the Student Academic Services website (www.coedu.usf.edu/sas/). Please contact the office. Applications for Fall Semester are due the preceding January 15. Applications for Spring Semester are due the preceding June 15.
4. Elementary, Early Childhood and Physical Education programs require completion of all professional education and specialization coursework except for EEX 4070. Special Education programs require completion of all professional education and specialization coursework. Secondary and Vocational Education Programs require completion of the professional course sequence except for EEX 4070/EDF 4430 and a minimum of two thirds of the specialization coursework.
5. Elementary, Early Childhood, and Physical Education programs require a combined grade point average of 2.5 in professional education and specialization coursework as well as an overall USF GPA of 2.5. Special Education programs require an overall USF GPA of 2.5. Secondary and Vocational Education programs require a minimum GPA of 2.5 in professional education and specialization coursework or an overall USF GPA of 2.5.
6. Students must earn a “C-” grade or higher in their required major courses. S/U grades will not apply toward qualifying for internship.

College Requirements for Graduation

To be certified by the College of Education for graduation, a student must have earned a minimum of 120 semester hours credit and successful completion of all program requirements for ESOL endorsement. 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 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) and pass the General Knowledge Test, prior to the completion of internship. A student must also have completed the major requirements in a state-approved teacher education program.
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 intensive leadership and communication skills training. SCATT also helps prospective employers within the University’s service area fill teaching positions with highly qualified graduates.

To apply to the SCATT program, students must be admitted to the College of Education in a program that requires a full-time internship experience, complete an application available from the SCATT office (located on the second floor of the David T. Anchin Center, just off the rotunda), and attend a scheduled Interview Orientation to become familiar with the expectations of SCATT graduates. For further information come to the SCATT office, call (813) 974-2061, or visit our website at www.coedu.usf.edu/SCATT.

DEPARTMENTS AND PROGRAMS

The College of Education is organized into 8 departments. Each department has one or more programs listed alphabetically in the following section.

Department of Adult, Career & Higher Education

The Department of Adult, Career & Higher Education at USF offers degrees designed to prepare teachers and leaders in the various fields of Adult Education, Business and Office Education, Industrial-Technical Education, Technology Education and Vocational Education. The Bachelor of Science (B.S.) degree is offered in the areas of: Business and Office Education, Industrial-Technical Education and Technology Education.

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>Adult, Career and Education</td>
<td>(BBE)</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Childhood Education</td>
<td>(BEC)</td>
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<tr>
<td>Elementary Education</td>
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<td>Chemistry</td>
<td></td>
<td>(BSC)</td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td>(BSV)</td>
</tr>
<tr>
<td>Social Science</td>
<td>Secondary Education</td>
<td>(BSS)</td>
</tr>
<tr>
<td>Varying Exceptionalities</td>
<td>Special Education</td>
<td>(BEX)</td>
</tr>
<tr>
<td>Art, Dance, Drama, and Music Education</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DEPARTMENTAL REQUIREMENTS

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of ‘C’ is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology (equivalent course or demonstrated competency may be substituted) 3
- ACG 2021 Financial Accounting 3
- ACG 2001 Financial and Managerial Acctg. I 3
- ACG 2011 Financial and Managerial Acctg. II 3
- ECO X013 Economic Principles (Macroecon.) 3
- ECO X023 Economic Principles (Microcon.) 3
In addition to EDG 2701, lower division courses must include 6 credit hours with an international and/or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

**Areas of Specialization**

(Divided into 2 Tracks Below)

Program subject to change. Please contact the undergraduate advisor.

**Industrial-Technical Education**

Enrollment in the Industrial-Technical Education program is restricted to persons with employment experiences qualifying them to teach in Industrial-Technical, Health Occupations, or Public Service areas.

Special provision is made for students to satisfy four (4) of the required six (6) years of work experience in a specific occupation by completing an Associate of Science degree program in a technological specialty or successfully completing an appropriate occupational competency exam.

Acceptability of work experience will be determined by the program advisor.

Students must successfully pass all sections of the CLAST within 1st semester after admission to the program.

Students may validate up to 30 semester hours of credit through the Occupational Competency Testing Program, or appropriate licensure or certificate.

**Specialization and Professional Education Core (36-48 cr. hrs.)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADE 4384</td>
<td>Working With Adult Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EIV 4360</td>
<td>Special Teaching Methods: Industrial-Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4065</td>
<td>History &amp; Principles of Vocational Education</td>
<td>4</td>
</tr>
<tr>
<td>EVT 4084</td>
<td>Professional Development in Industrial Technical Education</td>
<td>4</td>
</tr>
<tr>
<td>EVT 4165</td>
<td>Curriculum Construction: Industrial-Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4365</td>
<td>Basic Teaching Methods in Vocational Education</td>
<td>4</td>
</tr>
<tr>
<td>EVT 4367</td>
<td>Assessing Student Skill in Industrial-Technical Education</td>
<td>4</td>
</tr>
<tr>
<td>EVT 4562</td>
<td>Vocational Education for Special Needs Students</td>
<td>4</td>
</tr>
<tr>
<td>EVT 4651</td>
<td>Equity in Schools &amp; Workplace (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EVT 4936*</td>
<td>Senior Seminar in Education</td>
<td>2</td>
</tr>
<tr>
<td>EVT 4940*</td>
<td>Internship</td>
<td>10</td>
</tr>
</tbody>
</table>

*EVT 4940 and 4936 waived for those with certification and teaching experience

**Technology Education**

Program subject to change. Please contact the undergraduate advisor.

Within the EVT program, students can pursue state certification in Technology Education. In general, students enrolling in the Technology Education program are expected to have successfully completed, at a community college, most of the technical laboratory courses required for Florida Teacher Certification. Teacher certification requires students to have 30 semester hours, with three (3) semester hours in each of the following areas: (a) materials and processes, (b) drafting and design, (c) energy, (d) graphics, (e) electronics, (f) construction, and (g) industrial systems.

Students entering this program will have their transcripts evaluated to determine if all technical course requirements have been met. If the student has not completed the technical course requirements, the deficiencies may be corrected by enrolling in the required course(s) at a community college.
Since this evaluation procedure is unique to the Technology Education Program, the application for admission should clearly indicate the desired major field as Technology Education.

The program of studies includes both course work and extensive field experience in school settings. This is to enable students to integrate theory with teaching practice.

Technology Education students must complete the General Education Requirements of 36 semester hours. Prerequisites of 24 semester hours, the Professional Education Core Requirements of 25-30 semester hours, the Technical Course Requirements of 30 semester hours, and 19 semester hours in Adult and Vocational Education.

Specialization and Professional Education Core (19 cr. hrs.):
- EIA 3192 Technology Education and Society 4
- EIA 4360 Special Teaching Methods: Technology Education 3
- 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 Education**

The Childhood 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.

**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. Coursework will include internship and field experience. 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 must meet with the program coordinator prior to admission to the program. 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 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 K-6).

Degree and certification requirements are subject to change in accordance with state mandates. 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 EDUCATION: PRE-KINDERGARTEN/PRIMARY**

**Requirements for the B.S. Degree (BEC):** In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

**Prerequisites (State Mandated Common Prerequisites):**

These prerequisites must be met by transfer students as well as USF students. A grade of “C-” is the minimum acceptable grade.

- EDF X005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

For additional prerequisites see program requirements below.

**Professional Education Core (33 cr. hrs.):**
- EDF 4111 Child Growth and Learning 3
- EEC 4940 Senior Internship and Seminar 10-12
- EEC 4936 Senior Seminar 2
- EEC 4941 Field Experience I 3
- EEC 4942 Field Experience II 3
- EEC 4943 Field Experience III 3
- EDG 4909 Young Children With Special Needs 3
- EDG 4909 Assess., Eval., Reporting Progress 3
- EDG 4909 Second Language Acquisition 3
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 2

**Specialization (30 cr. hrs.):**
- EEC 4008 Literature in Early Childhood Education (Exit) 3
- OR
  - LAE 4414 Children’s Literature 3
  - EEC 4203 Programs for Young Children 3
  - EEC 4211 Integrated Curriculum: Science and Mathematics 3
  - EEC 4212 Integrated Curriculum: Social Sciences/Humanities & Art 3
  - EEC 4300 Cognitive Experiences for Young Children 3
  - EEC 4303 Creative and Affective Experiences for Young Children 3
The order in which these courses are to be taken is spelled out in the program of study.

**ELEMENTARY EDUCATION**

Requirements for the B.S. Degree (BEE): In addition to the courses listed below, students must complete “Preliminary Requirements for Students entering Teacher Education Programs.”

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of “C-” is the minimum acceptable grade.

- EDF 005 Introduction to Education
- EDE 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)^
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours of Humanities (to include Philosophy and Fine Arts)

^

- Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

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 designated in the program of study.

**Professional Education (35-36 credit hours):**

<table>
<thead>
<tr>
<th>Course</th>
<th>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 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4820</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDE 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>2-3</td>
</tr>
<tr>
<td>FLE 4315</td>
<td>Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4316</td>
<td>Language Principles and Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4909</td>
<td>Second Language Acquisition and Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4940</td>
<td>Internship</td>
<td>12</td>
</tr>
</tbody>
</table>

**Specialization (40 credit hours):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 4301</td>
<td>Classroom Management, School Safety, Ethics, Law, and Elementary Methods</td>
<td>3</td>
</tr>
</tbody>
</table>
*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

Recommended Courses:
- Literature Course (3 hours) - select from LIT, AML, ENL (LIT 2000 or ENL 3233 recommended)
- English Electives (9 hours) - to include advanced composition and media
- CRW 2100 or CRW X111 and MMC 2100 or ENC X310 and LIT 2046 or LIT X301 recommended

Professional Education (26 credit hours):
- EDF 3604 Social Foundations of Education (Exit) 3
- EDF 3214 Human Development and Learning 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 2
- Literacy Course 3
- Classroom Management Course 3

Specialization (45 credit hours):
- ENC 3310 Expository Writing 3
- LIT 3103 Great Literature of the World (Exit) 3
- WST 4410 Third World Women Writers (Exit) 3
- LAE 4469 World Literature for Middle and Secondary School Students 3
- AML 3031 American Literature to 1860 3
- AML 3032 American Literature 1860-1912 3
- AML 3051 American Literature 1912-1945 3
- 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
- LIT 3383 The Image of Women in Literature 3
- LIT 4386 British and American Literature by Women (Exit) 3
- LIN 3010 Introduction to Linguistics 3
- ENG 4060 History of the English Language 3
- LIN 3670 English Grammar and Usage 3
- LAE 4464 Adolescent Literature for Middle and Secondary Students (Exit) 3
- LAE 4323 Methods of Teaching English: Middle School (Must be taken with LAE 4323) 3
- LAE 4530 Methods of Teaching English: Practicum (Must be taken with LAE 4464) 3
- LAE 4335 Methods of Teaching English: High School (Must be taken with LAE 4335) 3
- LAE 4936 Senior Seminar in English Education 2
- LAE 4940 Internship: English Education 10

- LAE 4530 and LAE 4335 must be taken in the Fall or Spring immediately proceeding internship. LAE 4323 must be taken prior to LAE 4530. LAE 4464 must be taken concurrently with LAE 4323.

- **FOREIGN LANGUAGE EDUCATION**
  - Requirements for the B.S. Degree (BFS/BFF/BFI/BFG/BFR): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs." A minimum of 27 credit hours beyond intermediate course requirements must be earned in the foreign language. Programs are available for Spanish (BFS), French (BFF), Italian (BFI), German (BFG) and Russian (BFR).
  - Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of "C-" is the minimum acceptable grade.
    - EDF X005 Introduction to Education 3
    - EDG 2701 Teaching Diverse Populations 3
    - EME 2040 Introduction to Educational Technology 3
    - Nine (9) hours of Mathematics, excluding MAT 1033 (to include College Algebra or above and Geometry)*
    - Twelve (12) hours of Social Science (to include American History and General Psychology)
    - Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
    - One (1) Natural Science Course must have a lab component
    - Six (6) hours of International or Multicultural Focus
    - Nine (9) hours of English (to include Writing, Literature and Speech)
    - Six (6) hours Humanities (to include Philosophy and Fine Arts)
    - At least twelve (12) hours must come from the following areas: courses in elementary and intermediate grammar, and composition and advanced conversation, and culture and civilization in the target language.
  - *Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

Professional Education (39 credit hours):
- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 3
- FLE 4315 Teaching LEP Students K-12 3
- FLE 4316 Language Principles and Acquisition 1
- Literacy Course 3
- Classroom Management Course 3

Teaching Specialization (42 credit hours):
1. Foreign language (30)
   - Conversation and Composition 12
   - Literature 6
   - Culture and Civilization 6
   - Linguistics 3
   - Exit requirement language course 3
2. Foreign Language Education  
12 credit hours in methods of teaching a language at the elementary and secondary levels, including a practicum.  
Fall Term: FLE 4314  
Spring Term: FLE 4333  
Fall Term: FLE 4370  
Summer Term: FLE 4290

• 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 (see statement under main college heading).”

Prerequisites (State Mandated Common Prerequisites): 
These prerequisites must be met by transfer students as well as USF students. A grade of “C-” is the minimum acceptable grade.  
EDF X005 Introduction to Education  
EDG 2701 Teaching Diverse Populations  
EME 2040 Introduction to Educational Technology

• Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*  
• Twelve (12) hours of Social Science (to include American History and General Psychology)  
• Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)  
• One (1) Natural Science Course must have a lab component  
• Six (6) hours of International or Multicultural Focus  
• Nine (9) hours of English (to include Writing, Literature and Speech)  
• Six (6) hours Humanities (to include Philosophy and Fine Arts)  
• Other program prerequisites:  
Four (4) hours Calculus & Analytic Geometry I  
Four (4) hours Calculus & Analytic Geometry II  
Four (4) hours Electives in Mathematics  
Three (3) hours Computer Programming Language (applicable to microcomputer)

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

Professional Education (32 credit hours):  
EDF 3214 Human Development and Learning 3  
EDF 3604 Social Foundations of Education (Exit) 3  
EDG 4820 Curriculum and Instruction 3  
EDF 4430 Measurement for Teachers 3  
EEX 4070 Integrating Exceptional Students in the Regular Classroom 2  
FLE 4365 ESOL Competencies and Strategies 3  
MAE 4940 Internship: Mathematics Education 10  
MAE 4936 Senior Seminar in Mathematics Education 2

Specialization (30-31 credit hours):  
MAC 2313 Calculus III 4  
MAD 3100 Discrete Mathematics 3  
MAS 3105 Linear Algebra 3  
MAS 4214 Elementary Number Theory 4  
MAS 4301 Elementary Abstract Algebra 3  
MGF 3301 Bridge to Abstract Mathematics 4  
MIF 4403 Early History of Math (Exit) 3  
MTG 4212 Geometry 3  
MTG 3212 Geometry 3  
MAE 4430 Middle School Methods 3  
MAE 4330 Senior High School Methods 3  
MAE 4551 Reading the Language of Mathematics 3  
MAE 4652 Technology for Teaching 3  
MAE 4653 Technology for Teaching 3

Additional Specialization (15 credit hours):  
MAE 4652 Technology for Teaching 3  
Secondary School Mathematics I 3  
Secondary School Mathematics II 3

• 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.  
EDF X005 Introduction to Education  
EDG 2701 Teaching Diverse Populations  
EME 2040 Introduction to Educational Technology

• Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*  
• Twelve (12) hours of Social Science (to include American History and General Psychology)  
• Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)  
• One (1) Natural Science Course must have a lab component  
• Six (6) hours of International or Multicultural Focus  
• Nine (9) hours of English (to include Writing, Literature and Speech)  
• Six (6) hours Humanities (to include Philosophy and Fine Arts)  

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

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

Professional Education Core for all Tracks (32 credit hours):  
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 4820 Curriculum and Instruction 3  
EDG 4430 Measurement for Teachers 3  
EEX 4070 Integrating Exceptional Students in the Regular Classroom 2  
FLE 4365 ESOL Competencies and Strategies 3  
SSE 4940 Internship: Science Education 10
| SSE 4936 | Senior Seminar in Science Education | 1-2 |
| Classroom Management Course | 3 |

**Required Courses for All Science Education Majors (12 credit hours):**

- **SCE 4237 Science, Technology, Society (Exit) 3**
- or **CHM 4070 Historical Perspectives in Chemistry**
- or **PHY 4031 Great Themes in Physics** 
  (see specific major below)

- **SCE 4305 Communication Skills in Science 3**
- **SCE 4320 Teaching Middle Grade Science 3**
- **SCE 4330 Teaching Methods in Secondary School Science 3**

For Biology Majors:

- **SCE 4237 or CHM 4070 or PHY 4031**

For Chemistry Majors:

- **SCE 4237 or BSC 4057 or PHY 4031**

For Physics Majors:

- **SCE 4237 or CHM 4070 or BSC 4057**

### Biology Education

**Prerequisites (38 credit hours):**

- **BSC 2010 Biology I* 3**
- **BSC 2010L Biology I Lab* 1**
- **BSC 2011 Biology I**
- **BSC 2011L Biology I Lab* 1**
- **CHM 2045, 2045L General Chemistry I and Lab**
- **CHM 2046, 2046L General Chemistry II and Lab**
- **PHY 2048, 2048L General Physics I and Lab** 
  (with Calculus)
- **PHY 2049, 2049L General Physics II and Lab** 
  (with Calculus)
- **PHY 2053, 2053L General Physics I Lab**
- **PHY 2054, 2054L General Physics II Lab**
- **Science Elective (Earth Science Only) 3**

**Specialization (33 credit hours):**

- **BSC 2093 Human Anatomy Physiology 3**
- **CHM 2046 General Chemistry II with lab 4**
- **PHY 2054 General Physics II with lab 4**

**Additional Requirements**

- **MAC 2281 Engineering Calculus I 4**

### Chemistry Education

**Prerequisites (39 credit hours):**

- **CHM 2045 General Chemistry I* 3**
- **CHM 2045L General Chemistry Lab* 1**

**Specialization (32 credit hours):**

- **CHM 2210, 2210L Organic Chemistry and Lab 4**
- **CHM 3120C Elementary Analytical Chemistry 3**
- **CHM 3400 Elementary Physical Chemistry I 3**
- **CHM 3610, 3610L Intermediate Inorganic Chemistry and Lab 4**
- **CHM 4070 Historical Perspectives in Chemistry 3**
- **BCH 3023 Introductory Biochemistry 3**
- **SCE 4320 Teaching Methods in Middle Grades Science 3**
- **SCE 4330 Teaching Methods in Secondary School Science 3**
- **SCE 4305 Reading and Communication Skills in Science 3**
- **SCE 4237 Science, Technology, Science Interaction 3**
- **BSC 4057 Environmental Issues 3**
- **PHY 4031 Great Themes in Physics 3**

**Specialization (30 credit hours):**

- **PHY 2020 Conceptual Physics 3**
- **PHY 3101 Modern Physics 3**
- **PHY 3221 Mechanics I 3**
- **PHY 3323C Electricity and Magnetism 3**
- **PHY 4031 Great Themes in Physics 3**
- **Physics Electives (Select from PHY3 to PHY5, PHZ3 to PHZ5)**
- **Computer Applications in Physics 3**
- **SCE 4320 Teaching Methods in Middle Grade Science 3**
- **SCE 4330 Teaching Methods in Secondary School Science 3**
- **SCE 4305 Reading and Communication Skills in the Science Classroom 3**
Science Education department to fulfil the State Mandated

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.

- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)
- Three (3) hours American Government
- Three (3) hours Anthropology
- Three (3) hours Cultural Geography
- Three (3) hours Economics
- Three (3) hours History
- Three (3) hours Psychology
- Three (3) hours Sociology

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

The following are the courses recommended by the Social Science Education department to fulfill the State Mandated Common Prerequisites:

1. POS 2041 American National Government
2. ANT 2000 Introduction to Anthropology
3. GEA 2000 Global Geography
4. ECO 1000 Basic Economics
5. SYG 2000 Introduction to Sociology

Department of Educational Measurement and Research
The Department of Educational Measurement and Research offers EDF 4430, Measurement for Teachers, which is required of all students enrolled in teacher education programs. The objectives of this course include designing and applying classroom tests and other assessment devices, including alternative assessments, monitoring student progress and communicating student achievement. Emphasis is placed on assessment and instruction as integrated activities. The course is offered through a web-based or a classroom-based format.

School of Physical Education, Wellness and Sports Studies
The School of Physical Education, Wellness, and Sports Studies teaches a variety of Elective Physical Education courses and conducts Professional Physical Education Teacher Preparation K-8 and 6-12 Programs, Wellness Leadership Program, and an Athletic Training Program.
- PHYSICAL EDUCATION ELECTIVE PROGRAM

Physical Education elective 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 Major (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
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)
- Anatomy & Physiology I 3-4
- Care and Prevention of Athletic Injuries 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

- Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement. gram 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 Major:

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 Ed. 3
PET 3640 Adapted Physical Education 3
PET 3943 Physical Education Internship: Middle School 3
PET 4400 Managerial, Ethical, and Organizational Aspects of Physical Education 3
PET 4401 Organization and Administration of Physical Education Programs 3
PET 4432 Instructional Design & Content: Physical Education Elementary 3
PET 4433 Instructional Design & Content: Physical Education Elementary II 3
PET 4942 Physical Education Pre-Internship: Elementary 4
PET 4946 Internship in Teaching Physical Education: Elementary 12
RED 4310 Reading and Learning to Read 3

Recommended:

HSC 2400 First Aid 3

6-12 Physical Education Major (BPS):
Prerequisites (State Mandated Common Prerequisites):

These prerequisites must be met by transfer students as well as USF students. A grade of “C-” is the minimum acceptable grade.

- EDF X005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)
- Anatomy & Physiology I 3-4
- Care and Prevention of Athletic Injuries 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

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement

### Professional Education Core (for All Majors):
- PET 3310 Kinesiology 3
- PET 3351 Exercise Physiology I 3

### Additional Required Courses For 6-12 Major:
- EDF 3604 Social Foundations of Education (Exit) 3
- EDF 4430 Measurement for Teachers 3
- EDF 4131 Learning and the Developing Adolescent 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 3943 Physical Education Internship: Middle School 4
- PET 4304 Principles & Issues in Coaching 3
- PET 4400 Managerial, Ethical and Organizational Aspects of Physical Education 3
- PET 4401 Organization & Administration of Physical Education Programs 3
- PET 4442 Instructional Design & Content: Physical Education Secondary 3
- PET 4443 Instruction Design & Content: Physical Education Secondary I 3
- PET 4944 Physical Education Pre-Internship: Secondary 4
- PET 4947 Internship in Teaching Physical Education: Secondary 12
- RED 4310 Reading and Learning to Read 3

### Recommended:
- HSC 2400 First Aid 3

### For Wellness Leadership Major (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
  - or Human Anatomy and Physiology II 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.

### Additional Courses Required For Wellness Leadership Major:
- ADE 4384 Working with the Adult Learner 3
- GED 3604 Behavior Change in Later Life 3
- HLP 4941 Wellness Internship 12
- HUN 2201 Nutrition 3
- PEM 2131 Weight Training 2
- PEP 3940 Practicum in Health Promotion/Wellness Leaders 3
- PEP 3951 Communications Skill for Wellness Leaders 3
- PEQ 3170 Aquatic Exercise 2
- PET 3080 Survey of Wellness Programs 3
- PET 3931 Teaching Aerobic Dance/Exercise 1-3
- PET 4404 Organization & Administration of Wellness Programs 3
- PET 4353 Exercise Physiology II 3
- PET 4384 Health Fitness Appraisal & Exercise Prescription 3

### For Athletic Training Major (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 NATABOC Certification Examination and the State of Florida Athletic Trainer Licensure Examination. Interested students should visit our web site (http://pe.usf.edu/) and attend an organizational meeting held on the first Thursday of each semester. The website offers students a proposed four-year course sequence, a description of the program, a listing of approved clinical sites, on-line application forms and more.

### Athletic Training Program Major Requirements:
- In order to be admitted to the Athletic Training Program Track, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during the Fall Semester of each academic year. Students must have completed at least 60 semester credit hours prior to the fall of their track entrance. In addition to being admitted to the University of South Florida, students must also apply directly to the School of Physical Education, Wellness, and Sport Studies before March 1st for priority admission consideration into the Athletic Training Program Track. Students applying after March 1st and before August 1st will be accepted only on a space available basis.

1. **Admission Criteria:** Students must:
   a. submit academic transcripts from all previously attended colleges.
   b. meet the criteria for admission to the College of Education. (exemption from the three common course prerequisites; EDF2005, EDG 2701, and EME 2040)
   c. submit a completed Athletic Training Application by March 1st.
   d. meet the technical standards for admission or show potential for accomplished tasks.
Professional Education Core (34-39 cr. hrs.):

Program, typically in the junior year.

Foundational to later professional specialization. Consequently, these courses contribute to the students’ understanding of educational programs available in the College of Education but provides courses for all students majoring in the wide array of Education does not offer a specific major or degree program, but understanding 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 full-day internships. All part-time field experiences must be assigned to teams. All courses are taken with the assigned team. Since no teams start in the summer, there are no full-day internships. All part-time field experiences must be 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 addition the department offers:
- EDF 3228 Human Behavior and Environmental Selection 3
- EDF 3542 Philosophy of Education 4
- EDF 4905 Independent Study: Educational Foundations 1-3
- EDF 4909 Directed Study: Educational Foundations 1-3
- EDF 5136 Adolescence 4
- EDF 5285 Programmed Instruction and Teaching Machines 3
- EDF 5607 Trends in Social-Political Foundations of Schooling in the U.S. 3
- EDF 5672 American Democracy and Public Education 1
- IDS 3115 Values and Choices 3

The Counselor Education program offers undergraduate courses focusing on human services skill development, decision-making and personal growth. Course content contributes to student success in academic and personal endeavors and may serve to orient students to graduate work in human services fields.

- MHS 4001 Introduction to Guidance Processes 3
- MHS 4052 Human Relations Skills in Counseling 4
- MHS 4905 Independent Study: Guidance and Counseling Education 1-4
- SDS 4040 Introduction to Student Personnel Work in Higher Education 2
- SLS 1101 The University Experience 2

Department of Special Education

The Department of Special Education prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a state-approved program that leads to certification in Varying Exceptionalities.

- EDF 4905 Independent Study: Guidance and Counseling Education 1-4
- SDS 4040 Introduction to Student Personnel Work in Higher Education 2
- SLS 1101 The University Experience 2

Prerequisites (State Mandated Common Prerequisites):

- EDF X005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
Eligible to vote for all officers. Elections of the college. The Council leadership team consists of five areas held annually; all pre-education and education majors are members. 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.

Professional Education Core (31 credit hours):
The required courses in the professional education core are as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4941</td>
<td>Practicum in ESE</td>
<td>6</td>
</tr>
<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 (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315</td>
<td>Teaching LEP Students K-12</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4316</td>
<td>Language Principles and Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>EEX 4940</td>
<td>Internship: Exceptional-Student Education</td>
<td>9</td>
</tr>
<tr>
<td>EEX 4936</td>
<td>Senior Seminar in Exceptional Student</td>
<td>1</td>
</tr>
</tbody>
</table>

Area of Specialization

Varying Exceptionalities (BPX)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4011</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4054</td>
<td>Perspectives on Learning and Behavioral</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4221</td>
<td>Educational Assessment of Exceptional</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4243</td>
<td>Education of the Exceptional Adolescent and</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4604</td>
<td>Behavior Management for Special Needs and</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4742</td>
<td>Narrative Perspectives on Exceptionality:</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4846</td>
<td>Clinical Teaching in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EMR 4011</td>
<td>Mental Retardation and Developmental</td>
<td>3</td>
</tr>
<tr>
<td>LAE 4314</td>
<td>Teaching Writing</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4310</td>
<td>Teaching Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>RED 4310</td>
<td>Early Literacy Learning</td>
<td>3</td>
</tr>
<tr>
<td>RED 4511</td>
<td>Literacy in the Intermediate and Middle</td>
<td>3</td>
</tr>
</tbody>
</table>

Student Organizations and Activities

COLLEGE OF EDUCATION STUDENT COUNCIL

The College of Education Student Council represents the interests of education majors in regard to policies and needs of the college. The Council leadership team consists of five officers (President, Vice-President, Secretary, Treasurer, and Historian) and seven Student Government Senators. Elections are held annually; all pre-education and education majors are eligible to vote for all officers. C.E.S.C. activities enhance members' professional growth, provide opportunities for professional and community service, and serve as a forum for socialization. Any student majoring in education with a minimum GPA of 2.0 is eligible to participate in C.E.S.C.

CHILDHOOD EDUCATION ORGANIZATION

The Association for Childhood Education International is a non-profit professional organization concerned with the education and well-being of children birth to early adolescence. Members are located throughout the United States. The USF chapter works directly with children through observation, projects, and programs. In addition, it provides opportunities for students to attend study conferences throughout the state of Florida which allows the student an opportunity for professional growth and exchange of professional ideas. Membership is open to all students, including freshmen, concerned with children from birth to early adolescence.

STUDENT ATHLETIC TRAINERS' ASSOCIATION (SATA)

The role of this organization shall be to provide students an opportunity for professional growth and exchange of professional ideas in the field of sports medicine. Activities of SATA include opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

STUDENT COUNCIL FOR EXCEPTIONAL CHILDREN

The Student Council for Exceptional Children [SCEC] is an organization of those members of the University interested in the education of children who are gifted, emotionally disturbed, physically handicapped, mentally retarded, or have specific learning disabilities. Activities of the USF Chapter include field trips to various special educational facilities, opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.

NATIONAL EDUCATION ASSOCIATION STUDENT PROGRAM (NEASP)

The National Education Association extends its usual benefits to student teachers, providing opportunities for professional growth, leadership training, and also $1 million in scholarships. Activities of NEASP 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.

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

ADULT, CAREER & HIGHER EDUCATION

CHILDHOOD/LANGUAGE ARTS/READING EDUCATION

EDUCATIONAL MEASUREMENT AND RESEARCH

PHYSICAL EDUCATION, WELLNESS, AND SPORTS STUDIES


PSYCHOLOGICAL AND SOCIAL FOUNDATIONS


SECONDARY EDUCATION


SPECIAL EDUCATION

MISSION STATEMENT
The mission of the USF College of Engineering is to continuously aspire to excellence in teaching, research and public service. The College values academic excellence, professionalism, ethics and cultural diversity among its students, staff and faculty. The College is committed to addressing the needs of its constituencies and gives careful consideration to the urban and suburban populations in our service area.

At the undergraduate level the College is committed to provide students with a strong, broad-based, fundamental engineering education as preparation for careers in industry in a global environment, and government, or as preparation for advanced studies in professional schools of engineering, science, law, business and medicine.

At the graduate level students work in close collaboration with faculty, pursuing advanced topics within their disciplines, which will result in advancements in their fields and society at large.

Utilizing the expertise of its individual and collective faculty, the College is dedicated to the development of new fundamental knowledge and processes or procedures, which will benefit all humanity. The College promotes multi-disciplinary approaches, commitment to life-long learning and awareness of societal issues, which are requisite for meeting technological challenges.

The College provides technical assistance and technology transfer to the region, state and nation. In all facets of teaching, research and service, the College emphasizes close liaison with industry and government to provide students and faculty with the skills and perspectives needed to ensure effective technological leadership.

**********

The College of Engineering offers undergraduate and graduate programs to prepare students for a broad spectrum of professional careers in engineering. Laboratory experience as well as real-world participation in technological problem-solving is a key aspect of a professional engineer’s college education. The College of Engineering, in implementing this need, augments its own modern laboratory and research facilities in close collaboration with the professional societies and many industries in the metropolitan Tampa Bay area.


The engineering programs of the College have been developed with an emphasis on three broad aspects of engineering activity: design, research, and the operation of complex technological systems. Students who are interested in advanced design or research should pursue the 5-Year Program leading to a Master of Science degree in a designated Engineering discipline. The Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET) has inspected and accredited the Engineering programs of the College (Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering and Mechanical Engineering). The Bachelor of Science program in Computer Science is accredited by the Computing Accreditation Commission (CAC) of ABET.

The Departments and Programs section that follows contains descriptions of the engineering degrees offered by the College. The “Four Year Programs” section includes courses students need to take, beginning with their first semester at USF, to earn the Bachelor of Science in Engineering degree.

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 the various engineering disciplines 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. The baccalaureate degree is considered the minimum educational credential for participating in the engineering profession and 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 committed to it.

The Bachelor of Science degree program in a designated engineering discipline and the Master of Science degree in the same discipline may be pursued simultaneously in a program called the Five-Year Program.

Professional Registration
Students who have attained senior status, and are in good academic standing in an ABET accredited Engineering Program, are eligible to register for examinations leading to licensure as Professional Engineers. The first examination, called the Fundamentals of Engineering (FE) Exam, is offered by the Florida Board of Professional Engineers and is usually taken the semester prior to graduation. In addition to the knowledge acquired through the engineering curriculum, many students take advantage of review courses offered by the Engineering Student College Council and the College of Engineering’s distance education program, FEEDS, to prepare for the Fundamentals of Engineering Examination. Registering for the FE exam during the senior year is strongly encouraged for students graduating with an engineering 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 for their prospective program, which are more stringent than the University’s minimum entrance requirements.

The high school student anticipating a career in engineering should elect the strongest academic program that is available.
while in high school, including four years each of English, mathematics and science (preferably including Chemistry, Physics, and Biology), as well as full programs in the social sciences and humanities.

Prospective students considering engineering at the University of South Florida who lack certain preparation in high school must elect to follow a program to overcome their deficiencies. Alternatives for these students, classified as "Pre-Engineering majors" might include preparatory coursework at the University of South Florida. As another alternative, students may wish to avail themselves of the State's system of junior/community colleges which offer a wide range of preliminary coursework; many of these schools also offer full programs in pre-engineering (first two years' coursework).

Junior/community college students planning to transfer to the University of South Florida's engineering program 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. In general engineering courses taken for military training, at the lower level, or as part of an A.S. or technology degree are not transferable to the engineering programs. 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 in good standing academically.

**COLLEGE OF ENGINEERING ADMISSION REQUIREMENTS**

Students meeting or exceeding the below criteria are granted direct entry to the College. Others are classified "Pre-Engineering." Pre-Engineering students are admitted to the College after completing required pre-requisite courses. Additional requirements must be met prior to admission to specific degree programs.

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:** 2.5/4.0.

2. **Transfer Students:**
   a. **Engineering**
      - Florida community college transfer students that have completed the courses shown below with a minimum grade of "C" are accepted directly into the College of Engineering. Additional requirements must be met prior to admission to specific degree programs.
      - **Communications:** ENC 1101/1102 English I and II (6)
      - **Humanities & Social Sciences:** Humanities Courses (6)
      - **Social Science Courses:** (6)
      - **Humanities or Social Sciences:** (3)
      - **Mathematics:**
        - USF: MAC 2281 MAC 2311 (4)
        - MAC 2282 MAC 2312 (4)
        - MAC 2283 MAC 2313 (4)
        - MAP 2302 MAP 2302 (3)
        - *or MAC 2281, MAC 2282, MAC 2283
      - **Natural Sciences:**
        - USF: CHM 2045 CHM 1045* (3)
        - CHM 2045L CHM 1045L* (1)
        - PHY 2048 PHY 2048 (3)
        - PHY 2048L PHY 2048L (1)
        - PHY 2049 PHY 2049 (3)
        - PHY 2049L PHY 2049L (1)
        - *or CHS 1440 Chemistry for Engineers
      - **Computer Science**
        - Computer Science students into the Computer Science program from a Florida community college are not required to have the Chemistry course indicated above.
      - **Information Systems**
        - Information Systems Transfer students into the Information Systems program from a Florida community college are not required to have Calculus III or the Chemistry course indicated above.

   All other transfer students should contact the College’s Admission Office (813/974-2684).

**REQUIRED PREREQUISITES FOR ENTERING ENGINEERING PROGRAMS**

Once a student has been admitted to the College of Engineering, he/she must then seek admission into one of the specific departments. Departmental admissions requirements vary by program. Students considering transferring to USF should familiarize themselves with the requirements for their intended department as early as possible. Students admitted to the University of South Florida and the College of Engineering must qualify for the program of their choice by completing the courses and successfully meeting the GPA criteria detailed below. Unless otherwise stated, required math, science or engineering courses must be completed with a grade of C or better, not a C-.

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.
Bachelor of Science in Electrical Engineering

- Completion of MAC2311 or MAC2281, MAC2312 or MAC2282, MAC2313 or MAC 2283
- PHY2048, PHY2048L, PHY2049, PHY2049L
- CHM2045, CHM2045L
- With a minimum grade of C in each course.
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0

Bachelor of Science in Information Systems

- Completion of MAC2311 or MAC2281, MAC2312 or MAC2282, MAC2313 or MAC 2283
- PHY2048, PHY2048L, PHY2049, PHY2049L
- CHM2045, CHM2045L
- With a minimum grade of C in each course.
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0

Bachelor of Science in Civil Engineering

- Completion of ENC1101, ENC1102
- MAC2311 or MAC2281, MAC2312 or MAC2282
- PHY2048, PHY2048L, PHY2049, PHY2049L
- With a 3.0 GPA (based on best attempt in these courses)
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0

Bachelor of Science in Computer Science and Engineering

- Completion of ENC1101, ENC1102
- MAC2311 or MAC2281, MAC2312 or MAC2282
- PHY2048, PHY2048L, PHY2049, PHY2049L
- With a minimum grade of C in each course.
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0

Bachelor of Science in Chemical Engineering

- Completion of MAC2311 or MAC2281, MAC2312 or MAC2282, MAC2313 or MAC 2283
- PHY2048, PHY2048L, PHY2049, PHY2049L
- CHM2045, CHM2045L
- With a minimum grade of C in each course.
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0

The Department of Electrical Engineering

- Completion of MAC2311 or MAC2281, MAC2312 or MAC2282, MAC2313 or MAC 2283
- PHY2048, PHY2048L, PHY2049, PHY2049L
- CHM2045, CHM2045L
- With a minimum grade of C in each course.
- A minimum overall GPA of 2.0
- A minimum USF GPA of 2.0
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 of Chemical Engineering (M.C.H.E.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Chemical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Chemical Engineering. Topics included are thermodynamics, fluid flow, heat transfer, mass transfer, separation processes, reactors, instrumentation and process control, economics, optimization, computational methods, microcomputer aided design techniques, and process/plant design. These courses, together with mathematics, physics, chemistry, core interdisciplinary engineering fundamentals, English, and liberal arts courses, provide the basis for long-range professional progress. Because of the many professional areas available for employment to the chemical engineer, the students are also required to take a number of electives from areas such as biotechnology, materials, and environmental engineering. These electives are designed to broaden the experience, and, therefore, the employment possibilities of our graduates. The Chemical Engineering Department also offers a sequence of courses in Chemical Engineering Science, biotechnology and biomedical engineering.

A sequence of courses in the engineering aspects of biotechnology is currently available within the Chemical Engineering program. Topics include applied microbiology, fermentation, enzyme technology, cell separation technology, biomedical engineering, biomaterials, biotechnology, and biomathematics.

CIVIL AND ENVIRONMENTAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Civil Engineering (B.S.C.E.)

Graduate Degrees Offered:
Master of Science in Civil Engineering (M.S.C.E.)
Master of Science in Environmental Engineering (M.S.E.V.)
Master of Civil Engineering (M.C.E.)
Master of 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 multi-story 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.Cp.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, 5) 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 (M.S.E.)
Master of Science in Engineering Science (M.S.E.S)
Doctor of Philosophy in Electrical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers study in all areas fundamental to Electrical Engineering and the electrical sciences: circuit 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, and 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.)
MECHANICAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Mechanical Engineering (B.S.M.E.)
Graduate Degrees Offered:
Master of Mechanical Engineering (M.M.E.)
Master of Science in Mechanical Engineering (M.S.M.E.)
Master of Engineering (M.E.)
Doctor of Philosophy in Mechanical Engineering (Ph.D.)

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

Graduates of this program are employed in research, design, production, marketing, service, installation (contracting), maintenance and operation in such industries as mining, petroleum, paper, food, power, manufacturing, air-conditioning, defense systems, aerospace, data processing, communications, and automotive.

Laboratories are available for basic instrumentation, thermal and fluid sciences, solid mechanics, data acquisition and control, CAD/CAE, vibrations, and aerodynamics.

Preliminary Coursework for Engineering Students

The College of Engineering Bachelor of Science programs are founded on a set of coursework that 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
  - Mathematics
  - Chemistry and Physics
  - Engineering Courses
- Department Specialization
  - Special course requirements exist for Chemical Engineering, Computer Engineering, Computer Science, and Information Systems. Students selecting any of these disciplines should be aware of their specific requirements. Students may consult the degree-granting department or the College’s Advising Office for detailed information.

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.

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, micro- 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 a 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.

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.

Students qualify for direct entry to their intended department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

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

Chemical Engineering Admissions Requirements
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 a USF and an overall GPA of 2.0 or better.

The schedule that follows indicates how a diligent student who can devote full time to coursework can satisfy requirements in four academic years. Students without a solid foundation or those who cannot devote full time to academics should plan a slower pace.

Semester I
ENC 1101 Composition I 3
MAC 2281 Engineering Calculus I 4
CHM 2045 General Chemistry I 3
EGN 3000 Foundations of Engineering 1
ALAMEA Perspectives Elective 3
Fine Arts Elective 3
Total 17

Semester II
ENC 1102 Composition II 3
MAC 2282 Engineering Calculus II 4
CHM 2046 General Chemistry II 3
CHM 2045L General Chemistry I Lab 1
PHY 2048 General Physics I 3
PHY 2048L General Physics I Lab 1
Historical Perspectives Elective 3
Total 18

Semester III
MAC 2283 Engineering Calculus III 4
CHM 2046L General Chemistry II Lab 1
PHY 2049 General Physics II 3
PHY 2049L General Physics II Lab 1
EGN 3311 Statics 3
ENC 3211 Communications for Engineers (6A L&W) 3
Total 15

Semester IV
PHY 2049L PHY 2049L (1)
PH 2049L PHY 2049L (1)
PHY 2049L PHY 2049L (1)
PHY 2049L PHY 2049L (1)
*or CHS 1440 Chemistry for Engineers

Total 18
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 the strong technical education needed for a career in civil engineering.
2. The Department will provide undergraduate students with an education that prepares them to perform effectively in the workplace with the communication skills needed to deal with co-workers, clients, and the public.
3. The Department will provide undergraduate students with an education that allows them to understand the societal implications of engineering decisions and designs in both a local and global context and the ethical training to evaluate those implications.
4. The Department will provide undergraduate students with an education that promotes the full and continuing development of their potential as engineers and effective members of society.

Concentrations

In addition to designated common coursework in engineering mechanics, civil, and environmental engineering, students undertake a concentration of 9 hours of coursework plus a 3-hour capstone design course.

Departmental Policies

In addition to the College’s graduation requirements, the Department has the following policies:

1. Advising is mandatory prior to each term,
2. Exit Interviews are a graduation requirement for all students;
3. Only 2 "D" grades in engineering courses may be used to fulfill graduation requirements.
4. Students are strongly advised to take the Fundamental Exam (F.E.)

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.

Students qualify for direct entry to their intended department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all of the other admissions requirements of the University and College.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:
Communications:
ENC 1101/1102 English I and II (6)

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

Mathematics:
USF C/C
- MAC 2281 MAC 2311* (4)
- MAC 2282 MAC 2312* (4)
- MAC 2283 MAC 2313* (4)
- MAP 2302 MAP 2302 (3)

Natural Sciences:
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 MAC 2281, MAC 2282, MAC 2283

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 a USF and overall GPA of 2.0 or better.

Semester I
- ENC 1101 Composition I 3
- MAC 2281 Engineering Calculus I 4
- CHM 2045 General Chemistry I 3
- CHM 2045L General Chemistry I Lab 1
- EGN 3000 Foundations of Engineering 1
- Social Science Elective 3
- Total 15

Semester II
- ENC 1102 Composition II 3
- MAC 2282 Engineering Calculus II 4
- CHM 2046 General Chemistry II 3
- PHY 2048 General Physics I 3
- PHY 2048L General Physics I Lab 1
- EGS 1113 Introduction to Design Graphics 3
- Total 17

Summer Semester
- ALAMEA Perspective Elective 3
- Historical Perspective Elective 3
- EGN 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
- EG3 311 Statics 3
- Historical Perspectives Elective 3
- EGN 3211 Communication for Engineers (6A L&W) 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 3
- CGN XXXXL Materials Lab 1
- Total 15

Semester V
- EGN 3353 Fluid Mechanics 3
- EGN 3331 Mechanics of Materials 3
- EGN 3331L Mechanics of Materials Lab 1
- ENV 4001 Environmental Engineering I 3
- TTE 4004 Transportation Engineering I 3
- EGN 4420 Numerical and Computer Tools 3
- Total 16

Semester VI
- CES 3102 Structures I 3
- CWR 4202 Hydraulics 3
- CWR XXXXL Hydraulics Lab I 1
- EGN 3373 Introduction to Electrical Systems I 3
- GLY 3850 Geology for Engineers 3
- Total 13

Semester VII
- CEG 4011 Geotechnical Engineering I 3
- CEG 4011L Geotechnical Engineering Lab 1
- CE Concentration Elective 3
- CE Concentration Elective 3
- Fine Arts Elective 3
- Total 13

Semester VIII
- CEG 4122 Professional/Ethical Issues in Engineering (MW/MI) 3
- CE Concentration Elective 3
- CE Concentration Elective 3
- CE Capstone Design Requirement (MW/MI) 3
- Social Science Elective 3
- Total 15

Gordon Rule (6A) is fully met through the mathematics courses above, ENC1101, ENC1102, ENC3211 and by selecting one technical or general education elective that is an approved 6A communication course or by completing an AA degree at a Florida Community College.

Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC3211 and a Capstone Design Course indicated as MW/MI.

CIVIL ENGINEERING CONCENTRATION AND CAPSTONE DESIGN REQUIREMENTS

The following is a list of possible concentration electives that students may take. It is important that students adhere to prerequisites and corequisites in choosing their electives.

- CCE 4034 Construction Management
- CEG 4012 Geotechnical Engineering II
- CES 4605 Concepts of Steel Design
- CGN 4702 Concepts of Concrete Design
- CGN 4851 Concrete Construction Materials
- CGN 4933 Transportation and Society
- CWR 4103 Water Resources I
- CWR 4541 Water Resources II
- ENV 4417 Water Quality & Treatment
- TTE 4005 Transportation Engineering II

Sample tracks for Specialization Areas

Water Resources/Environmental Engineering
- CWR 4103 Water Resources I 3
- CWR 4541 Water Resources II 3
- ENV 4417 Water Quality and Treatment 3
5. Using their knowledge of basic computing principles, our computer engineering graduates will have a thorough understanding of computing. 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's of computers, as well as in the design of computer systems. They are often involved in the systems level definition of information processing complexes for both manufacturers of computers and for users. A wide and expanding variety of design and applications opportunities characterize this field. The rapid growth and continual change within this field makes it essential for students to acquire a broad foundation in applied mathematics and the physical sciences, and to develop communication skills and to become familiar with the domains of potential computer application in the Humanities and Social Sciences. Research and development opportunities as a computer scientist and engineer, often following graduate education, are present in the areas of computer architecture and VLSI design, artificial intelligence, software engineering, digital data communications, software testing, robotics, database, networks, user interface, fault-tolerant computing and testing, computer graphics, image processing and computer vision, and simulation.

Students may, with the help of an advisor, formulate their own track to meet the requirements for a bachelor's degree in civil engineering. This track will consist of four electives coupled with a capstone design course (15 credit hours).

### COMPUTER SCIENCE AND ENGINEERING

**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 those 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.

### Four-Year Curriculum in Computer Science

**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 freshmen 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>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG 4012</td>
<td>Geotechnical Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4812</td>
<td>Capstone Water Resources/Environmental Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Structures/Materials**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4605</td>
<td>Concepts of Steel Design</td>
<td>3</td>
</tr>
<tr>
<td>CES 4702</td>
<td>Concepts of Concrete Design</td>
<td>3</td>
</tr>
<tr>
<td>CGN 4911</td>
<td>Concrete Construction Material</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CES 4740</td>
<td>Capstone Structural/Geotechnical/</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Materials Design</td>
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</tbody>
</table>

**Transportation/Geotechnics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTE 4005</td>
<td>Transportation Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4012</td>
<td>Geotechnical Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CGN 4933</td>
<td>Transportation and Society</td>
<td>3</td>
</tr>
<tr>
<td>CEG 5115</td>
<td>Foundation Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4850</td>
<td>Capstone Geotechnical/Transportation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Design</td>
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</tbody>
</table>

Students may, with the help of an advisor, formulate their own track to meet the requirements for a bachelor’s degree in civil engineering. This track will consist of four electives coupled with a capstone design course (15 credit hours).
Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

COP  XXXX* 3
MAC X311 4
MAC X312 4
PHY X048/X048L 4
PHY X049/X049L 4
PHY X049C 4

*Introductory Programming in Ada, C, C++, or PASCAL or equivalent language.

Natural Sciences:

XXX XXXX** 6

**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 to be admitted to the department. Admission to the major requires successful completion of COP 2510, CDA3103 and COP3514 with the required grades.

**Semester I**

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**Summer Semester**

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<td>EGN 4450</td>
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<td>STA 4442</td>
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<td>CS&amp;E Software Elective</td>
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**Semester VII**

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**Semester VIII**

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Gordon Rule (6A) is fully met through the mathematics courses above, ENC1101, ENC1102, ENC3211 and CIS4250 or by completing an AA degree at a Florida Community College. Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC3211 and CIS4250.

**Four-Year Curriculum in Computer Engineering**

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

**Communications:**

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**Humanities & Social Sciences:***

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<td>Social Science Courses</td>
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**Mathematics:**

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<td>MAC 2282</td>
<td>3</td>
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<td>MAC 2312*</td>
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<td>MAC 2313*</td>
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<td>MAP 2302</td>
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*or MAC 2281, MAC 2282, MAC 2283
### Natural Sciences:

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<td>PHY 2049L</td>
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<td>*or CHS 1440 Chemistry for Engineers</td>
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Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

### 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 to be admitted to the department. Admission to the major requires successful completion of COP 2510, CDA3103 and COP3514 with the required grades.

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<td>PHY 2048</td>
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<td>COP 2510</td>
<td>Programming Concepts</td>
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<th>Course</th>
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<td>COT 3100</td>
<td>Intro Discrete Structures</td>
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<td>COP 3514</td>
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<td>MAP 2302</td>
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<td>CDA 3201</td>
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<td>EGN 3443</td>
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<td>EGN 3373</td>
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### Four-Year Curriculum in Information Systems

**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.

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<table>
<thead>
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<td>MAC X312</td>
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<td>PHY X048/X048L</td>
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<td>PHY X049/X049L</td>
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<tr>
<td>or PHY X049C</td>
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*Programming in Ada, C, C++, or PASCAL or equivalent language.

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<tr>
<th>Natural Sciences:</th>
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<tr>
<td>XXX XXXX**</td>
<td>6</td>
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**Two (2) science courses for science majors.

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

### Department Admissions Requirements

Transfer students must have completed the equivalent USF Composition I & II, Engineering Calculus I & II and General Physics I & II (with labs) with an overall grade point average of
<table>
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<td>ENC 1101</td>
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<td>AGC 2021</td>
<td>Principles of Accounting I</td>
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<td>PHY 2049/2054</td>
<td>Physics II</td>
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<td>STA 2023</td>
<td>Intro to Statistics</td>
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<td>III</td>
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<td>COT 3100</td>
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<td>ECO 2023</td>
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| Gordon Rule (6A) is fully met through the mathematics courses above, ENC1101, ENC1102, ENC3211 and CIS4250 or by completing an AA degree at a Florida Community College. Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC3211 and CIS4250. |

## ELECTRICAL ENGINEERING

### Mission Statement

The mission of the Electrical Engineering Department at the University of South Florida is to provide internationally recognized educational programs; to conduct and disseminate internationally recognized research benefiting humanity; to provide service to society; and to emphasize the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which engineering is practiced.

### Objectives

The Department objectives are to produce graduates

1. with the knowledge and skills necessary to practice Electrical Engineering successfully.

2. who can pursue advanced topics through graduate or professional studies.

3. 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.

4. Students completing this program normally pursue industrial careers in electronics, communications, power and controls, digital systems, microelectronics, and information systems.

### Four-Year Curriculum in Electrical Engineering

#### Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:

- If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

- Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted.
Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College. 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 2281, 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.

### 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 I
- 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 II
- 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 15

#### Semester III
- MAC 2283 Engineering Calculus III 4
- PHY 2049 Physics II 3
- PHY 2049L Physics Lab II 1
- EGN 3443 Engineering Statistics 3
- EGN 3613 Engineering Economy I 3

Total 14

#### Semester IV
- MAP 2302 Differential Equations 3
- EGN 3420 Engineering Analysis 3
- EGN 3373 Electrical Systems I 3

Total 15

### Gordon Rule (6A)
- EEL 2161 EE Computing Methods 3
- EEL 493X Electronic Materials 3
- Total 15

### Summer Term
- EGN 2031 History of Technology 3
- or other Historical Perspectives elective 3
- EEL 4030 Electrical Systems Environments 3
- ENC 3211 Communications for Engineers (6A L&W) 3

Total 9

#### Semester V
- EEL 3100 Network Analysis 3
- EEL 4705 Logic Design 3
- EEL 4705L Logic Lab 1
- EEL 3301L Lab I (Circuits) 1
- EEL 4471 Electromagnetics 3
- EEL 4351C Semiconductor Devices 3

Total 14

#### Semester VI
- EEL 4102 Linear Systems Analysis 3
- EEL 3375 Indus. Mach. & Power Applications 3
- EEL 4744 Microprocessors 3
- EEL 4743L Microprocessor Lab 1
- EEL 3302 Electronics I 3
- EEL 4316 Wireless Circuits & Systems Lab 2

Total 15

#### Semester VII
- 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 VIII
- EEL 493X EE Design Project 3
- Social Science Elective 3
- Tech Elective 3
- Tech Elective 3
- ALAMEA 3

Total 15

Gordon Rule (6A) is fully met through the mathematics courses above, ENC 1101, ENC 1102, ENC 3211 and by selecting one technical or general education elective that is an approved 6A communication course or by completing an AA degree at a Florida Community College. Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC 3211 and EEL 4906.

### 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 areas of manufacturing and production, or state-of-the-art functions in automation, robotics and information systems. 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

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.

Students qualify for direct entry to the department if they have completed the following courses at a Community College or in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

Communications:

 ENC 1101/1102 English I and II (6)

 Humanities & Social Sciences:

 Humanities Courses (6)

 Social Science Courses (6)

 Humanities or Social Sciences (3)

 Mathematics:

 USF

 MAC 2281

 MAC 2282

 C/C

 MAC 2311* (4)

 MAC 2312* (4)

 MAC 2313* (4)

 MAC 2302 (3)

 *or MAC 2281, MAC 2282, MAC 2283

 Natural Sciences:

 USF

 CHM 2045

 CHM 2045L

 PHY 2048

 PHY 2048L

 PHY 2049

 PHY 2049L

 C/C

 CHM 1045* (3)

 CHM 1045L* (1)

 PHY 2048 (3)

 PHY 2048L (1)

 PHY 2049 (3)

 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.

Industrial 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 a USF and 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 or Historical Perspectives elective 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 Statistics 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 Economy I 3

 ALAMEA Elective 3

 Total 9

 Semester V

 COP 2510 Programming Concepts 3

 EGN 3365 Materials Engineering I 3

 EIN 4312C Work Analysis 3

 EIN 4411 Manufacturing Processes 3

 ESI 4312 Deterministic OR 3

 Total 15
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, bio-engineering, alternative energy, thermal design, 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.
3. Students are strongly encouraged to take the FE Exam.

### 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 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.

Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

**Mathematics:**
- MAC 2281 MAC 2311* (4)
- MAC 2282 MAC 2312* (4)
- MAC 2283 MAC 2313* (4)
- MAP 2302 MAP 2302 (3)

*or MAC 2281, MAC 2282, MAC 2283

**Natural Sciences:**
- PHY 2045 PHY 2045 (3)
- PHY 2045L PHY 2045L (1)
- PHY 2048 PHY 2048 (3)
- PHY 2048L PHY 2048L (1)

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### MECHANICAL ENGINEERING

**Mission Statement**
The Mission of the Mechanical Engineering Department is:

a. to provide a quality undergraduate and graduate education for students entering the mechanical engineering profession or seeking careers in related fields;
b. to advance scientific knowledge through basic and applied research;
c. to disseminate technical information through scholarly publication, conferences and continuing education;
d. to advance the profession through service within the associated societies and;
e. to promote activities which serve global development.

**Objectives**
The Objectives of the Undergraduate Program in Mechanical Engineering are:

A. to teach students to understand and to apply concepts of basic science, mathematics, computation, and engineering science essential to professional practice;
B. to train students in the design of experiments and testing of systems, in proper instrumentation methods, in the techniques of modern data acquisition and in methods of data interpretation;
C. to develop skills essential to the design process, including problem formulation, synthesis, analysis, construction, testing and evaluation;
D. to develop skills necessary for effective professional interaction including multi-disciplinary collaboration and successful oral and written communication;
E. to encourage an understanding of technology within a global and societal context, the need for continued professional development, the importance of professional responsibility and the ethics of professional practice.

Students pursuing the Bachelor of Science in Mechanical Engineering program take coursework in thermodynamics and heat transfer, instrumentation and measurements, solid and fluid mechanics, dynamics, machine analysis and design, mechanical design, manufacturing processes, vibrations and controls. This is supplemented by elective coursework in such

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### Four-Year Curriculum in Mechanical Engineering

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<td>EIN 4333</td>
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Gordon Rule (6A) is fully met through the mathematics courses above, ENC 1101, ENC 1102, ENC 3211 and EIN 4313 or by completing an AA degree at a Florida Community College. Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC 3211 and EIN 4364.
### Mechanical Engineering Admissions Requirements

Students entering the Mechanical Engineering department must have completed the equivalent USF Engineering Calculus sequence, one year equivalent USF General Physics and one semester equivalent USF General Chemistry with a minimum of 2.3 GPA; and must have an overall and USF GPA of 2.0 or better.

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<td>EGN 3311</td>
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<tr>
<td>EGN 3343</td>
<td>Thermodynamics I</td>
<td>3</td>
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<tr>
<td>EML 3500</td>
<td>Mechanics of Solids</td>
<td>3</td>
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<tr>
<td>EGN 2031</td>
<td>History of Technology</td>
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<tr>
<td>(or other Historical Perspective elective)</td>
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#### Semester V

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<td>Kinetics and Dynamics of Machinery</td>
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<td>EML 3041</td>
<td>Computational Methods</td>
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<tr>
<td>EML 3701</td>
<td>Fluid Systems</td>
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<td>Communication for Engineers (6A L&amp;W)</td>
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#### Semester VI

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<td>Machine Design</td>
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<td>EML 3301</td>
<td>Mechanical Engineering Lab I</td>
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</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
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### College Regulations

#### 1. GENERAL EDUCATION REQUIREMENTS

While the Engineering undergraduate student is expected to complete certain requirements during the first two years of study which are directed toward the humanities and social sciences, and which are fulfilled by the completion of the General Education requirements of the University, the College of Engineering expects more of its prospective engineering graduates than this minimum. The engineer must not only be a technically competent individual, but must also be a person who can understand, adjust and contribute to the social environment.

Students who transfer from a State of Florida community college with an Associate of Arts degree and who have met that college’s General Education Requirement will find their General Education coursework satisfies the University General Education Requirements.

All Engineering students, except those completing a second bachelors degree, must complete the USF Exit Requirements. The Literature and Writing portion can be met by completing ENC 3211 Communication for Engineers. The three-hour Major Works/Major Issues requirement is integrated into the senior year curriculum.

#### 2. ENGLISH REQUIREMENT

Students who have been admitted to the College of Engineering may be required to take an examination in order to evaluate their preparedness in the use and understanding of the English language. The faculty of the University’s English program will administer the examination.

Students evidencing an English deficiency will be required to initiate the necessary corrective programs, with the assistance of their advisors. It is recognized that such deficiencies can exist even though a student has met the University’s minimum English requirements. Correction of any deficiency must commence the term after a student has been notified and must be completed prior to recommendation of the student for graduation by the faculty of the College.

See Continuation and Graduation Requirements below for minimum grade requirements.
3. MATHEMATICS REQUIREMENT
Students evidencing a lack of the ability to apply mathematics will be required to take remedial coursework beyond their regular degree requirements. Faculty of the College who encounter students who are deficient in their mathematical ability will refer such cases to the Advising Office.

4. CONTINUATION AND GRADUATION REQUIREMENTS
To meet graduation and continuation requirements all undergraduate students must maintain a minimum cumulative GPA of 2.0 in the following categories:
1) Overall Undergraduate GPA
2) USF GPA
3) GPA* in Math and Science courses required for the curriculum
4) Engineering Courses
5) Specialization Courses
*Note: The Math Science GPA is based upon the best attempt. Other categories include all attempts, unless grade forgiveness has been applied.
In no case will the minimum GPA for a category be less than 2.0.

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-, F or W) 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 is 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 the Associate Dean for Academic Affairs.

Each engineering student is required to complete the Application for Graduation and Check List. Students should schedule an appointment with the Department Undergraduate Coordinator to review graduation qualifications and obtain departmental signatures well in advance of the College graduation application deadline. Approved applications must be submitted to the College of Engineering Advising Office the term prior to the semester in which graduation is sought. Graduation applications are due on the dates indicated below.

August 1st for Fall Graduation  
November 1st for Spring Graduation  
February 15th for Summer Graduation

Taking the Fundamentals of Engineering Exam prior to graduation is strongly encouraged. (See the Office of Engineering Student Services for applications and information.)

Individual departments may have additional continuation and graduation requirements.

5. TRANSFER CREDIT
The USF College of Engineering will accept transfer credit when appropriate if the transferred course has been passed with a grade of "C" or better. In some cases credit for a course may be granted, but the hours accepted may be less than the hours earned at another school.

While credit work from other institutions may be granted subject to the conditions of the previous paragraph, the last one-quarter credits, which may include a minimum of thirty semester hours of engineering coursework, specified by the degree-granting department must be taken at USF to receive the baccalaureate degree. The College of Engineering’s Associate Dean for Academics must approve exceptions.

Transfer credit evaluation is conducted by the Office of Engineering Student Services. Transfer students should be prepared to submit College catalogs and course syllabi from the previous institution if required.

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 Science and Master of Science in Engineering Science degrees. The general basis of the five-year program includes

1. A two-year research program extending through the fourth 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 departmental advisor. Departmental expectations and general admission requirements include

1. Senior standing (90 credits) with at least 16 upper level engineering credits completed at the University of South Florida with a 3.0 GPA.
2. A minimum score of 1000 on the verbal and quantitative portions of the Graduate Records Examination.
3. Above-average performance in the chosen Engineering program.

Certificate Programs

CERTIFICATE IN BIOMEDICAL ENGINEERING
Several formalized engineering certificate programs, at the undergraduate and graduate levels, have been developed to provide qualified individuals an opportunity to enhance their degrees prior to graduation or to engage in discipline related continuing education.

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...
include: understanding basic biochemical and physiological processes, designing and analyzing biomed-ical diagnostic systems, design and evaluation of health care systems and facilities, design and evaluation of prosthetic devices, an general biomedical product development. The College of En-gineering 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 stu-dents an opportunity to gain research experience in a rapidly develop-ing field 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 Sci-ence in Chemical Engineering and also meet the additional requirements of the Certificate program. Enrollment is through the Department of Chemical Engineering.

**CERTIFICATE IN TOTAL QUALITY MANAGEMENT**

An undergraduate student, or graduate engineer, may en-hance their professional achievement by receiving a Certificate in Total Quality Management. The student must satisfactorily complete five courses (15 credit-hours beyond the BS degree) of the eight courses in Total Quality Management. Enrollment is through the Department of Industrial and Management Systems Engineering.

**CERTIFICATE IN MATERIALS SCIENCE AND ENGINEERING**

The Materials Science and Engineering certificate requires 15 credit hours of theoretical and applied materials courses. The Materials Science and Engineering Certificate is designed to provide students with an opportunity to gain a focused introduction into a dynamic and explosively growing technol-ogical field. The certificate has been designed to be as flexible as possible thus allowing students from different disciplines to take advantage of the program. Enrollment is through the Department of Chemical Engineering.

**CERTIFICATE IN WIRELESS ENGINEERING**

This Certificate provides post-baccalaureate students with studies in engineering techniques of modern wireless circuits, antennas, and communication systems. Students must have successfully completed an undergraduate course in Electromagnetics. The candidate should also have an earned B.S. in Electrical Engineering or Computer Engineering. Any other degree tract must meet the Engineering department’s approval.

**CERTIFICATE OF ENHANCEMENT**

The Certificate of Enhancement in (a designated engineer-ing 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, each depart-ment may offer a Certificate of Enhancement in the designated discipline. These include The Certificates of Enhancement in Chemical Engineering, Civil & Environmental Engineering, Computer Science, Computer Engineering, Electrical Engineering, Industrial and Management Systems Engineering, Information Systems and Mechanical Engineering. In addition, there are two specialized Certificates of Enhancement in 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 GPA 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 undergraduate coordinator 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 ele-ments 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 cat-eories: (1) those courses which are concerned with the operation, organization and programming of computers and computer systems from the viewpoint of examining the funda-mental 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,” “C++”, JAVA, and VISUAL BASIC.

Students in engineering, the physical sciences, and math-matics must consult their advisor for suitable computer courses, since these courses are not acceptable to a number of degree programs.

**College Computing Facilities**

The College provides access to centralized computing facilities to undergraduate and graduate students. Most engi-neering departments also provide facilities with local capabilities. 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 comput-ing, 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 ma-chines. General-purpose software such as Office 2000, MS visual studio and specialized engineering software including mathematical packages (MathCad, Matlab, Maple, Macsyxa, TK Solver), statistical package (SAS), discipline specific applica-tion 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 coursework. Multi-media 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 appli-
Cooperative Education and Internship Programs

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 may alternate periods of paid employment in their major field with like periods of study, or may elect to participate in part-time employment while attending classes every semester. Students following the Co-op program usually encounter no problems in scheduling their program, since required Social Science and Humanities, Mathematics and Science, and Engineering Common courses are offered every semester. Students normally apply for participation in this program during their sophomore year and pursue actual Co-op employment during their sophomore and junior years. The senior year is generally pursued on a full-time study basis, since many specialization courses are not offered every semester. The students receive a Cooperative Education Certificate upon successful completion of a minimum of two work assignments.

Army, Air Force & Navy R.O.T.C.

For Engineering Students

The Engineering curriculum, coupled with involvement in the Army, Air Force or Navy R.O.T.C. program, will require a minimum of five (5) years to complete the degree. R.O.T.C. cadets must take additional hours in either military science or aerospace studies. Additionally, summer training programs are scheduled, usually between the junior and senior years.
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 development disorders) in the State of Florida through research, training, and education (Florida Statute 240.514).

The Institute’s programs are conducted by three departments: Aging and Mental Health, Child and Family Studies 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, Board of Clinical Social Work, Marriage and Family Therapy, Mental Health Counseling, Florida Board of Nursing, and the Florida Certification Board. The Institute also provides continuing education credits to professional groups such as physicians, attorneys and behavior analysts through the following organizations: USF Continuing Professional Education, the Florida Bar Association and the Behavior Analyst Certification Board.

The Institute offers undergraduate and graduate students research assistantships. 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 also offers an undergraduate minor in behavioral healthcare and a graduate focus in behavioral health in conjunction with the College of Public Health.

The Institute’s pre-doctoral internship program for psychologists is approved by the American Psychological Association.

Behavioral healthcare problems, like mental illness and substance abuse, are among the greatest public health challenges facing our communities. New, scientifically based treatment approaches are available to treat and prevent many of these behavioral healthcare problems. Students will be exposed to these treatment approaches as well as to issues in the organization, financing, delivery, and outcomes of behavioral health services. The emphasis of the curricula is on practices that have been scientifically validated and their delivery within the context of current funding, policies and trends. This area of academic concentration is offered as an Undergraduate Minor by the USF Louis de la Parte Florida Mental Health Institute.

This Minor in Behavioral Healthcare is available to students interested in pursuing a career in the broad field of behavioral health in conjunction with any undergraduate major. It should be particularly beneficial to persons majoring in such disciplines as psychology, social work, gerontology, criminology, nursing, and sociology.

A GPA of 2.0, or better, in this minor is required for certification. At least nine (9) of the credit hours must be taken at USF. A Behavioral Health advisor will be available to advise students on a course of study and to coordinate a student’s minor with related majors.

A Minor in Behavioral Healthcare consists of a minimum of fifteen (15) credit hours comprised of the following courses:

**Required Courses:**
- MHS 3411 Multidisciplinary Behavioral Healthcare Services 3
- MHS 4002 Behavioral Health Systems Delivery 3
- MHS 4407 Exemplary Treatment Practices 3
- MHS 4829 Field Experience in Behavioral Healthcare* 3

**Electives (minimum of 3 credit hours required):**
- SOW 4930 Clinical Case Management in Community Care 3
- MHS 4931 Selected Topics in Behavioral Healthcare 3-4
- MHS 4905 Directed Studies 2-3

* A student completing a field placement in Psychology, Social Work, or other of the human services may be exempted (by the advisor) from the “Field Experience in Behavioral Healthcare” and may substitute an elective from the above list. Enrollment in MHS 4820 requires prior College approval.
• 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 30 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, technical and economic demands. Nurses address professional and community needs by assuming multiple collaborative and cooperative relationships and roles.

Nursing is a humanistic profession that enhances the quality of life by promoting health, preventing illness, supporting rehabilitation following illness, and providing care for persons at the end of life. All individuals are entitled to health care and the right to participate in making health care decisions.

Nursing is a continually evolving discipline with a unique body of knowledge. Nursing knowledge is advanced through the application of critical thinking, the development and testing of theories, and the conduct and utilization of nursing research.

Intelectual 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 give 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 web and video conference courses, 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 state mandated common prerequisites with a grade of “C” or better (for non-licensed baccalaureate students only, completion by application deadline is advised). (See “Program of Study” below.)
4. 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 form.
10. Provide evidence of current licensure in Florida if enrolling in the program as a registered nurse.

Nursing Advising

The College of Nursing Office of Student Affairs offers a comprehensive service for all College of Nursing degree programs and advice to non-majors who are interested in being admitted. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.
The goals of the office of Student Affairs are to:
- Help students develop their educational plans
- Help students select appropriate courses
- Help students interpret institutional requirements
- Facilitate total student development

**Location/Phone(s):** The Health Science Center for the College of Nursing (MDN) is located near Bruce B. Downs Blvd. and West Holly Drive on the Northwest corner of campus. The College office is in MDN, Room 1033, (813) 974-2191.

**Advising Offices:** To schedule an advising appointment at a location where the College of Nursing offers courses call the College of Nursing Office of Student Affairs, (813) 974-9305; (888) 974-9488.

**Office Hours:** 8 a.m. – 5 p.m., Monday through Friday.

**Program Application Requests:** Applications for the Nursing programs are available from USF College of Nursing, Office of Student Affairs, MDC Box 22, 12901 Bruce B. Downs Blvd., Tampa, Florida 33612-4766 and at the College of Nursing web site: http://www.hsc.usf.edu/nursing.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:**

The University and the College of Nursing work closely with the community colleges within the 10 county USF service area. The University's Liberal Arts requirements and College of Nursing’s prerequisite/support courses may be completed through the A.A. degree at the community college. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The A.A. degree satisfies admission requirements only if courses are carefully selected and include the required major prerequisite/support courses.

The College of Nursing requires certain courses within the Liberal Arts requirement for the natural, social and behavioral sciences, and mathematics as listed under the heading "Liberal Arts Requirements." Students must complete the prerequisite courses listed below prior to being admitted to the upper-division major. 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.**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC X085C</td>
<td>Human Anatomy &amp; Physiology I or any Human Anatomy &amp; Physiology I course</td>
<td>3-4 semester hours</td>
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<tr>
<td>BSG X086C</td>
<td>Human Anatomy &amp; Physiology II or any Human Anatomy &amp; Physiology II course</td>
<td>3-4 semester hours</td>
</tr>
<tr>
<td>CHM XXXX</td>
<td>Comprehensive General Chemistry (CHM 1032 or higher)</td>
<td>4-6 semester hours</td>
</tr>
<tr>
<td>DEP X004</td>
<td>Human Growth &amp; Development or any Human Growth &amp; Development course</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>HUN X001</td>
<td>Human Nutrition or any Human Nutrition course</td>
<td>3 semester hours, OR</td>
</tr>
<tr>
<td>NUR 1192</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCB X010C</td>
<td>Microbiology or Any Microbiology course</td>
<td>4 semester hours</td>
</tr>
<tr>
<td>PSY X012</td>
<td>Introduction to Psychology or any General Psychology course</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>STA X014</td>
<td>Statistics or any Statistics course</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>SYG X000</td>
<td>Introduction to Sociology or any Introduction to Sociology course</td>
<td>3 semester hours</td>
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</table>

**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 80 semester hours of college-level work. Credit received on the basis of CLEP or Advanced Placement examinations or other appropriate procedures may be included to meet some of these requirements. For all students, the required 60 semester hours includes completion of the University of South Florida Liberal Arts requirements and may be satisfied by the completion of the following courses with the corresponding credit:

<table>
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<tr>
<td>English</td>
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<td>6</td>
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<tr>
<td>Math - Gordon Rule course</td>
<td>Algebra or Finite Math (preferred)</td>
<td>3</td>
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<tr>
<td>Statistics</td>
<td></td>
<td>3</td>
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<tr>
<td>Fine Arts</td>
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<tr>
<td>Natural Science</td>
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<td>Microbiology</td>
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<td>Anatomy/Physiology</td>
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<td>Social Sciences</td>
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<tr>
<td>Historical Perspectives</td>
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<tr>
<td>African, Latin American, Middle Eastern, Asian Perspectives</td>
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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.

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 2030C. The Regents examination in microbiology is acceptable for registered nurse students only.

   c) **Anatomy and Physiology** - 6 semester hours. The Regents examination in anatomy and physiology is acceptable for registered nurse students only.

   d) **Nutrition** - one course. HUN 2201. College of Nursing Challenge Examination or University of Florida correspondence course is acceptable.

3. **Social Sciences:** Each course taken toward meeting this requirement must have been completed with a "C" or better.
Human Growth and Development (Life Span) - Must include birth through aging process to death. HUS 4020, DEP 4005 or DEP 3103 and GEY 3000. Must be completed with a "C" or better.

Students who enroll at USF in the lower division must meet the requirements for admission to the University and are advised by Academic Support and Achievement. These students may also wish to meet with a College of Nursing advisor. These students must also submit an application for admission to the College of Nursing for the upper division major.

Applicants for the major (the non-licensed sequence or the RN sequence) must submit applications to both the University and the College of Nursing by the appropriate deadline dates and complete the University's Liberal Arts requirements and College of Nursing prerequisites/support courses. These can be completed on the Tampa campus by enrolling in the lower division, or at any community college, university, or college that offers equivalent courses prior to transfer to USF (see "Program of Study" information below).

**NURSING PROGRAM (NON-LICENSED)**

The non-licensed sequence is designed so that students who have completed the prerequisite/support courses can enroll in the nursing major and complete requirements for the degree in 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 3064 Physical Examination & Assessment 2
- NUR 3076 Fundamentals of Communication & Psycho-Social Nursing 2
- NUR 3114 Fundamentals of Nursing Practice 2
- NUR 3114L Nursing Fundamentals Clinical 2
- 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 I Clinical 3
- NUR 3525 Psychiatric/Mental Health Nursing 3
- NUR 3525L Psychiatric/Mental Health Nursing Clinical 3

**Semester III**
- NUR 3829 Ethical Legal Aspects of Nursing/Health Care 3
- NUR 4216 Medical-Surgical Nursing II 4
- NUR 4216L Medical-Surgical Nursing II Clinical 5

**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 4165 Nursing Inquiry 3
- NUR 4838 Leadership and Management in Professional Nursing Practice 3
- NUR 4948L Preceptorship 5
- Nursing Elective 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 (974-9385) 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 3064 Physical Examination & Assessment 2
- NUR 3064L Clinical Examination & Assessment - RN 1
- 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 4165 Nursing Inquiry 3
- 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 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).

Excelsior 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 credits through successful completion of the Excelsior (formerly Regents) examinations in nursing.

Registered nurses who are graduates of Florida associate degree programs will receive up to 26 semester general elective 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. Excelsior 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 Undergraduate Accelerated Entry Program for Master’s degree in Public Health Education which bypasses the Bachelor’s for the Master's degree.

A new Fast Track for Honor ISS and INS students is available. Students in this track may select programs within one of the College’s four Departments: Community and Family Health, 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 and weekend programs, learning institutes, certificate and continuing education courses.

The College offers undergraduate courses to prepare students for the graduate criteria required for admission. USF undergraduate courses HSA 4120 “Introduction to Public Health” and HSC 4554 “Survey of Human Disease” (or their equivalent) are prerequisites 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 4533 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 in 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
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, and Clinical Epidemiology.

The GRE is not required for some Certificate programs. However, Certificates may have other specific requirements. Refer to the College of Public Health website: www.publichealth.usf.edu.

Contact the USF Office of Graduate Certificates, (813) 974-2442 for application forms.

Certificate Website: www.outreach.usf.edu/gradcerts

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.

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
Bachelor of Science in Applied Science (APS)

Location/Phone: SVC 2054; (813) 974-2742
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.usf.edu/testing

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 other special tests are administered by this office. Examples are the SAT, ACT, CPT, CLAST, GRE, MCAT, and LSAT.
2. Scanning and Scoring Services: Analysis and advisory services aid in construction and validation of tests used in classes; survey design and data analysis are also available for research purposes as well as test scoring and analysis by machine. In addition, this office coordinates the student assessment of instruction process.
3. Credit-By-Examination: The College-Level Examination Program (CLEP) is administered through this office. Information on other programs such as the Advanced Placement Test (APT) is available.
4. College Level Academic Skills Test (CLAST): This office, in addition to administering the CLAST, implements many of the rules and policies of the College Level Academic Skills Program (CLASP).

Requirements for the Major in Bachelor of Science in Applied Science

Recommended Prerequisites (State Mandated Common Prerequisites)

This degree program is available ONLY to Associate in Science (A.S.) graduates from a Florida public community/junior college. There are no State Mandated Common Prerequisites for this degree program.

Students wishing to transfer to USF must complete the A.S. degree with an overall “C” average in all college-level courses accepted for transfer credit to USF. Students are encouraged to complete at least 18 credit hours of the General Education Requirements as part of their A.S. degree, and it is highly recommended that students select Gordon Rule communication and computation courses to fulfill these requirements while at the community college.

The A.S. degree will transfer as a complete “60 credit hour package” to USF (applicable only to the BSAS program). Technical coursework will transfer as a 42 credit hour technical block. The remaining 18 credit hours of General Education coursework from the A.S. will be matched against USF requirements to determine which courses remain outstanding for fulfillment of the university’s 36 credit hour General Education Requirement.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Community College Block Credit (Transferred from A.S.)

Community College General Education (Transferred from A.S.)

USF General Education

USF Exit Courses

USF Area of Concentration*

USF Electives**

Total BSAS Credit Hours

*Note that all BSAS Areas of Concentration are at least 18 credit hours (some require 21 credit hours).

** Elective credit hours may vary slightly, but will not require students to exceed a total of 120 credit hours for completion of the BSAS degree.

Within the 60 credit hours of USF/upper-level coursework beyond the A.S., BSAS students will also complete:

- a minimum of 48 credit hours of upper-level (3000-4000) courses
- at least 30 hours of the last 60 credit hours at USF
- CLAST requirements
- foreign language requirement (can be satisfied by two years of high school foreign language credit or 8 college credit hours in a single foreign language)
Requirements for the Behavioral Healthcare Area of Concentration (ABH)

BSAS – General Business Concentration (ABH) consists of 18 credit hours:
- MHS 3411 Multidisciplinary Behavioral Healthcare Services (3)
- MHS 4002 Behavioral Health Systems Delivery (3)
- MHS 4407 Exemplary Practices in Behavioral Healthcare Treatment (3)
- MHS 4820 Field Experience in Behavioral Healthcare (3)
- SOC 4930 Clinical Case Management in Community Care (3)

AND, ONE OF THE FOLLOWING:
- MHS 4931 Selected Topics in Behavioral Healthcare (3)
- MHS 4906 Directed Study/Readings (3)

Requirements for the Criminal Justice Area of Concentration (ACJ)

BSAS – Criminal Justice Concentration (ACJ) consists of 18 credit hours:
- CCJ 3024 Survey of Criminal Justice (3)
- CCJ 3610 Theories of Criminal Behavior (3)
- CJL 3110 Substantive Criminal Law (3)
- CJC 4010 American Correctional Systems (3)
- CCJ 4934 Seminar in Criminology (3)
- CJE 4144 American Law Enforcement (3)

Requirements for the General Business Area of Concentration (ABU)

BSAS – General Business Concentration (ABU) consists of 18 credit hours:
- AGC 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 (3)
- MAR 3023 Basic Marketing (3)

Requirements of the Gerontology Area of Concentration (AGR)

BSAS – Gerontology Concentration (AGR) consists of 21 credit hours:
- GEY 2000 Introduction to Gerontology (3)
- GEY 3263 Aging in the 21st Century (3)
- GEY 3601 Physical Changes and Aging (3)
- GEY 3632 Sociocultural Aspects of Aging (3)
- GEY 4612 Psychology of Aging (3)

Plus any three of the following:
- GEY 3323 Community Services of Older Adults (3)
- GEY 4322 Care Management (3)
- GEY 4327 Long-Term Care Administration I (3)
- GEY 4340 Housing for the Elderly (3)
- GEY 4360 Gerontological Counseling (3)
- GEY 4608 Alzheimer’s Disease Management (3)
- GEY 4635 Business Management in an Aging Society (3)
- GEY 4641 Death and Dying (3)
- GEY 4647 Ethical and Legal Issues in Aging (3)

Requirements for the Public Administration Area of Concentration (APU)

BSAS - Public Administration Concentration (APU) consists of 18 credit hours:
- PAD 3003 Introduction to Public Administration (3)
- PAD 4204 Public Financial Administration (3)
- PAD 4419 Personnel and Supervision in Today’s Organizations (3)
- PAD 4712 Managing Information Resources in the Public Sector (3)
- POS 3182 Florida Politics and Government (3)

PLUS ANY ONE OF THE FOLLOWING:
- PUP 4002 Public Policy (3)
- PAD 5035 Issues in Public Administration and Public Policy (3)
- PAD 5044 Environment of Public Administration (3)
- PAD 5159 Urban Policy Analysis (3)
- PAD 5333 Concepts and Issues in Public Planning (3)
- PAD 5605 Administrative Law and Regulation (3)
- PAD 5700 Research Methods in Public Administration (3)
- PAD 5807 Urban and Local Government Administration (3)
- PAD 5836 Comparative Public Administration (3)

Requirements for the Urban Studies Area of Concentration (AUR)

BSAS – Urban Studies Concentration (AUR) consists of 18-21 credit hours:
- URS 3002 Introduction to Urban Studies (3)
- Plus any of five of the following:
  - ARC 4784 The City (3)
  - AMS 3700 Racism in American Society (3)
  - ANH 3423 Modern History (4)
  - IDS 4942 Community Internship (1-4)
  - ECP 3613 Economics of Urban Environment (3)
  - ISS 3930 ST: Community Studies (1-4)
  - SYA 4930 ST: Urban Life (3)
  - GEO 3602 Urban Geography (3)
  - GEO 4604 Advanced Urban Geography (3)
  - PAD 3003 Introduction to Public Administration (3)
  - POS 3142 Introduction to Urban Politics and Government (3)
  - SOW 3203 American Social Welfare System (3)
  - SPC 3710 Communication and Cultural Diversity (3)
  - SYD 3700 Racial and Ethnic Relations (3)
  - URP 4050 City Planning and Community Development (3)
  - URP 4052 Urban and Regional Planning (3)

Contact the BSAS Program for additional BSAS Concentrations that may have developed since the publication of this catalog.

Bachelor of Science in Hospitality Management

The mission of the School of Hotel and Restaurant Management at the University of South Florida is to provide excellence in teaching, research and service to all persons and to build foundations for lifelong learning. The School of Hotel and Restaurant Management prepares individuals for industry management and leadership roles in a global economy and interfaces with stakeholders to deliver hospitality professionals that add to the financial, intellectual, environmental, ethical and social growth of Florida and the Nation.

The Bachelor of Science Degree in Hospitality Management was established as a recognition of the increasing importance of the hospitality industry in the economic development of the state. The School of Hotel and Restaurant Management prepares outstanding individuals for industry management and leadership roles in a global economy and interfaces with stakeholders to deliver hospitality professionals that add to the financial, intellectual, environmental, ethical and social growth of Florida and the Nation.

The Bachelor of Science Degree in Hospitality Management prepares outstanding individuals to be service-oriented professionals. The School of Hotel and Restaurant Management prepares individuals for entry-level management and supervisory level positions in the hospitality industry. A general business education with specialized hotel and restaurant management courses equips the students to approach problem solving in a disciplined and systematic manner. An advisory board composed of leaders from major hospitality-related corporations and organizations that are directly involved with the review
program has the following policies:

1. Mandatory academic advising of each student each term, and exit interviews as a graduation requirement for all students, and
2. Communication skills as an integral component of the education process and the later practice of the discipline;
3. Educate undergraduates in the best practices of the field as well as integrate the latest research and practices into the curriculum;
4. 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. 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 industry 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.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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<tr>
<th>Course</th>
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<tr>
<td>STA 2023</td>
<td>Intro to Statistics</td>
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</tr>
<tr>
<td>ECO 2013</td>
<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>CGS XXXX</td>
<td>Any Database Course</td>
<td>3</td>
</tr>
<tr>
<td>COP 20XX</td>
<td>Any Computer Programming Course (e.g., Pascal, C, Java)</td>
<td>3</td>
</tr>
<tr>
<td>COP 2XX</td>
<td>Any Object-Oriented Computer Programming Course (e.g., C++)</td>
<td>3</td>
</tr>
<tr>
<td>MAC XXXX</td>
<td>Pre-Calculus Course</td>
<td>3</td>
</tr>
<tr>
<td>PHY XXXX</td>
<td>Any Physics Course</td>
<td>3</td>
</tr>
<tr>
<td>M** XXXX</td>
<td>Discrete Mathematics Course</td>
<td>3</td>
</tr>
</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.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>CGS 2100</td>
<td>Computers in Bus.</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAC 1147</td>
<td>Coll. Alg. and Trig.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>COP 2510</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAD 3100</td>
<td>Discrete Math</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Economic Principles (Macro.)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>Psychological Science I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Natural Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COP XXXX</td>
<td>OO Programming (e.g., C++)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV</td>
<td>STA 2023</td>
<td>Introductory Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2020</td>
<td>Conceptual Physics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>COP 3515</td>
<td>Program Design for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>CDA 3101</td>
<td>Computer Organization for Information Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC 3211</td>
<td>Communication for Engineers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>INR 3033</td>
<td>International Political Cultures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CEN 3722</td>
<td>Human Computer Interfaces for IT</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

POST-BACCALAUREATE CERTIFICATE PROGRAMS IN INFORMATION TECHNOLOGY (IT)

There are two Post-Baccalaureate Information Technology (IT) Certificates available. Both Certificates are designed for students who hold bachelor’s degrees in fields other than IT, but do not seek either a master’s degree or a complete undergraduate degree in IT.

The IT Management Certificate (15 semester hours) is designed to provide the student an application-oriented managerial background in IT. The typical student pursuing this certificate is not looking to change careers, but rather looking to enhance their technical abilities in their existing job. A four year Bachelor’s degree plus some prerequisites are required to enter the IT Management Certificate Program.

The IT Professional Certificate (30 semester hours) is designed to help students change careers, i.e. begin a new career as an IT Professional. All classes (15 hours) taken in the IT Management Certificate directly apply toward the IT Professional Certificate. Therefore, each student having completed the IT Management Certificate, will only need 15 additional hours to complete the IT Professional Certificate. However, certain additional prerequisites may be required of the student prior to taking the advanced technically oriented classes contained in the IT Professional Certificate.

Students wanting to enter one of the IT Certificate programs, need to fill out an application to apply and have an official transcript sent from the College or University where they completed their undergraduate degree. The transcript is used to first verify that the student completed their undergraduate degree and second to identify if any additional prerequisite classes that may be required.

IT MANAGEMENT CERTIFICATE

The prerequisites to enter the IT Management Certificate program is a four year undergraduate degree plus the following:

1. MACxxxx Pre-Calculus 3 hrs.
2. STA2023 Intro. To Statistics 3 hrs.
3. Any Basic Computer Skills Course 3 hrs.
   (Word Processing, Spreadsheets, Windows, etc.)

NOTE: The course numbers may be different depending on the university. IT advisors will make the determination whether or not the student has satisfied these requirements based on supportive material (such as catalog descriptions, official letters, etc.) supplied by the student.

After admission to the IT Management Certificate program, the student must complete 15 hours selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETG 3931</td>
<td>ST: IT Electronic Commerce</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722</td>
<td>IT Human Computer Interface</td>
<td>3</td>
</tr>
</tbody>
</table>
AFROTC classes respectively, and a four-week field training
camp prior to program entry. Upon entering the program, the students then
complete all undergraduate degree requirements, and 12
credit hours of AFROTC courses.

ROTC students take a 1.8 hour non-credit leadership labora-
atory in addition to the academic classes. Students wear the
Air Force uniform during these periods and are taught customs
and courtesies of the Air Force. Leadership Laboratory is open
to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined
by the Professor of Aerospace Studies.

AFROTC 4, 3, 2, and 1-year scholarships are available for
eligible applicants. These scholarships pay all tuition, fees,
books, and a $250-$400 per month tax-free stipend. Non-
eligible applicants are eligible for the General Military Course Incentive, receive up to $1,500 in tuition. Non-scholar-
ship students in the final two years of the program are eligible
for the Professional Officer Course Incentive (POCI) and a monthly $350-$400 tax-free stipend. Qualified POCI students
receive up to $3,850 a year which covers tuition, fees, and
books. Those interested in more information about scholar-
ship criteria should contact the AFROTC Department.

Students interested in enrolling in the programs can begin
registration procedures through the ROTC office in BEH 360 or
by registering for the appropriate "AFR" course through univer-
sity registration. Veterans, active duty personnel, and graduate
students are encouraged to inquire about special accelerated
programs designed for them. The AFROTC phone number is
(813) 974-3367.

Minor in Aerospace Studies

In order for the student to minor in Aerospace Studies a
minimum GPA of 2.0 is required in all courses used to satisfy
the minor. A minimum of 12 semester hours of the 16 semester
hours required must be earned at USF. Grades less than “C”
(GPA of 2.0) or “S” grades will not be accepted. Students will not
be able to use credit from the minor in Aerospace Studies
by registering for the appropriate "AFR" course through univer-
sity registration. Students are encouraged to inquire about special accelerated
programs designed for them. The AFROTC phone number is
(813) 974-3367.

Specific Course Requirements for the Minor:
a. Total credit hours required: 16
b. Required courses:
   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
   c. Other specifications: a maximum of 4 credit hours from any
      of the military elective courses below:
      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 2140 U.S. Air Power: Key to Deterrence 1
      AFR 2940 Basic Aerospace Internship
      Optional Courses:
      MSL 1001C Fundamentals of Officership 2
      MSL 1002C Basic Leadership 2
Leadership Training Course at Fort Lewis, Washington

five-week field training course at the

addition to the pay of approximately $700.00 while attending the

academic expenses. All Advanced Course and scholarship

tive basis in all academic majors. The scholarship pays full

is open to qualified students at all levels, including graduate

Professor of Military Science for more information. Enrollment

exempt from some or all of the Basic Course. Students with

program, each leading to a commission as a SecondLieuten-

Army ROTC training is divided into two phases: the first two

years constitute the Basic Course; the last two the Advanced

Course. The Department offers both a four- and a two-year

program, each leading to a commission as a SecondLieuten-

ant in the United States Army. The four-year program requires

completion of the Basic Course, a five-week field training

course, and the Advanced Course. Students with prior active

military service or previous training at military schools may be

exempt from some or all of the Basic Course. Students with

questions concerning the various options should contact the

Professor of Military Science for more information. Enrollment

is open to qualified students at all levels, including graduate

students. Offerings are published each semester.

Army ROTC training provides scholarships, pay, free uni-

forms and textbooks. Scholarships are awarded on a competi-

tive basis in all academic majors. The scholarship pays full

tuition, books, lab and mandatory fees, and certain other

additional 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 semes-

ters 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 classroom instruction, a student may attend the four-week Leadership Training Course at Fort Knox, Ken-

tucky 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 Lead-

ership Course. The Advanced Course is designed to prepare

the student who desires to be a Professional Army Officer for

duty. 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 understand-

ing 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. Addi-

tional emphasis is placed on character development, oral and

written communication, physical and mental fitness, and mili-

tary small unit operations.

Required courses: (Total of 14 Credit Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 2101</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2102</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officership</td>
<td>3</td>
</tr>
</tbody>
</table>

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. 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 understand-

ing 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. Addi-

tional emphasis is placed on character development, oral and

written communication, physical and mental fitness, and mili-

tary small unit operations.

Required courses: (Total of 14 Credit Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 2101</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2102</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officership</td>
<td>3</td>
</tr>
</tbody>
</table>

Other specifications: combination of 4 credit hours from any of the military elective courses below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 1001C</td>
<td>Foundations of Officership</td>
<td>2</td>
</tr>
<tr>
<td>MSL 1002C</td>
<td>Basic Leadership</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2101C</td>
<td>Individual Leadership Studies</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2102C</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2901</td>
<td>Basic Leader Training</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4930</td>
<td>Advanced Directed Study and Research</td>
<td>1-3</td>
</tr>
<tr>
<td>AFR 1101</td>
<td>The Air Force Today: Organization and Doctrine</td>
<td>1</td>
</tr>
<tr>
<td>AFR 1120</td>
<td>The Air Force Today: Structure and Roles</td>
<td>1</td>
</tr>
<tr>
<td>AFR 2130</td>
<td>U.S. Air Power: Ascension to Prominence</td>
<td>1</td>
</tr>
<tr>
<td>AFR 2140</td>
<td>U.S. Air Power: Key to Deterrence</td>
<td>1</td>
</tr>
<tr>
<td>AFR 3220</td>
<td>Air Force Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 3231</td>
<td>Air Force Leadership and Management II</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4201</td>
<td>National Security Forces in Contemporary American Society I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4211</td>
<td>National Security Forces in Contemporary American Society II</td>
<td>3</td>
</tr>
</tbody>
</table>

Military Science Faculty

Professor: Joseph M.J. Kools; Assistant Professors: Lawrence Braue, Richard Lexvold, Samuel Ochs; Instructors: Joseph Gramigna, Arthur Greene, James Lang, Leon Porter.
The Navy 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, 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, creeds, 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 up to $400.00 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 advanced course in the junior year. The Navy pays for uniforms and naval science textbooks all during the four-year period, and during the junior and senior years, pays the midshipman up to $400.00-per-month subsistence allowance. Each student is selected for enrollment in the program on the basis of past academic performance, potential, personal interviews, and a physical examination. A college midshipman only acquires a military service obligation by 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 May. Applicants must 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. The student's 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 per month. Upon successful completion of the course, the Navy pays for uniforms, naval science textbooks, and up to $400.00 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 full-tuition scholarship, the student will receive up to $400.00 subsistence per month, books, and lab fees.

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 a 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 Candidates 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 2213 Naval Operations (Note 1) 3
  - NSC 2221 Evolution of Warfare (Note 2) 3
  - MAC 3311, 3312 Calculus I, II (Note 3) 8

**Junior Year**
- **Sem. Hrs.**
  - NSC 3214, 3213 Navigation I, II (Note 4) 3
  - Amer. 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 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**
*Professor:* Richard L. Dick; *Assistant Professor:* Henry Allen, John Sarao.

**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 2260** Leadership Fundamentals 3
- **SLS 4272** Survey of Leadership Readings 3

**Elective Courses (12 hours):**
- **SLS 3948** Community Leadership Practicum 3
- **SLS 4271** Organizational Theories and Processes 3
- **SLS 4273** Theories of Leadership 3
- **SLS 4274** Ethics and Power in Leadership 3
- **SLS 4276** Images of Leadership in Print and Film 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 a 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 and 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 College of Visual and Performing 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 and 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. Graphicstudio’s 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 transAfrican forms is being coordinated with specialists in the field.

**The British International Theatre Program**

The BRIT program provides residencies for major British theater 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 program fosters original contemporary and traditional dance compositions and theatre works 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 (concentrations in Studio Art or Art History), Dance, and Theatre

Bachelor of Music (B.M.) in Music
Bachelor of Fine Arts (B.F.A) in Studio Art, Theatre Design, 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 when they are attempting to transfer into the program. Theatre students wishing to concentrate in performance or design must audition or have a portfolio review 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, 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 determining 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 (CVPA) Office of Student Services and Advising, located in the Fine Arts building, offers a comprehensive service to all students in CVPA and advice to non-majors who are interested in taking CVPA 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.

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.
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 admitted 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 credits toward 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 meet the College Level Academic Skills Test CLAST requirement and the writing and computation course requirement of 6A-10.30 (Gordon Rule).
8. Students applying for a B.A. degree must demonstrate competency in a foreign language as described under Foreign Language Competency Policy of this catalog.
9. For degree programs, see requirements listed under each school.
10. 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 competence. Unless credit is awarded by approved official tests, 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 additionally clearly specifies the date that the work will be due (within legal limits) for grading. Both the student and the instructor must sign this contract and the four copies must be distributed according to instructions. A student must not register for a course again to remove an "I" grade.

PERMISSION PROCEDURES

Admission into some courses is possible only by consent of instructor (CI), consent of chairperson (CC), consent of advisor, or by audition or portfolio review. When such special permission is required, it will be the student's responsibility to obtain any required permission prior to registration.

S/U Grading in the College

1. Non-majors enrolled in courses in the College of 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 contract 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/her 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. Please refer to Academic Policies section for more information concerning the university's S/U Grading policy.

Dean's List Honors

See Academic Policies and Procedures, Programs and Services.

Interdisciplinary Study

There is no formal interdisciplinary arts degree offered in the College of 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 and 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 at Tampa campus undergraduate art studio students are 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.

Transfer studio credit will be accepted on the basis of portfolio and transcript evaluation. The School of Art and 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 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 School of Art and Art History encourages students who wish to transfer from Florida Community Colleges to complete their A.A. prior to transfer. 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.

Students may complete the prerequisite courses listed below prior to entering the university. However, it is not required...
that the student complete the prerequisites prior to being accepted into the School of Art and Art History. 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. The following prerequisites courses will be accepted as meeting lower level requirements.

- **ART 1201/1202** Design I and Design II or ART 2201
- **ART 1300/1301** Drawing I and Drawing II
- **ART 2050/2051** Art History Survey I and Art History Survey II
- **ART 2XXX** Any 2-3 introductory media course, 6-9 semester hours or 12 hours of ART 2XXX

Note: It is recommended that transfer students complete both Design I and Design II prior to transfer. If a student does not complete Design I and Design II prior to transfer they should wait and enroll in **ART 2201 (Fabrications I)** and ART 2203 (Fabrications II) at USF.

### Requirements for the B.A. Degree in Art Studio

The following courses apply to the B.A. degree in Art Studio:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Visual Arts I*</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Visual Arts II*</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Fabrications I**</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Fabrications II**</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 3301C</td>
<td>Intermediate Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 18 hours

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

Total 12 hours

### III. Intermediate Studio Workshops

A minimum of 6 hours from the following:

- 3000 Level Studio (6)

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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4100</td>
<td>Prehistoric &amp; Ancient</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4170</td>
<td>Greek &amp; Roman</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4301</td>
<td>Renaissance</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>Baroque and Rococo</td>
<td>4</td>
</tr>
</tbody>
</table>

### VI. Additional Requirements

- **ART 2939** The Real World (3)
- **ART 4955** Senior Projects (2)
- **Extended Studies* |** (2)

Total 7 hours

*Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London Middlesex Program, and Johannesburg Program.

### 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, and that Fine Arts Perspectives must be satisfied with History of Visual Arts I, ARH 2050 or Fabrications I, ART 2201 or Fabrications II, ART 2203.

General Education* (27)

- Exit Requirements (9)
- Art Requirements (58)
- Special Requirements (6)
- Free Electives (Maximum Art 9 hours) (20)

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 Studio 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 students opportunities to 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 and Art History hosts fully equipped studios in all of these disciplines. The new B.F.A. program in Graphic Design is limited access and offered 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 and 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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Visual Arts I*</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Visual Arts II*</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4520</td>
<td>African</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4530</td>
<td>Oriental</td>
<td>4</td>
</tr>
<tr>
<td>ARH 4796</td>
<td>Critical Studies</td>
<td>4</td>
</tr>
</tbody>
</table>

Total 12 hours

*4 hours may be taken in either critical studies seminar ARH 4796 or Directed Reading ART 4900.

**ARH 4450 is required of all majors.

### VI. Additional Requirements

- **ART 2939** The Real World (3)
- **ART 4955** Senior Projects (2)
- **Extended Studies* |** (2)

Total 7 hours

*Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London Middlesex Program, and Johannesburg Program.

### VII. Recommendations

Students are encouraged to take additional credits in the Studio Workshops and Theme Studio Courses to fulfill art electives.
### Art Foundations

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2280C 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 2D Studio</td>
<td>(3)</td>
</tr>
<tr>
<td>2000 Level 3D 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>
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</table>

**Total 15 hours**

### IV. 4000 Level Studio

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3301C Intermediate Drawing</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**


### 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>(4)</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**

### 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>Exit Requirements**</td>
<td>(3)</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 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.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 skill, 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 and Art History accepts transfer credit from all Florida programs that are part of the “common course prerequisites”.

### 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</td>
<td></td>
</tr>
<tr>
<td>Computer Language and/or Media</td>
<td>(3)</td>
</tr>
<tr>
<td>MMC 3602 Mass Command and Society (program requirement)</td>
<td>(3)</td>
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</tbody>
</table>

**Total 9 hours**

### Graphic Design Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2280C Typography</td>
<td>(3)</td>
</tr>
<tr>
<td>VIC 3001 Intro to Visual Communications</td>
<td>(3)</td>
</tr>
<tr>
<td>GRA 3545 Graphic Design I</td>
<td>(3)</td>
</tr>
<tr>
<td>GRA 3549 Multimedia Systems I</td>
<td>(3)</td>
</tr>
<tr>
<td>ARH 4430 19th Century Art</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**Total 16 hours**

### III. Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2280C Typography</td>
<td>(3)</td>
</tr>
<tr>
<td>GRA 3548 Computer Graphics</td>
<td>(3)</td>
</tr>
<tr>
<td>PGY 3801C Digital Media I</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 4925 Media Workshop: Design Production</td>
<td>(3)</td>
</tr>
<tr>
<td>ARH 4724 History of Graphic Design</td>
<td>(4)</td>
</tr>
<tr>
<td>Support Course</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Total 16 hours**

### IV. Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 3548 Computer Graphics</td>
<td>(3)</td>
</tr>
<tr>
<td>PGY 3801C Digital Media I</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 4925 Media Workshop: Design Production</td>
<td>(3)</td>
</tr>
<tr>
<td>ARH 4724 History of Graphic Design</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**Total 16 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 (All coursework in The School of Art and Art History must have a grade of "C" or better to satisfy program requirements.)
   - 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 4937 Seminar in the History of Art History** (4)

   Total 4 hours

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 4450 20th Century (4)
   - ARH 4520 African (4)
   - ARH 4530 Oriental (4)

   Total 16 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
   (London Middlesex Program, Paris Program, Johannesburg Program, Public Art, Museum Internships, Community Art, Artists Internship/Apprenticeships, Art History 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 History must complete the Foreign Language Requirement.

Requirements for the Minor in Art

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 History
   - 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 9 hours

III. Art History Concentration:
   - 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 9 hours

VISITING ARTISTS AND SCHOLARS

The School of Art and 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 Tillum, and The Art Guys.
### USF CONTEMPORARY ART MUSEUM

The USF Contemporary Art Museum (CAM) is recognized as one of the leading cultural institutions in the state by the State of Florida Cultural Institutions Program. The USF CAM brings vital, investigative, and scholarly exhibitions of contemporary art to the university and Tampa Bay Community. Artists include Matt Mullican, Robert Stackhouse, Pat Steir, Tyler Turkle, and Robin Winters, as well as internationally recognized artists from Africa, Europe, and Latin America, such as Leo Coper, Patrick Corillon, Alfredo Jaar, Antonio Martorelli, Pepon Osorio, and Peter Weibel. The Museum also houses the university’s art collection with exceptional holdings in graphics, sculpture multiples, and recent photography. The Museum is actively engaged in commissioning architecturally related public art projects designed to enhance the public spaces on the USF campus. Recent projects include works by Dale Elred, Richard Fleischer, 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 and 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 graduate assistantships are available to USF students at Graphicstudio’s production facility. Students are able to study completed editions as well as preparatory works in the Graphicstudio Gallery. Graphicstudio also sponsors lectures by invited guests and colloquia on a variety of subjects relating to the visual arts.

- **DANCE (DAN)**

  The dance program 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 numerous 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 placement audit. Students must complete the audition prior to Orientation and registration for Dance courses.

  Prospective majors must contact the School of Theatre and Dance for audition dates prior to being permitted to register for classes. Acceptance into major technique classes is by faculty audition. Acceptance into each of the degree programs (B.F.A., B.A.) requires acceptable technical proficiency, academic standards commensurate with USF guidelines, and recommendation of the faculty.

### 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 Performance and B.A. in Dance Studies:**

Any 24 credit hours from the following 30 hours will be accepted toward the major.

<table>
<thead>
<tr>
<th>DAN 2610 (3) or DAN 2600 (3)</th>
<th>DAN 2611 (3) or DAN 2601 (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2610 (2)</td>
<td>DAA 2611 (2)</td>
</tr>
<tr>
<td>DAA 2680 (2) - or any lower level Repertory course in the X400-X400 series up to 4 credit hours.</td>
<td>DAA 2681 (2) - or any lower level Repertory course in the X400-X400 series up to 4 credit hours.</td>
</tr>
<tr>
<td>DAA X200-X209 (8) - Up to 8 credit hours of any lower level Ballet Technique courses within the X200-X209 taxonomy.</td>
<td>DAA X100-X109 (8) - Up to 8 credit hours of any lower level Modern Technique courses within the X100-X109 taxonomy.</td>
</tr>
</tbody>
</table>

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 evaluated 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 BFA will develop and present solo and group Senior Choreographic Projects.

The BFA is a limited access program. Students must participate in a selective admissions procedure. At the end of their third semester, students will be assessed by Dance faculty to determine eligibility. Dancers must continue to take technique courses throughout their degree program.

### Modern Dance Focus

**Studio Technique (28 semester hours)**

<table>
<thead>
<tr>
<th>DAA 3209 Ballet III</th>
<th>(6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3109 Modern III</td>
<td>(6)</td>
</tr>
<tr>
<td>DAA 4111 Modern IV</td>
<td>(8)</td>
</tr>
</tbody>
</table>
### 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. Dance students must continue to take at least one technique course each semester.

#### Coursework to be taken at USF

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Technique (20 semester hours)</td>
<td>DAA 3624 Dance Improvisation</td>
<td>6</td>
</tr>
<tr>
<td>Creative Studio Studies (13 semester hours)</td>
<td>DAA 3614 Choreography I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DAA 3615 Choreography II</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DAA 4517 Choreography IV</td>
<td>2</td>
</tr>
<tr>
<td>DAA 3616 Jr. Performance Project*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DAA 3664/3654 Performance/Repertory*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DAA 4694 Senior Choreographic Project</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Concurrent enrollment in Dance Technique</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Dance Theory (27 semester hours)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 3394 World Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elective Dance Technique</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

#### Creative Studio Studies (17 semester hours)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 3624 Dance Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3614 Choreography I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3615 Choreography II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4616 Choreography III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4617 Choreography IV</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3686 Jr. Performance Project*</td>
<td>1</td>
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<tr>
<td>DAA 3664/3654 Performance/Repertory*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DAA 4694 Senior Choreographic Project</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Concurrent enrollment in Dance Technique</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Ballet Focus

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Technique (30 semester hours)</td>
<td>DAA 3339 Ballet III</td>
<td>6</td>
</tr>
<tr>
<td>DAA 4211 Ballet IV</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>DAA 3294 Ballet Variations/Pointe</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3109 Modern III</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>DAA 3394 World Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Elective Dance Technique</td>
<td>6</td>
<td></td>
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</tbody>
</table>

#### Creative Studio Studies (17 semester hours)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>DAA 3624 Dance Improvisation</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3614 Choreography I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3615 Choreography II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4616 Choreography III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4617 Choreography IV</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3686 Jr. Performance Project*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DAA 3664/3654 Performance/Repertory*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DAA 4694 Senior Choreographic Project</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Concurrent enrollment in Dance Technique</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### B.S. Degree in Dance Education

The Dance Education Curriculum is currently suspended. 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:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2205 Ballet I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3208 Ballet II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DAA 3209 Ballet III</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DAA 4211 Ballet IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>DAA 2305 Modern Dance I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3108 Modern Dance II</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 3109 Modern Dance III</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4111 Modern Dance IV</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>DAA 2500 Fundamentals of Jazz Dance</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>DAA 4930 Special Topics in Dance</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

(Studio Dance courses at level 2 or above may be repeated once toward the Dance Minor.)
Creative Studio Studies (4 semester hours)
Select 4 credits from:
- DAA 3624 Dance Improvisation (2)
- DAA 3614 Choreography I* (2)
- DAA 3615 Choreography II* (2)
*Music for Dance is a pre-requisite for Choreography.

Dance Theory (6 semester hours)
Select 6 credits from:
- DAN 2100 Introduction to Dance (3)
- DAN 4134 Dance History Through the 19th Century (3)
- DAN 4135 20th Century Dance History (3)

Dance Electives (4 semester hours)

TOTAL 24

CRITIQUES
1. All students will be evaluated periodically by the faculty and critiqued each semester and will participate in progress conferences with the faculty.
2. If a student evidences deficiency in some area or in continuing progress toward the degree, the student may be placed on probation within the Dance program.
3. Failure to make satisfactory progress after being placed on probation shall constitute grounds for program recommendation to drop and discontinue the major.

MINIMUM GRADE FOR DANCE COURSES
A student must receive a “C” grade or better in required courses for Dance Majors. Should a student fail to do so, the course(s) in which the student receives “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.
5. 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. Applicants for a major in music are required to pass an entrance audition in their respective performance areas. Composition applicants are required to submit appropriate scores and/or tapes of their compositions for faculty appraisal.

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 B.M. degree in Music Education 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.

ACCEPTANCE INTO THE SCHOOL OF MUSIC
Students must apply for acceptance into the USF School of Music if they are an incoming freshman, transfer student, or part-time student and plan to (1) major in any undergraduate or graduate music degree program; (2) minor in music; or (3) take applied lessons as a non-major for more than one credit hour. Contact the Coordinator of Music Admissions.

Applying for acceptance by audition into the School of music is a separate procedure from the University admissions process, and is not contingent upon status of the University application process. If a student is accepted into the School of Music but is denied acceptance into the University, he or she may contact the School for assistance in appealing this decision.

AUDITIONS
Audition Procedure: All students must audition before a committee consisting of the appropriate music faculty members or must audition directly before a major ensemble conductor and the prospective studio instructor. Campus audition dates are scheduled each year during February and March for Fall admission to the School of Music. Auditions for Spring admission are scheduled during December juries. Taped auditions may be considered, but must be heard by the faculty committee or ensemble director as above. Composition students must submit a portfolio as well as arrange an audition. Note that scholarship consideration will be given for live auditions only.

MUSIC THEORY PLACEMENT EXAMINATION
All freshmen and transfer music students are required to take a Music Theory Placement Examination. For placement in the Written and/or Aural Theory sequence, placement tests are given on the first day of classes each semester from 9:00 to 10:30 a.m. This test is evaluated by the Theory Coordinator and an appropriate score for placement is determined. The results of the exam will indicate the level of theory to which the student will be assigned.

An advanced placement into the second semester of the Theory sequence is available with a score of 4 or 5 on the Advanced Placement Program conducted by the College Entrance Examination Board.

TRANSFER POLICY
USF evaluates and transfers credits from other institutions the student has attended. To insure that transfer credits are properly applied toward the degree program, the issue should be discussed with the music advisor (CVPA advising office, FAH 120). Personal copies of transcripts (in addition to those sent to USF) of all past course work and a copy of a catalog from the institution(s) at which the credits were earned should be shown to the advisor. This will help to credit the maximum application of course work completed at other institutions to a USF degree. Credits applicable to the degree will be transferred only if they have grades of “C-” or better.

All incoming students must audition for acceptance into the School of Music and for placement in the applied music studio. Additionally, they must take placement tests in written theory, aural theory, and keyboard skills in order to receive advice for appropriate registration.

Theory courses taken in Florida public community colleges and the Florida State University System automatically transfer and substitute for the equivalent courses at USF.
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 above courses recommended.

**APPLIED MUSIC REQUIREMENT POLICY**

The following degree requirements must be completed in applied music:

- **B.M. in Performance (including Piano Pedagogy emphasis)**
  - Minimum of 24 hours, including a minimum of two semesters (6 hours) at the 4000 level.

- **B.M. in Composition**
  - Minimum of 8 hours of applied music principal, including a minimum of two semesters at the 2000 level or higher.

- **B.M. or B.S. in Music Education**
  - Minimum of 12 hours of applied music principal, including a minimum of two semesters at the 3000 level.

  First-time-in-college (FTIC) students generally will be placed at the 1000 applied music level; transfer students will be evaluated by the faculty Audition Committee and placed at the appropriate level. All students will be promoted to their next level of instruction upon the recommendation of their applied music teacher and successful completion of a performance examination (jury) by area applied music faculty. This examination may be scheduled at the conclusion of any semester, but definitely will occur at the end of spring semester.

  Where it is appropriate for the degree, the student is required to complete a minimum of one semester, but no more than three semesters at the 2000 or 3000 applied music levels. Failure to complete the 2000 or 3000 applied music level, by the recommendation of the applied teacher and jury members, within the three semester maximum brings automatic dismissal from the music program.

  Music Education majors may repeat the 3000 applied music level until the junior recital is given, and performance majors may repeat the 4000 applied music level until the senior recital is given and the necessary amount of applied credits have been earned.

  Performance majors may repeat the 4000 applied music level as necessary to fulfill the 24 credit hour degree requirement. No more than two semesters of study at the freshman, sophomore, or junior levels will be counted toward credit hour requirements for an undergraduate degree in performance.

  Applied music courses consist of private lessons (time to be arranged between the student and faculty member) as well as scheduled studio meetings. All undergraduate students enrolled in applied music are required to be enrolled concurrently in at least one appropriate major ensemble corresponding to the applied major.

**PIANO PROFICIENCY REQUIREMENT POLICIES**

All Music Majors (other than Piano Performance and Jazz Studies majors) must demonstrate proficiency on the piano, as established by the syllabi for Keyboard Skills I-IV, in order to graduate. They may do this in one of three ways:

1. A Piano Proficiency Placement Exam, whereby students are expected to demonstrate technical and musical skills through performance of repertoire, scales, arpeggios, harmonization, improvisation and sight-reading. (Sign-up sheets for this exam are posted outside FAH 217 during the first week of classes.) For students who do not pass this exam, the School of music offers four levels of Keyboard Skills courses as electives. Students will be placed in the level indicated by their exam performances. Ultimately, a grade of “C-” or better in Level IV satisfies the Piano Proficiency Requirement.

2. If the music advisor determines that a student does not have a background to be placed beyond Keyboard Skills Level I, they will advise the student to register for Level I and no exam will be necessary.

3. A student who feels that he or she has acquired the necessary skills to meet the Piano Proficiency Requirement (either through accelerated practice or private lessons) may also sign up for the Piano Proficiency Placement Exam the first week of any semester and demonstrate their acquired skills to the Keyboard Skills Coordinator. If a student passes this exam, the Piano Proficiency Requirement will be met.

Jazz Studies majors must satisfy the Jazz Piano Proficiency requirement through a placement test administered by the jazz faculty after completing the Jazz Theory and Improvisation II.

**RECITAL ATTENDANCE REQUIREMENT**

All music majors and minors are expected to attend recitals throughout the duration of their degree program. Performance (jazz and traditional) majors and composition majors are required to attend a minimum of 80 recitals. Music education majors are required to attend a minimum of 60 recitals. Music minors are required to attend a minimum of 20 recitals. It is recommended that students attend an average or 10 to 15 recitals each term. Transfer students will have the attendance requirement pro-rated according to their studio level placement, allowing for 10 recitals to be credited for every term waived.

Students should sign programs they attend and turn them in to the upstairs music office with their name and student I.D. number on each program. The purpose of this requirement is to ensure that music students hear a variety of student, faculty, and other professional-level performances. Students should register for MUS 2010, Recital Attendance, in the term in which they expect to complete the requirement. The course is graded S/U and is required for graduation.

**MAJOR PERFORMING ENSEMBLES**

To fulfill major ensemble requirements, the ensembles listed below may be used by music majors and minors.

- Concert Choir
- Chamber Singers
- Jazz Ensemble (big band)
- Jazz Chamber Ensemble (combo)
- Piano Ensemble
- Symphony Orchestra
- Symphony Band
- Wind Ensemble

**MINIMUM GRADE FOR MUSIC COURSES**

All music majors and minors must earn at least a “C-” in every music course required for their degree program. Music education students must earn at least “C-” in all required music, music education, and education courses. 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.

**STANDARDIZED TESTS**

All music students must complete an appropriate standardized test as a part of their senior seminar experience. Presently, all composition, jazz studies, and performance students take
the ETS Major Field Test in Music. Music education students take the ETS Music Education Praxis Test.

The B.M. Degree (Performance, Composition and Jazz Studies)

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

MUT 1111 Music Theory or MUT 1121, 1122, 2126, or 2127
MUT 1112 Music Theory or MUT 1121, 1122, 2126, or 2127
MUT 2116 Music Theory or MUT 2121, 1122, 2126, or 2127
MUT 2117 Music Theory or MUT 2121, 1122, 2126, or 2127
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 2221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUT 2247 Advanced Aural Theory or MUT 2221, 1222, 2226, 2227, 1261, 2261, 2266, 2267, 1271, 1272, 2276, or 2277
MUH 3301 (3)* MUH 3302 (3)* MUH 4801 (3)
* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

Music Electives (12-13 hours)

Fine Arts Requirement (6 hours)
Music majors should take one 3-hour CVPA course certified in Historical Perspectives and one 3-hour CVPA course certified in the Fine Arts section of the Liberal Arts Requirements in order to graduate within 120 semester credit hours. These courses must be taken in the Schools of Art and Art History and/or Theatre and Dance, not in the School of Music.

CORE REQUIREMENTS FOR JAZZ STUDIES

Music Theory (26)
MUT 1111 (3) MUT 2116 (3) MUT 2641 (2)
MUT 1112 (3) MUT 2117 (3) MUT 2642 (2)
MUT 1241 (1) MUT 2246 (1) MUT 3353 (3)
MUT 1242 (1) MUT 2247 (1) MUT 3354 (3)

Music Literature (3)
MUL 2111 (3)*
* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

Music History (9)
MUH 3301 (3)* MUH 3302 (3)* MUH 4801 (3)
* This course also satisfies 3 hours of Historical Perspectives in Major Works/Major Issues.

Conducting (2)
MUG 3104
Senior Seminar (1)
MUS 4955 (1)
MUS 2010 Recital Attendance (0)
Ensemble
Performance Majors (8), Composition (4)

Additional Requirements for Specific Concentrations

PERFORMANCE CONCENTRATION
All performance majors are required to take a total of 24 credit hours of applied music major with a minimum of 6 hours to be completed at the 4000 level.

Voice performance majors must enroll in a USF choir (MUN) for six semesters and in USF opera (MUO) for two semesters, concurrent with enrollment in applied voice (MVV). They also must enroll in MUS 2201 for a total of 3 credits as part of their Music Electives.

Voice performance majors are required to be competent at the beginning level of French, German, and Italian languages in addition to taking foreign language diction classes offered in the School of Music. Proficiency tests are administered by the Department of World Language Education. If needed, courses 1120 (4 credit hours) and 1120L (lab for 1 credit hour) in each language may be taken in the College of Arts and Sciences for up to 15 credit hours to meet the foreign language proficiency requirement.

Performance majors in piano are required to enroll in MVK 4640 for 4 credits as a part of the Music Electives.

The following requirements for the piano pedagogy emphases are to be taken as part of the Music Electives:
MVK 4640 (4) MVK 4641 (4)

RECITAL SCHEDULING PROCEDURES AND POLICIES
JUNIOR RECITAL/APPLIED MUSIC: A public recital, either solo or shared, will be given during the student's junior year. The student should have achieved junior classification as defined by the university and should be enrolled at the 3000
level in applied music, which would normally occur during a student's senior year. A student may be granted the opportunity to transfer to the School of Music and register for a recital. Students may be granted a senior recital at the School of Music. For more information, see the College of Visual and Performing Arts requirements, see the College of Visual and Performing Arts requirements.

MUSIC EDUCATION CONCENTRATION

Requirements for the B.M. Degree in Music Education (MEU)

This concentration for the B.M. degree requires 121 credit hours, including a full internship. It does not provide Florida teacher certification upon graduation. However, alternative certification (permanent) can be earned while working as a full-time teacher with provisional certification (up to three years). The growing requirements in the State of Florida for teacher preparation and certification are not applicable to this degree, thus eliminating the requirements for many courses to be taken outside the School of Music. Many supervisors of music in public school districts have expressed strong approval for this program and will readily employ our graduates.

Music Theory
MUT 1111 Music Theory I 3
MUT 1112 Music Theory II 3
PR for MUG 3104 and MUL 2111
MUT 2116 Advanced Music Theory III 3
MUT 2117 Advanced Music Theory IV 3
Aural Theory
MUT 1241 Aural Theory I 1
MUT 1242 Aural Theory II 1
MUT 2246 Advanced Aural Theory III 1
MUT 2247 Advanced Aural Theory IV 1
Keyboard Skills
MVK 1111, 1121, 2111, 2121 0-8
Proficiency by testing or course(s)

Basic Conducting (MUG 3104) 2
PR for MUE methods / conducting

Music Literature and History
MUL 2111 Introduction to Music Literature 3
PR for 3301/3302 (Gen Ed HP or FA)*
MUC 2051 Folk and Traditional Music of World Cultures 3
Gen Ed ALAMEA*
MUC 3301 Baroque and Classic 3
LA Exit MW/MI
MUC 3302 Romantic through Contemporary 3
LA Exit MW/MI
*Waived for Florida community college transfer students who did an MUL Gordon (6A) course / ALAMEA course for the AA degree

Applied Principal (Studio)
MV? 131X, 232X, 333X (2 terms each level) 12
Culminating in Junior Recital
Major Ensemble (MUN XXX)  
Concurrent registration with studio

Recital Attendance (MUS 2101)  
Attendance at minimum 60 programs

TEACHING PROFICIENCY

All music education students must demonstrate teaching proficiency upon completion of MUE 2090 in order to continue in the program. In order to graduate with the B.M. degree in music education, the GPA in music courses must be at least 2.5.

Music Education

MUE 2090 Theoretical Bases of Music Education  
includes school observations)  3
MUE 3421 Choral Techniques and Pedagogy  
(1 + 1)  2
MUE 3423 String Techniques and Pedagogy  1
MUS 4930 Guitar Class  1
MVP 1211 Percussion Class  
(percussion principals exempt)  1
MUN 3313 University Singers  1
EME 2040 Introduction to Educational Technology  
or other computer technology course, e.g., MUS 6525, Computer Applications in Music  3
EME 3930 Music Education Forum (minimum 4 terms)  4
  (1 x 4)
  (includes educational law, professional ethics, and school safety)
MUE 4311 K-12 General Music Methods and Practicum (includes pre-internship)  4
MUE 4331 Choral Methods in the Secondary School (includes pre-internship)  3
MUE 4332 Instrumental Methods in the Secondary School (includes pre-internship)  3
MUE 4480 Special Ensemble Methods (may be repeated to enroll in other sections)  2-6
  (001-Marching Band Methods; 002-Jazz in the Public Schools; 003-World Music Methods)
MUE 4490 Internship  6-10

Liberal Arts Requirements: General Education and Exit
(12 credits satisfied in music)  33 (+ 12)

Gordon Rule

Communication (12) and Computation (6)

CLA conservatism (College Level Academic Skills Tests) must be satisfied by exemption or by testing for USF degree.

GKT (General Knowledge Test) and FTCE  
(Florida Teacher Certification Exam: PED and SAE subtests) must be successfully completed for Florida teacher certification.

Requirements for the B.S. Degree in Music Education (MUE)

Prerequisites (State Mandated Common Prerequisites)

Transfer students should complete the following prerequisites courses listed below at the lower level prior to entering the university. If these courses are not taken at a Florida 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 and Field Experience  3
EME 2040 Introduction to Educational Technology  
(1 x 4)

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
Requirements for a Minor in Music

Students seeking a minor in music must 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)
   - 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)
      - Composition Studio courses which may include one course of orchestration (6)
      - Music Ensemble (1)

   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.

Requirements for a Minor in Electronic Music

Students seeking a minor in electronic music must be proficient in basic music theory. They may establish their proficiency either by taking the Theory Placement Test and placing in Music Theory I, MUT 1111, or by completing Rudiments of Music, MUT 1001, with a minimum grade of “C-“. A minimum of 8 hours for the minor must be earned at USF.

STUDIES IN ELECTRONIC MUSIC (in the following sequence)

- MUC 2301 Introduction to Electronic Music 3
- MUC 3401 EM: Analog Synthesis I 3
- MUC 3402 EM: Analog Synthesis II 3
- MUC 3441 EM: Digital Synthesis I 3
- MUC 3442 EM: Digital Synthesis II 3

ELECTIVES IN MUSIC (may be concurrent with EM courses)

- Excluding non-major music courses 4-6
- Taken from applied music (including ensembles), music composition, music education, music history, music literature, and music theory.

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 organizations, maintain active chapters in the School of Music. Additionally, chapters of the College Music Educators National Conference, American Choral Directors Association, Kappa Kappa Psi Band Fraternity and the International Association of Jazz Educators provide an important liaison with other professional musicians and teachers.

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: Norman Dello Joio, Olly Wilson, Randall Thompson, Guarneri String Quartet, Virgil Thompson, Beaux Arts Trio, Walter Trampler, Boris Goldovsky, Fred Hemke, Gregg Smith, Lukas Foss, etc.
FINANCIAL AID
Scholarship and Service Award Guidelines

The School of Music offers a variety of financial aid programs to assist talented musicians in their musical studies. Awards typically are made on the basis of excellence in musicianship and/or personnel needs in a particular performance area. Financial assistance programs include four-year scholarship commitments, semester service awards, and/or tuition fee waivers. Each type of financial aid award has specific guidelines for the initial award and continuation of the award.

The committee will make recommendations to the appropriate ensemble director. These recommendations may include a suggested award amount and/or simply a designation as to the eligibility level of the student. Final recommendations on the amount of the award given will be made by the appropriate ensemble director to the Director of the School of Music. These decisions will be based upon a variety of factors including: available budget, proven ability of student, ensemble/school needs, potential to succeed, academic record, letters of recommendation. Eligibility: auditioning, transfer, and returning students intending to participate in a major ensemble are eligible to apply and audition for a financial award. Two types of awards (Scholarships and Service Awards) are in place, each with its own set of criteria. Scholarship awards will be automatically renewed every year (four years for entering freshmen or until the anticipated graduation date for transfer students) upon the request of the student and maintenance of the standards (described below) established by the School of Music. Service Awards must be renewed every semester via approval of the ensemble director.

Service Award
The student must enroll for credit and perform satisfactorily in the ensemble awarding the money. The student is not required to study in an applied studio, to be enrolled for 12 credit hours, to meet minimum academic standards or to be pursuing a music major or minor. All service award recipients must request renewal directly from the ensemble director granting the award each semester. The director may request the student to re-audition or may choose not to renew the award.

Scholarship Award
- Student must be pursuing a music major or minor
- Student must maintain a minimum of 12 semester hours of course load in each semester
- Student must maintain a GPA of 2.5 overall and 3.0 in all music courses
- Student must enroll for credit in an applied music studio appropriate to the performing instrument
- Student must enroll for credit in the ensemble(s) appropriate to the performing instrument
- Student may be obliged to perform in two ensembles depending upon the needs of the ensemble program
- NOTE: All music students on scholarship will be required to perform up to two services per semester in reading/performing student composer projects as part of the expectations to maintain their music financial aid. These two services are not inclusive of rehearsals to prepare the student works should public performance be a part of the required services. The Coordinator of the Composition program or his/her designee will organize administration of the composition program and the student participation in required services.

Continuing Students Scholarship: All scholarship students who wish to continue to receive their awards must fill out a Continuing Scholarship Application Form in the Spring semester. Failure to do so will result in the reallocation of the scholarship to other students. Each student must also submit a performance evaluation sheet from their applied teacher and major ensemble director along with their request for renewal.

Duration of Awards: Scholarship awards are given to incoming freshmen for eight semesters. Length of award to transfer students will be determined after an evaluation of their transcript has projected a graduation date. Students may not continue to renew their scholarship beyond this point. They may, however, apply to an ensemble director for a service award after this time. Service awards may be renewed as many times as are deemed appropriate by the ensemble director.

Revocation of Awards: Scholarship awards may be revoked if students
- Fail to maintain full-time status (12 credit hours)
- Fail to maintain required GPA
- Fail to participate in appropriate ensembles (as determined by applied teachers and ensemble directors)
- Switch major area of study outside of music
- Fail to perform satisfactorily in applied lessons or major ensemble(s)

Repayment of award will be sought from any student who drops out of school, drops out of ensemble/applied music participation, or fails to maintain 12 credit hours during a semester in which they have received an award.

Interning Students: A student, during his/her interning semester, may continue to receive scholarship monies (even though they may be unable to comply with the ensemble requirement) upon approval by the Director of the School of Music. The Director will, as a matter of course, seek the recommendation of the applied instructor and the Coordinator of Music Education.

THEATRE (TAR)
The Theatre Program 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.

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. 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.
2. The John W. Holloway endowed chair in theatre and dance provides funds annually for guest artist residencies. The Holloway Program provides classes and production experiences with internationally renowned artists in design, directing, acting, writing, and musical theatre.
3. USF’s Theatre program has a formal student Exchange Program with Middlesex University in London, England.

4. The School Honors Program allows selected students to work on special projects with faculty and guest artists for up to one year. The Honors Program is available to upper level majors who have a 3.5 GPA in the major and a 3.2 overall GPA and who have achieved a comparably high level of artistic or scholarly achievement. A 6-8 credit one-year sequence of courses is offered to students accepted into the Honors Program. The sequence progresses from a reading seminar to a guest artist practicum to a student thesis or project. With approval of director and instructor, the entire Honors sequence may substitute for one of the Theatre History/Literature requirements (THE 4593 (2), THE 4594 (3), THE 45 95 (1-3)).

Guest artists have been working professionals from New York, San Francisco, Denver, Los Angeles, Munich, London, Tel Aviv.

Visiting Artists and Artists-in-Residence
TheatreUSF actively promotes guest artists on campus. A representative list of artist from the last ten years includes Maria Aitken, Peter Barkworth, Bill Bryden, Daniel Chunmley, Russel Craig, Matthew Francis, George Froscher, Christopher Fry, John and Lisel Gale, Patrick Garland, Ronald Harwood, Jeff Jones, Rachel Kavanagh, Sam Mendes, Bob Moody, Eric Overmyer, Louise, a Eve Postal, Olga Petrovna, Roni Pinkovitch, Denis Quillely, Gerlind Reishagen, L. Kenneth Richardson, Lord Brian Rix, James Roose-Evans, Dorothy Tunit, Robert Wierzel, and Jose Yglesias. These and others have helped the development department 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 Spoleto Festival, Yale Repertory Theatre, and Habimah Theatre in Israel.

Requirements for the B.A. Degree with a Major in Theatre
Prerequisites (State Mandated Common Prerequisites)
For students transferring from a Community College: Students are encouraged to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the courses below recommended.

Students need not have completed a concentration of courses in theatre in order to consider a Theatre major at USF. However, admission to the 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 university, they may substitute for one of the Theatre History/Literature requirements in the entirety (THE 4593, 4594, 4595) may substitute for one Theatre History/Literature course requirement.

THE 2020 Introduction to Theatre
THE 2300 Script Analysis, 3 semester hours
TPA 1290 Production Involvement, 1 semester hour
TPA 2200 Introduction to Technical Theatre I, 3 semester hours
TPP 1190 Studio Theatre-Cast, 1 semester hour
TPP 2190 Voice-Body-Improvisation, 3 semester hours
TPP 2210 Studio Theatre-Cast, 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, normally taken in the years indicated:

Core Curriculum (33 hours)

<table>
<thead>
<tr>
<th>First Year (14 hours)</th>
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<tbody>
<tr>
<td>THE 2020 Introduction to Theatre</td>
<td>(3)</td>
</tr>
<tr>
<td>TPP 2110 Voice-Body Improvisation</td>
<td>(3)</td>
</tr>
<tr>
<td>TPA 2200 Intro to Technical Theatre I</td>
<td>(3)</td>
</tr>
<tr>
<td>TPA 2290L Intro to Technical Theatre Lab I</td>
<td>(1)</td>
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<td>TPA 2211 Intro to Technical Theatre II</td>
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<td>TPP 2291L Intro to Technical Theatre Lab II</td>
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<td>THE 2305 Script Analysis</td>
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<td>Choice of:</td>
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<tr>
<td>THE 3110 Theatre History I - XMW or</td>
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<tr>
<td>THE 3111 Theatre History II - XMW and</td>
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<td>TPA 2292 Production Involvement I</td>
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<td>TPP 2190 Studio Theatre Performance I</td>
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<th>Third Year (8 hours)</th>
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<td>Choice of two Theatre History/Literature:</td>
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<td>THE 3110 Theatre History I - XMW</td>
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<td>THE 4180 Theatre Origins -6A -XMW-XLW</td>
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<td>THE 4320 Theatre of Myth and Ritual -6A -XMW-XLW</td>
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<td>THE 4330 Shakespeare for the Theatre -6A -XMW -XLW</td>
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<td>THE 3460 19th Century Theatre Revolution -6A -XLW-XMW</td>
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<td>THE 4401 O’Neill and After -6A-XMW-XLW</td>
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<tr>
<td>THE 4434 Caribbean Theatre -6A -XMW-XLW</td>
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<td>THE 4435 Theatre of Pluralism -6A -XMW-XLW</td>
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<tr>
<td>THE 4442 Comedy of Classic &amp; Neoclassic Stage -6A -XLW-XMW</td>
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<tr>
<td>THE 4480 Drama Special Topics</td>
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Note: By prior agreement between the director and instructor the Honors sequence in its entirety (THE 4593, 4594, 4595) may substitute for one Theatre History/Literature course requirement.

<table>
<thead>
<tr>
<th>Fourth Year (3 hours)</th>
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<tr>
<td>TPA 4293 Production Involvement II</td>
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<tr>
<td>TPP 4193 Studio Performance II</td>
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REQUIRED COURSES FOR AREAS OF STUDY IN THEATRE
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
Total Hours 92-94
TPP Courses: 3
THE; TPA; TPP Courses 18
Free Electives 5-7
Total Hours 26-28

Performance Concentration (BA Degree)
General Education: 36
Language: 8-10
Exit Courses: 9
Fine Arts (Non-Theatre): 6
Theatre Core: 33
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
TPA 3007 Introduction to Design I 3
TPA 3008 Introduction to Design II 3
TPA 3208 Drafting & CAD I 3
TPA 3231 Costume Construction 3
TPA 3221 Lighting Theory and Practice 3
TPA 3251 Drafting and CAD II 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 6
Total Hours 45

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 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.

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
Total Hours 84
TPA 3007 Introduction to Design I 3
TPA 3008 Introduction to Design II 3
TPA 3208 Drafting & CAD I 3

ART AND ART HISTORY

MUSIC AND MUSIC EDUCATION

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:

**AMH 2010, 2020 AMERICAN HISTORY I, II (4,4)**

Credits separated by a hyphen indicate variable credit:

**HUM 4905 DIRECTED RESEARCH (1-5)**

**MAT 7912 DIRECTED RESEARCH (var.)**

The following abbreviations are utilized in various course descriptions:

- **PR** Prerequisite
- **CI** With the consent of the instructor
- **CR** Corequisite
- **Lec.** Lecture
- **Dem.** Demonstration
- **Lab.** Laboratory
- **Pro.** Problem
- **Disc.** Discussion
- **Dis.** Disussion

**SPECIAL INFORMATION COURSE CODES**

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<td>FA</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for Fine Arts</td>
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<tr>
<td>HP</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for Historical Perspectives</td>
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<tr>
<td>NS</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for Natural Sciences</td>
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<tr>
<td>AF</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for African, Latin American, Middle Eastern, or Asian Perspectives</td>
</tr>
<tr>
<td>QM</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for Qualitative Methods</td>
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<tr>
<td>SS</td>
<td>Course fulfills part of the Liberal Arts General Education Requirement for Social Sciences</td>
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<tr>
<td>LW</td>
<td>Course fulfills part of the Liberal Arts Exit Requirement for Literature and Writing</td>
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<td>MV</td>
<td>Course fulfills part of the Liberal Arts Exit Requirement for Major Works and Major Issues</td>
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**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**

```
<table>
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Naval Science (Navy ROTC) Undergraduate Studies
Nursing Nursing
Philosophy Arts and Sciences
Physical Education - Elective Education
Physical Education - Professional Education
Physics Arts and Sciences
Polish (Language) Arts and Sciences
Political Science Arts and Sciences
Portuguese (Language) Arts and Sciences
Psychological and Social Foundations of Education Education
Psychology Arts and Sciences
Public Administration Arts and Sciences
Public & Community Health Education
Reading Public Health Undergraduate Studies
Reading Education Education
Rehabilitation Counseling Arts and Sciences
Religious Studies Arts and Sciences
Russian (Language) Arts and Sciences
Social Science Education Education
Social Sciences, Interdisciplinary Arts and Sciences
Social Work Arts and Sciences
Sociology Arts and Sciences
Spanish (Language) Arts and Sciences
Special Education Education
Theatre Visual and Performing Arts
Women's Studies Arts and Sciences
Yoruba (Language) Arts and Sciences

Language
General Foreign Languages ENS, FLE, FOL, FOW, LIN, TSL
Arabic ARA
Chinese CHI
French FRE, FRW
German GER, GET, GEW
Greek GRK
Hebrew HBR
Italian ITA, ITW
Japanese JPN
Polish POL
Portuguese POR
Russian RUS, RUT
Spanish SPN, SPT, SPW
Yoruba YOR

Liberal Studies IDS
Library & Information Science LIS
Linguistics
Mass Communications
Marine Science OCB, OCC, OCE, OCG, OCP
Mathematics CGS, COP, MAA, MAC, MAD, MAE, MAP, MAS, MAT, MGF, MHF, MTG, STA
Medical Technology MLS
Microbiology MCB
Philosophy PHH, PHI, PHM, PHP, WST
Physics PHY, PHZ
Psychology CBH, CLP, DEP, EXP, INP, PPE, PSB, PSY, SOP
Rehabilitation Counseling RCS
Religious Studies CLA, GRE, HEB, REL
Ancient Studies CLA, HEB
Science Education SCE
Social Science Education
Social Work
Sociology SYA, SYD, SYG, SYO, SYP
Women's Studies AFA, AMH, AMS, ANT, COM, LIT, PHI, PHM, POS, PUP, REL, SOP, SPT, SYD, WST

College of Business Administration
Accounting ACG, TAX
Common Body of Knowledge GEB
Economics ECO, ECP, ECS
Finance FIN, REE, RMI
General Business Administration BUL, GEB, MAN
Information Systems & Decision Sciences CGS, GEB, ISM, QMB
Management MAN
Marketing MAR

College of Education
Adult Education ADE, BTE, DEC, EIA, EIV, EVT, OST
Business and Office Education BTE
Computers in Education EME
Content Specializations ARE, FLE, MAE, SCE, SED, SSE
Elementary Education EDE, EDG, EDS, LAE
English Education FLE
Foreign Language Education MAE, RED, SCE, SSE
Higher Education EDH
Humanities Education HUM
Industrial/Technical Education EIA, EIV, EVT
Measurement-Research EDL
Physical Education - Elective HLP, PEL, PEM, PEN, PEQ, PET

Listing of Departments and Programs
Alphabetically by College, Department/Program
Common Course Prefixes

College of Architecture ARC
Architecture

College of Arts and Sciences
Africana Studies AFA, AFH, AFS, AMH, AML, AMS, ANT, COP, HUM, INR, ISS, PHI, PHM, PUP, SPC
American Studies AMS, PGY
Anthropology ANT
Astronomy AST
Biology BOT, BSC, ENY, MCB, PCB, ZOO
Chemistry BCH, CHM, CHS
Classics CLA, CLT
Greek GRE, GRW
Latin LAT, LW
Communication COM, ORI, SPC
Communication Sciences & Disorders SPA
Community Experiential Learning IDS
Criminology CCI, CJT
Economics ECN, ECO, ECP, ECS, GEB, QMB
English AML, CRW, ENC, ENG, ENL, LAE, LIN, LIT, WST
Environmental Science & Policy EVR
Geography GEO, MET, URF
Geology GLY, OCE, OCG
Gerontology GEA, HUS
Government & International Affairs
International Studies AFA, ASN, EUS, INR, LAS, WST
Political Science CPO, INR, POS, POT, PUP, URP
Public Administration PAD
History AFH, AMH, ASH, EUH, HIS, LAH, WST
Humanities HUM
Interdisciplinary Sciences ISC
Interdisciplinary Social Sciences ISS, STA

College of Business Administration
Accounting ACG, TAX
Common Body of Knowledge GEB
Economics ECO, ECP, ECS
Finance FIN, REE, RMI
General Business Administration BUL, GEB, MAN
Information Systems & Decision Sciences CGS, GEB, ISM, QMB
Management MAN
Marketing MAR

College of Education
Adult Education ADE, BTE, DEC, EIA, EIV, EVT, OST
Business and Office Education BTE
Computers in Education EME
Content Specializations ARE, FLE, MAE, SCE, SED, SSE
Elementary Education EDE, EDG, EDS, LAE
English Education FLE
Foreign Language Education MAE, RED, SCE, SSE
Higher Education EDH
Humanities Education HUM
Industrial/Technical Education EIA, EIV, EVT
Measurement-Research EDL
Physical Education - Elective HLP, PEL, PEM, PEN, PEQ, PET
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The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

Course Prefix: The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

Authority for Acceptance of Equivalent Courses: State Board of Education Rule 6A-10.024(17), Florida Administrative Code, reads:

When a student transfers among institutions that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions on the same basis as credit awarded to native students. Credit so awarded can be used by transfer students to satisfy requirements in these institutions on the same basis as native students.

Exceptions to the General Rule for Equivalency: The following courses are exceptions to the general rule for course equivalencies and may not be transferable. Transferability is at the discretion of the receiving institution:

A. Courses in the _900-_999 series (e.g., ART 2905)
B. Internships, practica, clinical experiences, and study abroad courses
C. Performance or studio courses in Art, Dance, Theater, and Music
D. Skills courses in Criminal Justice
E. Graduate courses
F. Courses not offered by the receiving institution

College preparatory and vocational preparatory courses may not be used to meet degree requirements and are not transferable.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to Office of the Dean, Undergraduate Studies, USF, SVC 2002, 4202 East Fowler Avenue, Tampa, FL 33620-6590, or the Florida Department of Education, K-16 Articulation, 401 Turlington Building, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 488-6402 or Suncom 278-6402.
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 presentation of financial statements.

ACG 2071 Principles of Managerial Accounting - (3) BA ACC
PR: ACG 2021 with a grade of “C” or better. 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 toward 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 2021. Theory and methodology underlying financial reporting, including the FASB’s conceptual framework, the accounting process, financial statements, accounting changes, present value applications, and current assets.

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 3103 and 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 standards for planning and control.

ACG 3401 Accounting Information Systems - (3) BA ACC
PR: ACG 2021 and CGS 2100. Students who complete this course will not receive credit for ACG 4621. This course provides students with a basic understanding of well-controlled information systems in a variety of technological environments with added emphasis on the collection, processing, and reporting of accounting information.

ACG 4123 Intermediate Financial Accounting III - (3) BA ACC
PR: ACG 3113 with a grade of “C” or better (not C-). 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.

ACG 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.

ACG 4901 Independent Study - (1-3) BA ACC
PR: Consent of Director. S/U only. Specialized independent study determined by the student, instructor, and interests.

ACG 4911 Independent Research - (1-4) BA ACC
PR: Consent of Director. Individual study contract with instructor and director required. The research project will be mutually determined by the student and instructor.

ACG 4931 Selected Topics In Accounting - (1-4) BA ACC
The course content will depend on student demand and instructor's interest.

ACG 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.

ACG 5673 Internship - (3) BA ACC
PR: ACG 3113 and ACG 3401. CR: ACG 4632. The objective of Internship 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.

ACG 5935 Selected Topics In Accounting - (1-4) BA ACC
PR: Consent of Director. A study of advanced auditing principles and techniques in selected audit problems.

ACG 5944 Working With The Adult Learner - (3) ED EDV
An investigation of the needs of the adult learner. Identification of principles of adult learning; physiological, psychological, and social characteristics of adult learners, and corresponding implications are explored.

ADV 3000 Introduction to Advertising - (3) AS COM
PR: ADV 3000 and ECO 1000. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic, and legal aspects.

ADV 3101 Advertising Copywriting - (3) AS COM
PR: ADV 3000 and ECO 1000. Study of laboratory experience in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays, specialty items, and interactive electronic media.

ADV 3103 Radio-Television Advertising - (3) AS COM
PR: ADV 3000. An intensive study and analysis of radio and television for advertising purposes, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

ADV 3300 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 3330 Advertising Media Strategy - (3) AS COM
PR: ADV 3000 and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3501 Advertising Research - (3) AS COM
PR: ADV 3000. Overview of scientific research methods as used in advertising. Emphasis on the acquisition, analysis, and evaluation of primary and secondary data, and the principles of survey and experimental research.

ADV 3700 Retail Advertising Planning and Execution - (3) AS COM
PR: ADV 3000 and ADV 3101. A study of retail advertising, including management decisions, processes, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4600 Advertising Management - (3) AS COM
PR: ADV 3000, ADV 3101, ADV 3300. Study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic, and legal aspects.

ADV 4800 Advertising Campaigns - (3) AS COM
PR: ADV 3101, ADV 3300, ADV 3501, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaigns, including research, production methods, budgeting, and media schedules.

ADV 4940 Advertising Practicum - (1) AS COM
PR: Consent of Director. 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.

AF 2000 Introduction to Working With 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 black communities in the Americas.

AF 3301 African and the Latin American - 6A SS AF(3) AS AF
An examination of the historical and current political, economic, and cultural relations between the United States and Africa.

AFA 3113 Black English - MV (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 ideology.

AFA 4313 Social Institutions and the African American Community - (3) AS AFA
A study of social institutions that relate to the African American community, with emphasis on social systems operating within and on the African American community.
AFR 3210 The Evolution of USAF Aerospace Power Part I - (1) US AFR
CR: AFR 2000, AFR 2001. A study of air power from balloons and dirigibles through the jet age. Emphasis is on the employment of air power in WWI and WWII and how it affected the evolution of air power doctrine.

AFR 2140 The Evolution of USAF Aerospace Power Part 2 - (1) US AFR

AFR 4200 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 (officer). 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 4231 Air Force Leadership and Management - II - (3) US AFR
CR: AFR 2000, AFR 2001. A continuation of the study of Air Force leadership and management. Emphasis 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 case studies are used to enhance the learning and communication processes.

AFR 4201 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 U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military and the role of the professional military leader-manager in a democratic society.

AFR 4211 National Security 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 social constraints on the national defense structure; the impact of technological and international developments on strategic preparedness; the variables involved in the formulation and implementation of national security policy; and military justice and its relationship to civilian law.

AFR 4200 Air Force Leadership and Management - I - (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 U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military and the role of the professional military leader-manager in a democratic society.

AMH 2010 American History I - (3) AS AHY
CR: AFS 3250. A study of the American Revolution and the development of the United States to 1877. Emphasis is on issues of national objectives. Emphasis is on the period from post WWII to present.

AMH 2020 American History II - (3) AS AHY
CR: AFS 3250. A history of the United States with attention given to relevant developments in the Western Hemisphere from European origins to 1877.

AMH 3110 American Colonial History to 1750 - (4) AS AHTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from 1777 to present.

AMH 3130 The American Revolutionary Era - (4) AS AHTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from 1777 to present.

AFR 4200 Air Force Leadership and Management - I - (3) US AFR
CR: AFR 2000, AFR 2001. A study of air power from balloons and dirigibles through the jet age. Emphasis is on the employment of air power in WWI and WWII and how it affected the evolution of air power doctrine.

AFR 2140 The Evolution of USAF Aerospace Power Part 2 - (1) US AFR
AMH 3140 The Age of Jefferson - (4) AS HTY
A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and 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 1860's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences. The course concludes with the end of Reconstruction (1877).

AMH 3201 The United States, 1877-1914 - (4) AS HTY
A study of America from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations and imperialism.

AMH 3231 The United States, 1914-1945 - (4) AS HTY
The United States since 1945. Will focus on the Cold War and the emergence of the United States as the world's only superpower. Will cover both the superpower and its major rivals.

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 civil rights, protest movements, and abuses of political power.

AMH 3343 The South since 1865 - (4) AS HTY
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, demagoguery and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3421 Early Florida - (4) AS HTY
A history of colonial Florida under the Spanish and English. Florida is by turns a land of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

AMH 3423 Modern Florida - (4) AS HTY
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

AMH 3500 American Labor History - (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 minorities and women), and their responses as expressed in strikes, unions, and political action.

AMH 3510 U.S. Diplomatic History to 1898 - 6(4) AS HTY
The development of American Foreign Relations in the Agricultural era.

AMH 3511 U.S. Diplomatic History in the 20th Century - (4) AS HTY
A history of American Foreign Relations in the Industrial era.

AMH 3520 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.

AMH 3540 United States Military History - (4) AS HTY
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

AMH 3545 War and American Empire - (4) AS HTY
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and empire from the Revolution through Viet Nam.

AMH 3561 American Women I - (4) AS HTY
A study of women in the evolution of American society from European origins to 1877. Women’s roles in the family, economy, politics, immigration, wars, religion and reform movements will be examined.

AMH 3562 American Women II - (4) AS HTY
A study of women in the evolution of American society from 1877 to the present. Women’s roles in the family, economy, politics, immigration, wars, religion and reform movements will be examined.

AMH 3571 African American History to 1865 - HP(3) AS AFA
A survey of African American history, with an emphasis on North American societies. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War.

AMH 3572 African American History since 1865 - HP(3) AS AFA
A survey of African American history, with an emphasis on North America, from 1865 to the present. Topics include Reconstruction, World War I, World War II, and the Civil Right Movement.

AMH 3590 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.

AMH 3602 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.

AMH 3651 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.

AMH 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 geographical, political, social, and intellectual forces. Will not be counted toward the English major.

AMH 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.

AMH 4111 Nineteenth-Century American Novel - (3) AS ENG
A study of the novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.

AMH 4121 Twentieth-Century American Novel - (3) AS ENG
A study of major trends and influences in American prose fiction from 1900 to the present. Includes works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Updike, Vonnegut, and others.

AMH 4261 Literature of the South - (3) AS ENG
A study of the major writers of the “Southern Renaissance,” including writers such as Faulkner, Wolfe, Caldwell, Hellman, McCullers, O’Connor, Warren, Styron, Tate, Davidson, and Dickey.

AMH 4303 Zora Neale Hurston: Major Works - 6A MW L W(3) AS AFA
PR: Junior or Senior standing. The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and a renown Florida writer.

AMH 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 Hemingway, Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be taken twice for credit with different topics.

AMH 4624 Black Women Writers - 6A LW(3) AS AFA
Black women writers focuses on the literature of women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of African woman in context of a global community.

AMH 4300 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 2663 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, performance arts, jazz music, rock of the family, American success myth, youth in America. Topic varies.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
<th>Registration Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 3001</td>
<td>American Culture 1880-1915 - 6A HP (3) AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>Integration of major aspects of American life between the 1880s and World War I.</td>
</tr>
<tr>
<td>AMS 3210</td>
<td>Regions of America - HP (4) AS AMS</td>
<td>4</td>
<td>AMS</td>
<td>The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions. Topic varies.</td>
</tr>
<tr>
<td>AMS 3230</td>
<td>America During the 20s and 30s - (4) AS AMS</td>
<td>4</td>
<td>AMS</td>
<td>Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twentieth and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during the period.</td>
</tr>
<tr>
<td>AMS 3260</td>
<td>American Culture, 1830-1860 - 6A HP (4) AS AMS</td>
<td>4</td>
<td>AMS</td>
<td>Examines the patterns of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.</td>
</tr>
<tr>
<td>AMS 3370</td>
<td>Southern Women: Myth and Reality - 6A HP (3) AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history.</td>
</tr>
<tr>
<td>AMS 3601</td>
<td>Material Culture and American Society - SS HP (3) AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans and communal societies.</td>
</tr>
<tr>
<td>AMS 3701</td>
<td>Racism in American Society - SS HP (3) AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of ethnocentrism and class conflict will also be studied.</td>
</tr>
<tr>
<td>AMS 3930</td>
<td>Selected Topics in American Studies - (4) AS AMS</td>
<td>4</td>
<td>AMS</td>
<td>Offersings include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.</td>
</tr>
<tr>
<td>AMS 4152</td>
<td>Film in American Culture - (3) AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>Surveys the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, performer, subject, or period of time.</td>
</tr>
<tr>
<td>AMS 4804</td>
<td>Major Ideas in America - M W/3 AS AMS</td>
<td>3</td>
<td>AMS</td>
<td>Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, utopianism, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies.</td>
</tr>
<tr>
<td>AMS 4910</td>
<td>Individual Research - (1-4) AS AMS</td>
<td>1-4</td>
<td>AMS</td>
<td>The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.</td>
</tr>
<tr>
<td>AMS 4930</td>
<td>Selected Topics in American Studies - (1-4) AS AMS</td>
<td>1-4</td>
<td>AMS</td>
<td>PR: Senior in American Studies or CI. Offerings include the social implications of American parenting, Technology in Twentieth Century America, American Environmental Problems, Popular Culture in America, American Military Experience, and Labor in America.</td>
</tr>
<tr>
<td>AMS 4933</td>
<td>Seminar in American Studies - (4) AS AMS</td>
<td>4</td>
<td>AMS</td>
<td>PR: Senior in American Studies or CI.</td>
</tr>
<tr>
<td>AMS 4940</td>
<td>Internship in American Studies - (1-2) AS AMS</td>
<td>1-2</td>
<td>AMS</td>
<td>A structured, out-of-class learning experience designed to provide first-hand, practical training in careers related to American Studies. Restricted to American Studies majors. Repeatable up to 4 credit hours.</td>
</tr>
<tr>
<td>ANG 5910</td>
<td>Individual Research - (2-4) AS ANT</td>
<td>2-4</td>
<td>ANG</td>
<td>PR: DPR. Contract required prior to registration. S/U. Individual guidance in selected research project.</td>
</tr>
<tr>
<td>ANG 5937</td>
<td>Seminar In Anthropology - (2-4) AS ANT</td>
<td>2-4</td>
<td>ANG</td>
<td>PR: Senior or GS. Topics to be chosen by students and instructor.</td>
</tr>
<tr>
<td>ANT 1149</td>
<td>Fantastic Archaeology: Mysteries of the Human Past - (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology - SS AF (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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), linguistic anthropology (the analysis of language in its cultural context), and cultural anthropology (the cross-cultural study of peoples living in the world today, be they in tribal, peasant, or urban societies).</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology - SS AF (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>PR: ANT 2000 or DPR. Discussion of major methods of and orientations to the cross-cultural study of the world’s peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology - NS (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 3005</td>
<td>The Anthropological Perspective - AF (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>For non-anthropology majors only. May not be counted for credit toward an anthropological major. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at enabling the student to discern their sources and purposes, and contrast them with history.</td>
</tr>
<tr>
<td>ANT 3101</td>
<td>Archaeology - SS (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Anthropological Linguistics - SS (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>PR: ANT 2000 or DPR. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.</td>
</tr>
<tr>
<td>ANT 3930</td>
<td>Selected Topics in Anthropological Studies - (4) AS ANT</td>
<td>4</td>
<td>ANT</td>
<td>PR: DPR. Senior standing with major in anthropology or equivalent. Major topics that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.</td>
</tr>
<tr>
<td>ANT 4142</td>
<td>Old World Archaeology - (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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 aspects of economic, social, political, and religious organization in the prehistoric Near East, Egypt, China, the Aegean, Europe and Africa.</td>
</tr>
<tr>
<td>ANT 4143</td>
<td>European Archaeology - (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 4147</td>
<td>Environmental Archaeology - (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology - (3) AS ANT</td>
<td>3</td>
<td>ANT</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 4158</td>
<td>Florida Archaeology - (4) AS ANT</td>
<td>4</td>
<td>ANT</td>
<td>PR: ANT 3101, DPR. Culture history and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indian) through the time of the Western town 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,</td>
</tr>
</tbody>
</table>
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 Protolithic development is described and analyzed. Cultures such as the Maya, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural geography and social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the Olmec, Maya, Mixtec, and Zapotec and the relationship between cultural ecology and the growth of civilization.

ANT 4172 Historical Archaeology - 6A(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 classwork.

ANT 4180 Laboratory Methods in Archaeology - (2-4) AS ANT
PR: ANT 3101, DPR. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, modules, etc. May be offered as part of a summer (or other semester) field session. May be combined with Florida Anthropology and Field Methods in Archaeology.

ANT 4181 Museum Methods - (4) AS ANT
PR: ANT 3101 or 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 curating.

ANT 4183C Archaeological Science - (4) AS ANT
PR: ANT 3101 or DPR. This course focuses on the application of scientific methods of analysis to archaeological materials including bone, stone, pottery, and metal. Methods include chemical, remote sensing, optical and SEM microscopy, elemental and isotopic analysis. Laboratory sections provide hands-on experience with a variety of archaeological materials and analytical methods.

ANT 4231 Folklore - 6A(3) AS ANT
PR: ANT 2410 or DPR. Focuses on cross-cultural techniques and methods regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

ANT 4241 Magic and Religion - 6A MW(3) AS ANT
PR: ANT 2410 or DPR. The cross-cultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious practitioners and symbols of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4285 Oral History - (3) AS ANT
PR: ANT 2410 or DPR. A survey of the history, methods, and current applications of oral history research, primarily in the anthropological study of culture, but with reference to allied disciplines. Students will become familiar with oral history through intensive analysis of selected case studies as well as guided field projects.

ANT 4302 Gender in Cross-Cultural Perspective - M-W(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 of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, ecocultura and worldviews.

ANT 4316 Ethnic Diversity in the United States - M-W(3) AS ANT
PR: ANT 2410 or DPR. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, ethnicities, and lifestyles, and issues 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 intercultural 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 4360 Visual Anthropology - C-U(3) AS ANT
PR: ANT 2410 or DPR. The use of photographic techniques for the cross-cultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the growth of "visual literacy" and the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4401 Exploring Cross-Cultural Diversity - M-W(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 and country as well as increasing globalization.

ANT 4432 The Individual and Culture - 6A MW(3) AS ANT
PR: ANT 2410 or DPR. The relationship between the individual and society is studied. Main themes include child-rearing practices, psychosomatic illness and curing. Discussion of theories and 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. The 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 formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the cross-cultural 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 analysis, 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. Biosocial 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. An examination of the relationships between language and culture in cross-cultural perspective. Explores the extent to which languages shape the world views of its speakers. Emphasis on the nature and degree of fit between linguistics and other cultural systems of knowledge.

ANT 4701 Applied Anthropology - (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. Discusses the development of applied anthropology, problems of economic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 Language and Social 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) program. 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 subspecialty 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 student with an opportunity to present, discuss and defend personal research and to explore in-depth topics in several areas of anthropology.

**ANT 4935 Rethinking Anthropology** - 6A(3) AS ANT
PR: Senior standing with major in anthropology. Through discussion of student approach and design papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

**ANT 4970 Honors Thesis** - (3) AS ANT
PR: Admission to the honors program, completion of the honors seminar and DPR. S/U only. 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.

**ARA 1120L Modern Arabic I Laboratory** - (1) AS WLE
CR: ARA 1120. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously.

**ARA 1121 Modern Arabic II** - (4) AS WLE
PR: ARA 1120 or its equivalent. CR: ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained.

**ARA 1121L Modern Arabic II Laboratory** - (1) AS WLE
CR: ARA 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

**ARA 2200 Modern Arabic III** - (4) AS WLE
PR: ARA 1121 or the equivalent. For language students who intend to attain basic proficiency.

**ARA 2201 Modern Arabic IV** - (4) AS WLE
PR: ARA 2200 or the equivalent. Continuation of ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

**ARA 4905 Directed Study** - (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion.

**ARA 4930 Selected Topics** - (1-5) AS WLE
Departmental approval required. Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion.

**ARC 2001 Introduction to Architecture** - HPFA (3) AR ARC
An introduction to the analysis and interpretation of the architecture and urban design of various cultures.

**ARC 2131 Introduction to Architectural Design and Graphics** - (4) AR ARC
An introduction to fundamental "critical thinking" and graphic communication skills in architecture.

**ARC 4784 The City** - 6W(3)AR ARC
This course examines the history of the city, as both idea and reality, with a particular focus on Western cities, and the 20th century. The course is open to undergraduates and students in the Graduate Architecture Program.

**ARC 4931 Selected Topics in Architecture and Community Design** - (2-4) AR ARC
Variable topics will be offered for pre-professional studies for students in the Liberal Studies Major/ALA Degree Program and for other undergraduates.

**ARC 5175 Computer Technology** - (3) AR ARC
PR: CC. Introduction to the application of computer technology in current architectural practice. The exploration of available software, programs, and computer services, including computer-aided design and drafting, information handling, specification writing, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), computer-aided design and drafting.

**ARC 5216 The Building Arts** - (3) AR ARC
PR: CC. Introduction to the man-made environment. The study and profession of architecture. The various facets of the process of shaping the built environment as it manifests itself in the different roles and specialization of the experts involved the process, and in the various academic courses that prepare the architect for practice.

**ARC 5236 Design Theory II** - (3) AR ARC
PR: DPR. Survey of major schools of thought in design theory, methods of design and problem-solving, and design research. The nature of the design activity and its recurring difficulties. The nature of problems. Traditional approaches to problem-solving and design in architecture; recent systematic as well as intuitive approaches to problem-solving based on developments in other fields. Scientific method; the systems approach and design.

**ARC 5361 Core Design I** - (9) AR ARC
PR: CC. First of two semester Design Fundamentals/Design Graphics sequence focusing on design abstractions and analysis of the factors influencing conceptual design. Emphasis is placed on ordering principles, pattern recognition and utilization, and figure-ground relationships. Development of craftsmanship, drawing as a means to design, and perceptual acuity are stressed.

**ARC 5362 Core Design II** - (9) AR ARC
PR: ARC 5361. CC. Second of a two semester Design Fundamentals/Design Graphics sequence focusing on synthesis of design concepts and application of ordering principles in architectural design. Emphasis is placed on developing an understanding and awareness of architectural elements and compositions. Students examine 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 5467, ARC 5587, ARC 5731. CC: ARC 5689. Study of the various phases of the building delivery and development process, and different approaches to ordering that process in a systematic fashion. The student will use one such systematic approach in the investigation and development of design solutions for a project of moderate scale and complexity. Students study built forms, grammatical relationships, scale and proportion, color, texture, contextual relationships, meaning/imagery, 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, time and environmental controls. Overview of building systems and components and their integration into architectural design projects.

**ARC 5587 Structures I** - (3) AR ARC
PR: Calculus, Physics, and ARC 5470, CC. Review of static and mechanical principles of materials. Analysis and evaluation for appropriate selection of structural systems and elements. Analysis and design of timber and steel structures, based on moment, shear, deflection and stress. An introduction to the concept of design, as they apply to wood and steel construction. Truss analysis, beam and column behavior.

**ARC 5588 Structures II** - (3) AR ARC
PR: ARC 5587, CC. Introduction to the concepts and theories of structural analysis and design of reinforced concrete systems.
and elements, including practical application in building construction, PoEocressing, post-tensioning, hybrid assemblies. Fundamentals of wind and seismic design. Fornwork, placement, and assembly techniques.

ARC 5689 Environmental Technology - (4) AR ARC
PR: Physical, ARH 3454; CC: Comprehensive review of mechanical, electrical, and plumbing systems for buildings. Energy utilization, heating and cooling, water delivery and waste removal, illumination, transportation systems, and acoustics. Lab exercises include computer simulations, illumination studies, thermal performance studies.

ARC 5731 Architectural History I - (3) AR ARC
Overview of the built environment from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Varieties of methodological approaches to the analysis of historical architecture. The focus will be on the built environment of Europe and the Mediterranean basin.

ARC 5732 Architectural History II - (3) AR ARC
Overview of the built environment from the Renaissance to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Study of various methodological approaches to the analysis of historic architecture, and development of student's own approach. The emphasis will be on the built environment of Europe and the Mediterranean basin.

ARC 5789 Modern Architecture History - (3) AR ARC
PR: CC, CI. Exploration of the philosophic, economic, architectural, social, historical and moral imperatives used by modern architects and their attempt to design the appropriate physical environment for a new social order. The course will investigate the writings and works of the proponents of the modern style of architecture and study the “New Architecture” as defined by those who broke tradition and expressed the new era using modern construction materials and techniques.

ARC 5793 History Abroad - (3) AR ARC
PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5920 Architectural Design Studio Abroad - (5) AR ARC
PR: CC. Summer study abroad. Location and description varies from year to year.

ARC 5931 Special Studies in Architecture - (1-5) AR ARC
PR: CC. Variable titles offered on topics of special interest.

ARE 3044 Experiential Basis of Artistic Mind - (3) 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 theory, 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. The 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 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/with unique community spaces, populations and new environments for learning in the arts.

ARE 4931 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
CP: ARE 3044 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 the major periods of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

ARH 2051 History of Visual Arts II - HP FA (3) VP ART
PR: DPR. A survey of World Art since 1300. Students are introduced to the major periods of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one.

ARH 3001 Introduction To Art - HP FA (4) VP ART
An expanded introductory treatment of basic concepts. For non-art majors.

ARH 3475C Contemporary Issues in Art - HP 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 relationships 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 comprehensive study of ancient Egyptian sculpture, painting, architecture, and other artistic media from the Bronze Age through the Hellenistic period.

ARH 4151 Roman Art - (4) VP ART
PR: ARH 2050 or EUH 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 420P Medieval Art - (4) VP ART
PR: DPR. A comprehensive study of early Christian, Byzantine and Medieval painting, sculpture, architecture and manuscript illumination.

ARH 4301 Renaissance Art - (4) VP ART
PR: DPR. A comprehensive study of Renaissance and Manierist painting, sculpture and architecture in Italy and Northern Europe.

ARH 4318 Venetian Art - (4) VP ART
PR: DPR. Major monuments of Venetian art are examined to elucidate the importance of Venice as the crossroads of cultural exchange between Islam, Byzantium, and the West, and the importance of Venetian art to the history of art and art criticism.

ARH 4320 Baroque and Rococo Art - (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 4330 Nineteenth Century Art - (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 - M W (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, symbols, and cultural 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 religions and practices, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

ARH 455 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 4871 History of Photography - 6A (4) VP ART PR: DPR Comprehensive overview of the history of photography from its invention to the present day with an emphasis on the impact of photography on the visual arts and popular culture.

ARH 4721 Critical Topics In The 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 4724 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 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. Themes will include art and national identity, orientalism, the avant-garde and the role of the museum in the evolution of modern art.

ARH 4930 Art History: Selected Topics - (2-4) VP ART Lecture/discussion course designed to offer areas of expertise of visiting scholars or specific interests of resident faculty.

ARH 4937 Seminar In The History Of Art History - (4) VP ART PR: Four courses in Art History at the 4000 level. DPR: An examination of the origins of Art History as a discipline and changing nature of Art History from Vasari to the present.

ARH 5451 Cultural and Intellectual History of Modern Art - (4) VP ART PR: CI. A course in which theories of modern artists and of critics and historians of Modernism are treated as a part of general cultural and intellectual history.

ARH 5795 Methods of Art History - (4) VP ART Must be taken during the student's first two semesters in the M.A. program. This course introduces students to various methods which art historians have used to analyze the form and content of individual works of art, and to various modes of historical explanation.

ARH 5797 Gallery and Museum Internship - (2-6) VP ART Students are eligible after completing one semester in the program. S/U only. Registration by contract only. By working in Bay Area museums or galleries, students will become familiar with various museological operations. Internships vary depending on the work at hand in particular museums, but possible areas of work include registration, installation, conversation, writing of grants, or museum education.

ARH 5633 The Atelier, Its Management and History - (3) VP ART This course will study the principles of collections care and management and to the intellectual and practical tasks of preparing an exhibition. Sessions will include art handling, registration and record keeping, writing works of art and conservation standards for collections storage and exhibition, and the professional responsibilities of the curator.

ARH 5835 Collection and Exhibition Management - (3) VP ART This course will provide an introduction to the basic principles of collections care and management and to the intellectual and practical tasks of preparing an exhibition. Sessions will include art handling, registration and record keeping, writing works of art and conservation standards for collections storage and exhibition, and the professional responsibilities of the curator.

ARH 5839 Problems in Museum Studies - (3) VP ART This course takes a broad view of the museum profession and develop critical thinking skills required to solve problems in the rapidly changing technology of museums. Students will develop analytical and research skills as they meet with and discuss the job descriptions of curators, educators, collection managers, marketing professionals, exhibit designers, registrars, and fundraisers.

ART 2222 Beginning Electronic Media - (3) VP ART This course considers the history of printmaking and other forms of expression. The course is open to majors and non-majors and will focus on the personal in images, We - images of cultural ideas, and They - images produced through collaboration.

ART 2223 Beginning Electronic Design - (3) VP ART This course is designed as an introduction to the medium of printmaking. It concentrates on the technical production of various print media including: intaglio, relief, monoprint and serigraphy (screen printing).

ART 2500C Beginning Sculpture - (3) 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.

ART 4724 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.

ART 5201C Fabrications I - FA (3) VP ART An introduction to basic visual art studio concepts. Topics include the nature of the art, the visual language of its form, modes of representation, and the visual art theory. Studio problems are supplemented by lecture and discussion. Emphasis on images of implied time and space.

ART 5202C Fabrications II - FA (3) VP ART PR: ART 2221C (for majors). No prerequisites for non-majors. This course will synthesize and expand on the groundwork laid in Fabrications I, which is pre-requisite for majors, but not for non-majors. Fabrications II will focus on the significance of meaning and how it is constructed by the student. Specific topics: The personal in images, We - images of cultural ideas, and They - images produced through collaboration.

ART 2510C Beginning Painting - (3) VP ART An introductory exploration of the issues and practices involved in the creation of experimental computer art. The course focuses on an interdisciplinary approach to electronic media. Available to majors and non-majors.

ART 2400C Beginning Printmaking - (3) VP ART This course is designed as an introduction to the medium of printmaking. It concentrates on the technical production of various print media including: intaglio, relief, monoprint and serigraphy (screen printing).

ART 2301C Beginning Drawing - (3) VP ART Projects exploring the methods, media, and concepts of drawing.

ART 2550C Beginning Ceramics - (3) VP ART Projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

ART 2701C Basic Sculpture - (3) VP ART An introductory course in sculpture with an emphasis on the development of individual concepts and the exploration of materials, tools and processes.

ART 3400C Fabrications II - FA (3) VP ART Projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

ART 3500C Beginning Ceramics - (3) 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.

ART 3600C Beginning Ceramics - (3) 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.

ART 3800C Beginning Ceramics - (3) 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.

ART 3900C Beginning Ceramics - (3) 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.

ART 4000C Beginning Ceramics - (3) 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.

ART 4100C Beginning Ceramics - (3) 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.

ART 4200C Beginning Ceramics - (3) 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.

ART 4300C Beginning Ceramics - (3) 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.

ART 4400C Beginning Ceramics - (3) 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.

ART 4500C Beginning Ceramics - (3) 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.

ART 4600C Beginning Ceramics - (3) 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.

ART 4700C Beginning Ceramics - (3) 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.

ART 4800C Beginning Ceramics - (3) 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.

ART 4900C Beginning Ceramics - (3) 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.

ART 5000C Beginning Ceramics - (3) 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.

ART 5100C Beginning Ceramics - (3) 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.

ART 5200C Beginning Ceramics - (3) 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.

ART 5300C Beginning Ceramics - (3) 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.

ART 5400C Beginning Ceramics - (3) 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.

ART 5500C Beginning Ceramics - (3) 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.

ART 5600C Beginning Ceramics - (3) 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.

ART 5700C Beginning Ceramics - (3) 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.

ART 5800C Beginning Ceramics - (3) 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.

ART 5900C Beginning Ceramics - (3) 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.
installation and performance. A critical and cultural awareness of contemporary issues and media in sculpture will be developed through studio projects assigned readings, discussions, critiques and demonstrations. The course may not be repeated for credit.

**ART 4970C Senior Thesis - (2) VP ART**
PR: DPR, CI. The creation of a coherent body of advanced level artwork that is supported by a written document describing purposes 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 525C Ceramics - (4) VP ART**

**ART 530C Drawing - (4) VP ART**

**ART 542C Lithography - (4) VP ART**
PR: ART 4402C, CI, DPR. Advanced problems in various techniques. Emphasis on individual creative expression. Repeatable.

**ART 5472C Intaglio - (4) VP ART**
PR: ART 4402C, CI, DPR. Investigations into more complex intaglio processes including photogravure and color printing procedures. Emphasis on personal conceptual development in graphic media. Repeatable.

**ART 553C Painting - (4) VP ART**

**ART 5730C Sculpture - (4) VP ART**

**ART 5910 Research - (1-4) VP ART**
PR: CI, DPR. Registration by contract only. Repeatable.

**ART 5936 Studio Techniques: Selected Projects - (2) VP ART**
PR: DPR. Concentration in specialized media or processes. Repeatable.

**ASH 3404 Modern China - SS HP AF (4) AS HTY**
Political, economic, and social history of China from the time of the first major Western contacts (17th-18th Centuries) through the consolidation of socialism in the late 1950's, and the Great Leap Forward.

**ASN 3012 Japan Today - SS (3) AS INT**
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

**ASN 3014 China Today - AF (3) AS INT**
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

**ASN 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.

**AST 2005 Astronomy of the Solar System - NS(4) ASAST**
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.

**AST 2006 Stellar Astronomy and Cosmology - NS(4) ASAST**
An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics 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.
BME 5742 Pharmaceutical Engineering - (2) EN ECH
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 observations.

BCH 5105 Biochemistry Laboratory Rotations - (1-3) AS CHM
A course in which first year graduate students rotate through laboratory sessions and stability, elements of perturbation theory. Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

BCH 5034 Biotechnology Core Course - (3) AS CHM
PR: Either CHM 2211, CHM 2211L and CHM 3400 or CHM 4410 or graduate standing. A one-semester course in biotechnology for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates.

BCH 5035 Biotechnology Laboratory Rotations - (1-3) AS CHM
PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipient, regulatory issues, clinical studies, and good manufacturing practices.

BME 5910 Directed Research in Bioengineering - (1-3) EN ECH
PR: Directed research in an area of biomedical engineering or engineering biotechnology.

BMS 4402 Principles Of Human Pharmacology - (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.

BMS 5190 Anatomy by Diagnostic Testing - (1-20) ME MSG
Describing normal human anatomy in three dimensions (frontal, coronal, and axial), using contrast medical and imaging modalities available for diagnostic radiologists. Course will be oriented to organ systems describing anatomy of the organ and its vasculature and topographic anatomy. It will include didactic lecture series and a standing display of images for self-studies. Plain radiographs, contrast studies of gastrointestinal and urinary tracts, arthrograms, computed tomograms, magnetic resonance, and ultrasound scans of body organs will be displayed.

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

BOT 3560C Medical Botany - (3) AS BIO
PR: BSC 2010, BSC 2011, BSC 2111L. 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. Knowledge and classification of native and naturalized flowering plants of Florida including historical, climatic and floristic aspects of plant communities. Conducted largely in the field.

BOT 4223C Plant Anatomy - (3) AS BIO
PR: BOT 3373C. Comparative studies of tissue and organ systems of fossil and present-day vascular plants. Functional and phylogenetic aspects stressed. Lec.-lab.

BOT 4343C Mycology - (3) AS BIO
PR: BOT 3373C or MCB 3020C. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec.-lab.

BOT 4503 Plant Physiology - (3) AS BIO
PR: BOT 3373C, PCB 3023, PCB 3043, or PCB 3063. Fundamental activities of plants; absorption, translocation, transpiration, metabolism, growth, and related phenomena. CP: BOT 4503. Laboratory portion of Plant Physiology.

BOT 4810C Economic Botany - (3) AS BIO
PR: BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, arts, etc. A one-semester course offered in alternate years.

BOT 5185C Marine Botany - (4) AS BIO
PR: BOT 3373C, PCB 3043 or CI. A field course in marine plants with emphasis on ecology and functional morphology. Field work will stress the ecological aspects of plants in a subtropical marine environment in Florida. Lec/Lab.

BSC 1005 Principles of Biology For Non-Majors - (3) AS BIO
No credit for Biology majors. Lectures and demonstrations selected. No credit for Biology majors. Lectures and demonstrations selected. Bioengineering principles, usually taught by television.

BSC 2010 Biology I - Cellular Processes - (3) AS BIO
CP: BSC 2010L and CHM 2045. The course is designed for majors and has a laboratory associated with the lecture. An analysis of biological systems at the cellular and subcellular levels: cell structure and function, respiration, photosynthesis, mitosis and meiosis, genetics and gene expression.

BSC 2010L Biology I Cellular Processes Laboratory - (1) AS BIO
CP: BSC 2010L. Laboratory portion of Biology I Cellular Processes relating to cellular and subcellular structure and function. Mitosis, meiosis, and Mendelian genetics will be stressed.

BSC 2011 Biology II - Diversity - (3) AS BIO

BSC 2011L Biology II Diversity Laboratory - (1) AS BIO
CR: BSC 2011. Laboratory portion of Biology II Diversity relating to organismal structure and function. Microscopy, as well as, plant and animal development will be stressed.

BSC 2022 Biology of Aging - (3) AS BIO
An introduction to the basic biology of aging. Emphasis will be placed on understanding basic principles of biology relevant to time and the aging process which begins at birth. May be taken by majors for free elective credit.
BSC 2025 Food: Personal and Global Perspectives - NS(3) AS BIO
May be taken by biology majors for free elective credit. The application of basic biological principles to human nutritional problems; to learn how various cultures achieve adequate nutrition and how environmental changes impact both personal and global nutrition.

BSC 2030 The Plant: Environmental Sciences - NS(3) AS BIO
Credit will be given for BSC 2030 or BSC 2050, but not both. An introduction to environmental sciences using mass communications and independent study. Emphasis will be placed on understanding basic principles of ecology relevant to problems and conservation of the earth’s environment. May be taken by majors for free elective credit.

BSC 2035 Sex and Today’s World - NS(3) AS BIO
The application of basic biological principles to the female and male sexual behavior and reproduction; current social problems are treated from a biological perspective. May be taken by majors for free elective credit.

BSC 2050 Environment - NS(3) AS BIO
Credit will be given for BSC 2030 or BSC 2050, but not both. The application of basic scientific principles to global environmental problems; how human activities impact the environment. May be taken by majors for free elective credit.

BSC 2093 Human Anatomy and Physiology I - (3) AS BIO
PR: BSC 2010, BSC 2010L and BSC 2111, BSC 2111L. This course is the first half of a two-semester series introducing the structure and function of the human body's major organ systems. Cellular and cardiac physiology, nervous, endocrine, skeletal, and muscular systems will be covered. May be taken by Departmental majors for free elective credit only.

BSC 2094 Anatomy & Physiology II - (3) AS BIO
PR: BSC 2093. This course is the second half of a two-semester series introducing the structure and function of the human body's major organ systems. The following body systems will be covered: circulatory, lymphatic, immune, respiratory, digestive, urinary, and reproductive. May be taken by Departmental majors for free elective credit only.

BSC 2932 Selected Topics in Biology - (1-4) AS BIO
PR: BSC 2010, BSC 2010L and BSC 2111, BSC 2111L. A survey of the marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is placed on shallow water Florida environments.

BSC 4057 Environmental Issues - M/W(3) AS BIO
Not for major's credit. Study of biological, economic, ethical, legal, political and social issues relating to current environmental problems.

BSC 4313C Advanced Marine Biology - (4) AS BIO
PR: BSC 3263C A detailed analysis of marine environments in the Tampa Bay and other coastal areas. Field and laboratory work will provide direct experience with the system.

BSC 4402L Biological Research Methods - (3) AS BIO
PR: BSC 4402L and either PCB 4931 or PCB 4932. Enrollment is limited to Biology Department Honors students. S/U only. A course based on independent research carried out by the student.

BSC 5931 Selected Topics in Biology - (1-3) AS BIO
PR: CI. A course to prepare Biology Department Honors students. S/U only. A thesis based on independent research in the field of Marine Biology. Background information presented and assigned readings will vary according to instructor.

BSC 4970 Biology Honors Thesis - (1-3) AS BIO
PR: BSC 4402L and either PCB 4931 or PCB 4932. Enrollment is limited to Biology Department Honors students. S/U only. A thesis based on independent research carried out by the student.

BTE 4940 Special Teaching Methods: Business Education - (4) ED EDV
PR: Successful completion of BE competencies. Methods, techniques, and materials for skill development.

BTE 4999 Directed Study: Business Education - (1-3) ED EDV
PR: Senior standing. To extend competency in teaching field.

BTE 4936 Senior Seminar in Business and Office Education - (2) ED EDV
PR: Senior standing; CR: BTE 4940. Synthesis of teacher candidate's courses in complete college program.

BTE 4940 Internship: Business Education - (1-12) ED EDV
CR: BTE 4936. S/U only. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours.

BTE 5048 Field-Based Seminar in Business Education - (3) ED EDV
S/U only. Supervised field experience and orientation to broad field education. Specifically designed to be preparatory for the Internship.

BTE 5171 Curriculum Construction: Business Education - (3) ED EDV
Curriculum scope, the process of planning and organizing instructional programs with emphasis on task analysis and process evaluation.

BUL 3320 Law And Business I - (3) BA GBA
This course covers the nature of legal and societal institutions and environments, and major aspects of public, private, UCC and related business law.

BUL 3321 Law And Business II - (3) BA GBA
PR: BUL 3320. Legal problems in marketing of goods, nature of property, sales of personal property, securing of credit granted, nature and use of negotiable instruments.

BUL 5332 Law and the Accountant - (3) BA GBA
PR: BUL 3320 or CI. A comprehensive study of commercial law as it affects the practice of accounting.

CAP 5400 Digital Image Processing - (3) EN ESB
PR: EEL 4851C or GS. Image formation, sources of image degradation, image enhancement techniques, edge detection operators and threshold selection, low-level processing algorithms for vision, image data compression.

CAP 5625 Introduction to Artificial Intelligence - (3) EN ESB
PR: EEL 4851C or GS. Basic concepts, tools, and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, and problem solving strategies.

CAP 5682 Expert And Intelligent Systems - (3) EN ESB
PR: EEL 4851C or GS. Basic concepts, techniques and tools for the design and implementation of expert and intelligent systems. Knowledge representation, inference methods, knowledge acquisition methods, and some advanced concepts. Tools to facilitate construction of expert and intelligent systems.

CBH 4004 Comparative Psychology - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. The study of the evolution of behavior, similarities, and differences in capacities for environmental adjustment and for behavioral organization among important types of living beings.

CCE 4034 Construction Management - (3) EN EGX
PR: EGN 3613C. Fundamentals of construction management. Topics include general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.

CCE 5035 Construction Management & Planning - (3) EN EGX
PR: EGN 3613C. Fundamentals of construction management. Topics include general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.
CCJ 3003 Crime and Justice in America - SS (4) AS CJP
May be taken by both majors and non-majors for credit. This course is a non-technical survey of the nature of crime in the United States and the ways in which our society seeks to deal with criminal offenders and victims of crime.

CCJ 3024 Criminal Justice and the Criminal Justice System - SS (3) AS CJP
An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also includes brief coverage of most reported crimes.

CCJ 3610 Theories of Criminal Behavior - (3) AS CJP
PR: Junior standing, CCJ 3024 or CJE 4114. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the regulation of criminal behavior including crimes against the person, property crimes, violent crimes, economic/white collar offense, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3621 Patterns of Criminal Behavior - (3) AS CJP
PR: Junior standing. Reviews the nature and extent of the crime problem. This course will concentrate on major patterns of offender behavior including crimes against the person, property crimes, violent crimes, economic/white collar offense, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3701 Research Methods in Criminal Justice I - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CJP. S/U. Introduces the student to the fundamentals of knowledge-generating processes in criminal justice.

CCJ 4450 Criminal Justice Administration - (3) AS CJP
PR: Junior standing, CJE 4114 or CJT 4101 or CCJ 3621. This course is designed to provide an in-depth examination of both the practical and theoretical aspects of the administration of criminal justice agencies. The major focus will be on law enforcement and correctional agencies.

CCJ 4604 Abnormal Behavior and Criminality - (3) AS CJP
PR: Junior standing, CCJ 3610 or CJP. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

CCJ 4700 Statistical Research Methods in Criminal Justice II - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CJP. Beginning with the scientific method, the tools commonly used to analyze criminal justice data will be emphasized. Recommended for students who intend to continue their education beyond the B.A. Required of students attending the MA program in CCJ at USF.

CCJ 4900 Directed Readings - (1-3) AS CJP
PR: Junior standing, CCJ 3610 or CJP. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

CDA 5406 Modeling Computer System Performance II - (3) EN ESB
PR: CDA 3201. Principles of the design of computer microprocessor-based designs.

CDA 5405 Modeling Computer System Performance I - (3) EN ESB
PR: PHY 2049 or PHY 2054 and DPR. Should be used in conjunction with CDA 5406. queuing theory for evaluation of computer system performance.

CDA 4203 Computer System Design - (3) EN ESB
PR: CDA 3201, CDA 3201L. Design Methods, Top-Down design, Designing Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 4203L Computer System Design Lab - (1) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer microprocessor-based designs.

CDA 4100 Computer Organization and Architecture - (3) EN ESB
PR: PHY 2049 or PHY 2054 and DPR. Introduction to computer hardware, logic elements and Boolean algebra, computer arithmetic, the central processing unit, assembly language programming, input/output, and memory.

CDA 3201 Computer Organization and Design - (3) EN ESB
PR: PHY 2049 or PHY 2054 and DPR. Introduction to computer hardware, logic elements and Boolean algebra, computer arithmetic, the central processing unit, assembly language programming, input/output, and memory.

CDA 3201 Computer Organization Design - (3) EN ESB
PR: CDA 3201, CDA 3201L. Design Methods, Top-Down design, Designing Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 3203 Computer System Design - (3) EN ESB
PR: CDA 3201, CDA 3201L. Memory and I/O. Hardware support of operation system functions.

CDA 3203 Computer System Design - (3) EN ESB
PR: CDA 3201, CDA 3201L. Design Methods, Top-Down design, Designing Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 3203 Computer System Design - (3) EN ESB
PR: CDA 3201, CDA 3201L. Design Methods, Top-Down design, Designing Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 3205 Computer Architecture - (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.

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 ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.

CEG 4011 Geotechnical Engineering I - (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.

CEG 4011 Geotechnical Engineering I - (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.

CEG 4011 Geotechnical Engineering I - (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.

CEG 4011 Geotechnical Engineering I - (3) EN ESB
PR: CDA 3201, CDA 3201L. Principles of the design of computer systems, processors, memories, and switches. Consideration of the register transfer representation of a computer, ALUs and their implementation, The control unit, Memory and I/O. Hardware support of operation system functions.
to dynamic loads. Computer applications to soil mechanics will be covered.

**CEG 4801 Geotechnical Design - (2) EN EGX**
Design of geotechnical systems including bases, foundations, embankments, and dams.

**CEG 4850 Capstone Geotechnical/Transportation Design - M/W(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 streets, open highway intersection and site design involving functional design, facility sizing, complete alignments and coordination, plan preparation, site layout and design, quantity summarization, bid tab planning and specification preparation.

**CEN 5115 Foundation Engineering - (3) EN EGX**
PR: CEG 4011 or CI. Design of shallow foundations, cantilevered and anchored retaining walls, piling, drilled piers and special foundations. Computer applications to geotechnical engineering are covered.

**CEN 5205 Laboratory Testing for Geotechnical Engineers - (3) EN EGX**
PR: CEG 4011 or CI. Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and applications to design.

**CEN 3722 Human Computer Interfaces for Information Technology - (3) US EIT**
Human-Computer Interface is the study of people, computer technology and the ways these influence each other. The basic foundations of HCI in terms of psychology, computer systems and their integration into design practice are discussed in the course.

**CEN 4012 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 4020 Software Engineering - (3) EN ESB**
PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Student will participate in a software development team.

**CEN 4031 Software Engineering Concepts for Information Technology - (3) US EIT**
PR: EEL 4854 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 4721 User Interface Design - (3) EN ESB**
PR: CEG 3104. An examination of factors influencing the usability of a computer system. Topics include input and output devices, graphic and multi-media interfaces, formats for interaction/communication between computer and user, and the evaluation of usability.

**CES 3102 Structures I - (3) EN EGX**
PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Moment area theorems; influence lines; introduction to steel design.

**CES 4000 Structures and The Urban Environment for Non-Engineers - 6A MW(3) EN EGX**
This course reviews the best works of structural engineering to indicate how current technology and social context affects structural form, to familiarize students with relevant structural principles, and to introduce the concept of structural art.

**CES 4141 Finite Element Analysis I - (3) EN EGX**

**CES 4561 Computer Aided Structural Design - (3) EN EGX**

**CES 4605 Concepts of Steel Design - (3) EN EGX**
PR: CES 3102. Introduction to steel design and AISC Manual of Steel Construction: Design of tension members; compression members; beams; beam columns; and bolted, welded, and riveted connections.

**CES 4618 Structural Design - Steel - (2) EN EGX**
Design of structures made of steel.
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 hardware, software, and programming languages, presents a broad overview of data processing concepts, problems and solutions 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 and the use of software packages for business analysis.

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 problem solving.

CGS 5765 Introduction to Unix and C - (3) EN ESB

CHI 1120 Modern Chinese I - (4) AS CHM
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 CHM
CR: CHI 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

CHI 1121 Modern Chinese II - (4) AS CHM
CR: CHI 1121L. Mandarin. PR: CHI 1120 or equivalent. A continuation of CHI 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

CHI 1121L Modern Chinese II Laboratory - (1) AS CHM
CR: CHI 1121. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

CHI 2200 Modern Chinese III - (4) AS CHM
PR: CHI 1120 or the equivalent. For language students who intend to attain basic proficiency.

CHI 2200L Modern Chinese III Laboratory - (1) AS CHM
PR: CHI 2200 or the equivalent. Continuation of CHI 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

CHI 4905 Directed Study - (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion.

CHM 2021 Chemistry For Today - NS (4) AS CHM
PR: High school chemistry and high school mathematics including algebra are recommended. No credit for science majors. An introduction to the principles and applications of modern chemistry including the properties of matter, structural view of matter and reactions, quantitative relations in chemical reactions, technological aspects and societal impact.

CHM 2030 Introduction to General, Organic and Biochemistry I - (4) AS CHM
No credit for science majors. Fundamental concepts of general, organic, and biological chemistry.

CHM 2040 Introductory General Chemistry - NS (4) AS CHM
PR: High school chemistry and high school mathematics including algebra are recommended. An introduction to the principles and applications of modern chemistry including the properties of matter, structural view of matter and reactions, quantitative relations in chemical reactions, and chemical reactions, technological aspects and societal impact.

CHM 2045 General Chemistry I - NS (3) AS CHM
PR: One year of high school chemistry and two years of high school mathematics including algebra; or, completion of CHM 2040 with grade of C or better. Principles and applications of chemistry including properties of substances and reactions, thermochromy, atomic-molecular structure and bonding, periodic properties of elements and compounds.

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. Lec.-dis.
CHM 411 Physical Chemistry II - (3) AS CHM
PR: CHM 3120C, and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Introduction to quantum mechanics and molecular spectroscopy. Lec.

CHM 5226 Intermediate Organic Chemistry I - (3) AS CHM

CHM 4611 Advanced Inorganic Chemistry - (3) AS CHM
PR: CHM 3610C or CI. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.

CHM 5226 Independent Study - (1-3) AS CHM
PR: CI. SU only. Specialized independent study determined by the student's needs and interests. The written contract required by the EIT Curriculum 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 470 Undergraduate Research - (1-3) AS CHM
PR: CI. SU 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.

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 5426 Polymer Chemistry - (3) AS CHM
PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. Fundamentals of polymer synthesis, structure, properties, and characterization.

CHM 5221 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 5321 Selected Topics in Chemistry - (1-3) AS CHM
PR: CI. The following courses are representative of those that are taught under this title: Natural Products, Stereochemistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Heterocyclic Chemistry, etc.

CHS 4300 Fundamentals of Clinical Chemistry - (3) AS CHM
PR: BCH 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: CHS 3023 and CI, CHM 3120C. CHS 4300 must be taken concurrently. Laboratory experience in some of the most important clinical determinations. CHS 4300 must be taken concurrently. Lec.-Lab.

CIS 4250 Ethical Issues and Professional Conduct - 6A MW(3) EN ESB
PR: Senior standing in the Department of Computer Science and Engineering. An introduction to ethical issues arising in the computer sciences, through written analysis and oral presentations of technical situations which involve ethical conflicts.

CIS 4253 Ethical Issues for Information Technology - (3) US EIT
Human values and laws as applied to the "gray area" of technological phenomena. The goal is to develop an understanding of what technology induces to our culture and how we, as individuals, envision the future of society.

CIS 4361 Information Technology Security Management - (3) US EIT
PR: Junior standing or above. An overview of information security management techniques and concerns is presented. Topics include: Access control systems, telecommunications and network security, security management practices, application and system development security, cryptography, disaster recovery planning, legal and ethical issues, and physical security.

CIS 4412 Information Technology Resource Management - (3) US EIT
PR: Junior standing or above. An overview of the information resource management function, with emphasis on information systems management, is covered. Topics include planning, organizing and controlling user services, managing information system development process, and the fundamentals of EDP auditing.

CIS 4703 Database Systems for Information Technology - (3) US EIT
CR: EEL 4854 or CI. Fundamentals of database management systems are presented, covering relational, CODASYL, network, hierarchical, and object-oriented models. Topics include basic database concepts, angles of efficiency as well as actual implementations of such systems.

CIS 4900 Independent Study In Computer Science - (1-5) EN ESB
PR: EEL 4851C or CI. Specialized independent study determined by the needs and interests of the student.

CIS 4910 Computer Science Project - (2) 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 I - (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 subdomain 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.

CJC 4010 American Correctional Systems - (3) AS CJP
PR: Junior standing, CJE 3610 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

CJC 4015 Alternatives to Incarceration - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment approaches.

CJC 4310 Correctional Administration - (3) AS CJP
PR: Junior standing, CCJ 3024 or CI. The course provides students with an introduction to issues in correctional administration in both institutional and community corrections.

CJC 4410 Intervention Techniques and Strategies - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.

CJE 4010 Juvenile Justice System - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Provides coverage of the juvenile and family courts, their clienteles, and the complex of human services agencies and facilities that contribute to efforts at juvenile correctional intervention.

CJE 4044 Police and Juvenile Delinquency - (3) AS CJP
PR: Junior standing, CCJ 3024 or CI. Focuses on the unique aspects of law enforcement interaction with juveniles and their families. Issues which emerge when working with multi-cultural populations will be discussed. Police efforts at early detection, intervention, and diversion. Interaction with status offenders and children in-need-of-assistance will be a topic of interest.

CJE 4114 American Law Enforcement Systems - (3) AS CJP
PR: Junior standing, CCJ 3024 or CCJ 3610 or CI. Provides a comprehensive examination of the American law enforcement system at the federal, state, and local levels and an assessment of career opportunities within the community.

CJE 4144 Private Security Systems - (3) AS CJP
PR: Junior standing plus CJE 4114, CCJ 3024, CCJ 3610, CCJ 3621 or CI. Examines some of the principal methods and techniques currently used to reduce or prevent losses due to theft and casualty.

CJE 4210 Developmental Aspects of Juvenile Delinquency - (3) AS CJP
PR: CCJ 3610 and CJE 4101 or CI. Provides the student with a developmental/life course perspective of the processes, events, and factors which occur during childhood and adolescence and cause juvenile delinquency. This course focuses on the conditions which are critical in shaping the delinquent's behavior during their formative years.

CJE 4211 Juvenile Substance Abuse - (3) AS CJP
PR: Junior standing, CJE 4101 or CI. Focuses on youth and drugs. It will cover such topics as the rates and patterns of the use of different drugs by youths with varying sociodemographic characteristics, the context and effects of use of various drugs, the drugs-crime connection, prevention, early intervention and treatment efforts, and drug use policy.

CJE 4564 Juvenile Correctional Alternatives - (3) AS CJP
PR: Junior standing, CJE 4101 or CI. Focuses on juvenile correctional responsive to the use of secure facilities. How the system attempts to handle status offenders.
and children in need of supervision will be covered. Diversion,
detention, probation, and community-based non-secure facilities
will be discussed.

CJL 3110 Substantive Criminal Law - (3) AS CJP
PR: Junior standing. CCJ 3024 or CI. Examines the
historical bases of the American criminal law system, the
substantive elements of the crime, and court procedures.

CCL 4074 Correctional Law - (3) AS CJP
This course provides an introduction to legal issues in the
areas of corrections, with an emphasis on civil and criminal
liability for correctional staff and administrators and on convict's
rights.

CJL 4115 Environmental Law and Crime - (3) AS CJP
PR: Junior standing, CCJ 3024 or CI. Examines the
constitutional issues and rules that are applied and enforced by
the courts while processing criminal cases.

CJL 4160 Criminal Rights and Procedures - (3) AS CJP
PR: Junior standing, CCJ 3024 or CI. Emphasizes the
constitutional issues and rules that are applied and enforced.

CLA 2041 Wordpower from Latin and Greek - (3) AS WLE
Major emphasis on study of Greek and Latin stems (bases),
prefixes, and suffixes as a means of building English vocabulary.
Examination of Greek and Latin-based terminology, its adoption
into English and current usage. Course not repeatable/restricted.

CLA 3003 Greek Civilization - (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 3022 Roman Civilization - (3) AS WLE
Study of Ancient Roman Civilization with emphasis on social
customs, political institutions, and daily life.

CLA 4930 Selected Topics - (1-4) AS WLE
Course content depends on student demand and instructor’s
interest and may range over the whole field of ancient languages,
literatures and civilizations. Offerings on a semi-regular basis
include Tongues of the Bible and the Bible as History.

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, and Aristophanes. Some attention is given to
the social and political background of the works. All readings are
in English.

CLT 3102 Roman Literature in Translation - 6A MW(3) AS WLE
Reading and discussion of major works in Roman literature.
Special emphasis is placed on the Aeneid, comedy and satire.
Some attention is given to the political background of the works.
All readings are in English.

CLT 3370 Classical Mythology - HP (3) AS WLE
Study of Greek and Roman myths embodied in classical literature
and of their impact on Western civilization. All readings are in
English.

COM 2000 Introduction to Communication - SS(3) AS SPE
Introduction to the 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; non-majors, COM 3122 or COM 3110 or CI. A survey of communication concepts which impact
upon organizational effectiveness.

COM 3122 Interview Communication - (3) AS SPE
Students must sign up for a one-hour lab for registering for day-time
mass lecture class. A study of communication theory relative to
interview situations with emphasis on the employment interview,
appraisal interview, and persuasive interview. Student must sign
up for seminar one semester prior to seminar offering.

COM 3122L Interview Communication Lab - (0) AS SPE
Students must take this course in conjunction with the mass
lecture COM 3122 offered during day. Interview laboratory for
practice and individual consultation. Open to majors and non-
majors.

COM 4020 Communicating Illness, Grief, and Loss - 6A(3) AS SPE
PR: Junior/Senior standing or CI. Focus on stories of illness,
grief, and loss to make sense of these experiences; to understand
the cultural and rhetorical influences on how stories are told; and
to explore the context of everyday life, romantic relationships,
families, institutions, and culture in which they occur.

COM 4022 Health Communication - (3) AS SPE
PR: GS. Application of communication theory and research to
the health context including provider-patient communication,
health information campaigns, and health beliefs and behavior.

COM 4030 Women and Communication - 6A MW(3) AS SPE
Examines women's patterns of communication in a variety of
cultures. Also offered under Women's Studies.

COM 4124 Communication and Organizational Change - (3) AS SPE
PR: Communication major, minimum GPA 3.0, 75 hours
completed, and CI. Seminar provides students with an opportunity
to put into practice concepts and skills acquired in their study of
communication. Also offered under Women's Studies.

COM 4124L Communication and Organizational Change Lab - (0) AS SPE
PR: Communication major, minimum GPA 3.0, 75 hours
completed, 15 hours of core requirements and 9 elective hours
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**Notes:**
- **CPO 4034** Selected Topics in Comparative Politics: (3) AS POL.
- **CRW 3111** Form and Technique of Poetry: (3) AS ENG.
- **CRW 3312** Poetry I: (3) AS ENG.
- **CRW 3311** Form and Technique of Poetry: (3) AS ENG.
- **CRW 3321** Poetry II: (3) AS ENG.
- **CRW 3322** Poetry III: (3) AS ENG.
- **CRW 4930** Selected Topics in Creative Writing: (3) AS ENG.
- **CRW 4103** Water Resources Engineering: (3) EN EGX.
- **CRW 4200** Hydraulics: (4) EN EGX.
- **CRW 4810** Hydraulic Design: (2) EN EGX.
- **DAA 2100** Fundamentals Of Modern Dance: (2) VP DAN.
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<td>DAE 4936</td>
<td>Senior Seminar in Dance Education - (2) VP DAN</td>
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**Course Descriptions:**

- **DAA 2015 Modern Dance I - (2) VP DAN**
  - PR: Admission by placement audition. A studio class for students with a serious interest in concert modern dance. Further emphasis on correct alignment, development of strength, rhythmic and dynamic activity as well as spatial and locomotor patterns that underlie the work in more advanced contemporary dance. May be repeated.

- **DAA 2280 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.

- **DAA 2205 Ballet I - (2) VP DAN**
  - PR: Admission by placement audition. A studio class for students with a serious interest in Ballet. Further 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.

- **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.

- **DAA 2570 Jazz Theatre Dance - (3) VP DAN**
  - PR: Admission by placement audition and DAA 2504. Further emphasis on projection, phrasing, rhythmic patterns and dynamics. Solo and ensemble studies leading to performance.

- **DAA 2760 Tai Chi - (2) VP DAN**
  - The course is an introduction to the study of Tai Chi focusing on the philosophy and postures of this martial art. May be repeated.

- **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.

- **DAA 3018 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.

- **DAA 3019 Modern Dance III - (2-3) VP DAN**
  - PR: Admission by placement audition. Continuation of DAA 3018. 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.

- **DAA 3029 Ballet III - (2-3) VP DAN**
  - PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of simple step combinations in center work. The use of ballet vocabulary (French terms). Material is covered almost totally as practical work in class with a few outside projects. Concert and performance attendance required. May be repeated.

- **DAA 3294 Ballet Variations - (1) VP DAN**
  - PR: DAA 3209. This course provides instruction in various forms of ballet. Semester courses include: Pointe technique, Men's Cleats, Character Dance, Spanish Dance and Partnering. BFA Ballet concentration students are required to complete two semester hours. May be repeated.

- **DAA 3394 World Dance Topics - (1) VP DAN**
  - Students will explore the 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.

- **DAA 3614 Choreography I - (2) VP DAN**
  - PR: DAN 3615, CR: DAA 2105 or above or CI. BFA students must be concurrently enrolled in Modern III/IV and Ballet III. Study and execution of basic principles of composition. Preparation of studies in theme and variations, breath phrases and metric phrases.

- **DAA 3615 Choreography II - (2) VP DAN**
  - PR: DAA 3614. Preparation of studies in rhythm, dynamics, form and motivation.

- **DAA 3624 Dance Improvisation - (2) VP DAN**
  - For majors and non-majors. Exploring various methods of spontaneously creating dance movement in individual and group situations. Structured and unstructured approaches will be explored. May be repeated.

- **DAA 3654 Repertory - (1) VP DAN**
  - PR: Admission by audition. The development and performance of solo and/or group dance.

- **DAA 3686 Performance - (1) VP DAN**
  - PR: Admission by audition. Open to all university students proficient in dance techniques and concurrently enrolled in Technique. Involves rehearsal and performance of works presented by the department. May be repeated.

- **DAA 4111 Modern Dance IV - (3-4) VP DAN**
  - PR: Admission by placement audition. Intense work on the growth of personal dance styles. Equal emphasis will be given to training the body in the development of technical excellence. May be repeated.

- **DAA 4112 Ballet IV - (3-4) VP DAN**
  - PR: Admission by placement audition or CI. Perfecting the execution of barre work. Intensification of centre work. More stress on aesthetic quality of movement and phrasing. Students expected to be proficient in pointe work. Outside projects, concerts, and performances are required. May be repeated.

- **DAA 4616 Choreography III - (2) VP DAN**
  - PR: DAA 3615. CR: DAA 3109 or above. Work directed toward duets and group dances. The students will submit choreographic ideas for the instructor's approval, then proceed with rehearsals. Lec-lab., reading. Rehearsal hours to be arranged.

- **DAA 4617 Choreography IV - (2) VP DAN**
  - PR: DAA 4616. The student will prepare studies based on free form, minimal art, and chance methods. Lec-lab. reading.

- **DAA 4694 Senior Choreography Project - (1) VP DAN**
  - PR: Dance majors with senior standing. The creation of an original group work and solo within the senior's major concentration-ballet or modern. To be performed and presented with the concurrence of a faculty advisor.

- **DAA 4920 Dance Studies - (1-4) VP DAN**
  - PR: CI and CC. Dance Major status. Individual study to extended coverage in technical and performance of Dance through participation in special workshops.

- **DAE 3351 Ethnic/Folk Dance - (2) VP DAN**
  - An exploration of ethnic and folk dance forms in various cultures of the eastern and western hemispheres. Students will investigate ways of doing, making, and teaching dances through studio work, videos, performances, and readings.

- **DAE 4300 Dance Pedagogy: Theory and Practice - (3) VP DAN**
  - PR: CI, CC. Designed to provide prospective teachers with opportunities to develop concepts of pedagogy based on principles of teaching/learning dance. Specific sections will focus on Secondary Curriculum and Methods and on Pre-K and Elementary Methods.

- **DAE 4310 Dance Pedagogy: Pre-School to Elementary - (3) VP DAN**
  - This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to Pre-K and elementary students.

- **DAE 4340 Dance Pedagogy: Secondary Curriculum - (3) VP DAN**
  - This course is designed to meet the needs of students in Dance Education to understand the scope and sequence of dance curriculum design and teaching methods appropriate to the secondary student.

- **DAE 4397 Special Studies Dance Education - (3) VP DAN**
  - CR: DAA 4940. This course represents a synthesis of the teacher candidate's courses and is required concurrently with the internship.
DEP 4135 Psychology of Language Development - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Available both to majors and non-majors. Surveys the theory on phonological, semantic, syntactic, and pragmatic development.

DEP 3103 Child Psychology -SS(3) AS PSY
Not for major credit. Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior.

DEP 4005 Developmental Psychology - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.

DEP 4035 Psychology of Human Development - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Available both to majors and non-majors. Surveys the course of and processes underlying normal language development. Presents data and theory on phonological, semantic, syntactic, and pragmatic development.

EAB 4715 Supervised Practicum and Field Experience in Applied Behavior Analysis - (1-6) AS PSY
PR: PSY 4933 with a grade of B or better. Does not count toward major credit (S/U only), Field experience in Behavior Analysis in applied settings. Under the supervision, includes the design, implementation and evaluation of behavior analysis methods in applied settings. Includes both field practicum and didactic components. May be repeated for a maximum of 6 hours. Does not count toward major credit (S/U only).

EAP 1850 English for Foreign Students I - (3) AS WLE
A general course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension.

EAP 1851 English for Foreign Students II - (3) AS WLE
PR: EAP 1850 or CI. A continuation of EAP 1850. Emphasis on reading and composition.

EAS 4121 Hydro and Aerodynamics - (3) EN EGR
PR: EML 3701, MAP 2302. Advanced fluid dynamics, ideal and non-ideal flows, applications to flow around immersed bodies.

ECH 3023C Process Engineering 1: Algebraic and Graphical Description - (4) EN ECH
PR: EGN 3343, CR: CHM 4410 or ECH 4123C. Integration of previous knowledge into the definition of reactors and separation processes, through the hierarchical use of material balance, phenomenological and energy balance equations. Representation of streams as arrows and processes as black boxes in Box Flow Diagrams. BFD. Application of degree of freedom analysis.

ECH 3023L Chemical Engineering Lab I - (1) EN ECH
PR: EGN 3343; CP: ECH 3023C The theory and application of chemical engineering instrumental measurement methods: density, temperature, flow, pressure, viscosity, refractive index, humidity, gaseous and liquid composition, and pH/ion selective electrodes (ISE) analysis.

ECH 3702 Instrument Systems I - (4) EN ECH
PR: EGN 3373. Application of discrete logic operations for sensor interfaced and process control situations in Chemical & Mechanical Engineering, use of programmable logic controllers in process control. Introduction to the use of personal computer design software.

ECH 4123 Chemical Engineering Thermodynamics - (3) EN ECH
PR: EGN 3343 Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Applications to separation processes and reactor design.

ECH 4264 Transport Phenomena - (4) EN ECH

ECH 4265C Process Engineering 2: Separation Processes - (4) EN ECH
PR: ECH 3023C, ECH 4264, CHM 4410 or ECH 4123C. Integration of phase equilibria with the principles of fluid mechanics, heat and mass transfer in the description of separation processes. Selection of the number of stages and limiting operating conditions in cascades — NTU and HTU. Sizing of partial condensers and pressure differential in columns. Transfer to single particles.

ECH 4265L Chemical Engineering Laboratory II - (1) EN ECH
CP: ECH 4265C. Chemical Engineering processes laboratory experiments: fluid flow, heat transfer, phase and chemical equilibria, reacting systems, and process control.

ECH 4252C Automatic Control I - (4) EN ECH
ECH 415L Chemical Engineering Lab III - (1-1) EN ECH  
CR: ECH 4415C. Chemical Engineering Processes laboratory experiments: fluid flow, heat transfer, reacting systems, and process control.

ECH 4605 Strategies of Process Engineering - (3) EN ECH  

ECH 4615 Plant Design - MWF (4) EN ECH  

ECH 4845 Qualitative Methods in Chemical Engineering - (3) EN ECH  

ECH 4905 Independent Study - (1-4) EN ECH  
PR: ECH 3151. Self-selected independent study determined by the student’s needs and interests. Students must have contract with instructor.

ECH 4930 Special Topics in Chemical Engineering - (1-4) EN ECH  
PR: CC.

ECH 4951 Special Topics in Chemical Engineering - (1-4) EN ECH  
PR: CI.

ECH 4936 Undergraduate Seminar - (1) EN ECH  

ECH 5285 Transport Phenomena - (3) EN ECH  
PR: Senior or GS in Engineering. Basic descriptive equations of fluid, heat, and mass transport. Description and solution to intermediate problems, including unsteady state and multidimensional systems. Estimation of transport and convective coefficients.

ECH 5324 Automatic Process Control II - (3) EN ECH  
PR: ECH 4323C or CI, majors only / 2 hrs lec., 3 hrs. lab/week. The course covers the root locus and frequency response methods to study stability of control loops. The techniques of ratio, cascade, feed forward, selective, override, and multi-variable control techniques are discussed in detail and shown how to utilize to design control systems, z-transforms and discrete controllers including PID, Dahllein and deadline compensation.

ECH 5740 Theory and Design of Bioprocesses - (3) EN ECH  
Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems.

ECH 5742 Pharmaceutical Engineering - (2) EN ECH  
Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), recipients, regulatory issues, clinical studies, and good manufacturing practices.

ECH 5747C Selected Topics in Chemical Engineering Biotechnology - (1-3) EN ECH  
PR: Senior or GS standing in engineering or CI. Open to majors and non-majors with CI. Selected topics in engineering biotechnology, including cell separation technology, immobilized enzymes and cells, food engineering, biohazardous waste, and bioseparations.

ECH 5748 Selected Topics in Biomedical Engineering - (1-3) EN ECH  
Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems.

ECH 5920 Product Development - (2) EN ECH  
PR: Senior or GS in Engineering or CI. Introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.

ECH 5930 Special Topics III - (1-4) EN ECH  
PR: CI.

ECH 5931 Special Topics IV - (1-4) EN ECH  
PR: CI.

ECO 1000 Basic Economics - SS (3) BA ECN  
No credit after completing either ECO 2023 or ECO 2013. Survey of economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance.

ECO 2013 Economic Principles (Macroeconomics) - SS (3) BA ECN  
Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth and balance of payments stability.

ECO 2023 Economic Principles (Microeconomics) - SS (3) BA ECN  
PR: ECO 2013. Introduction to the theory of price determination. How an economy decides what to produce, how to produce, and how to distribute goods and services.

ECO 2935 Selected Topics in Economics - (1-3) BA ECN  
Not available for credit to upper-level students admitted to the College of Business. Topics selected by department. May be repeated if topics vary.

ECO 3100 Managerial Economics - (3) BA ECN  
PR: ECO 2023. Application of microeconomic theory to problems in business decision making with a special focus on price determination. May not receive credit for both ECO 3100 and ECO 3101.

ECO 3101 Intermediate Price Theory - (3) BA ECN  
PR: ECO 2023. The price system and allocation of scarce resources between present and future uses. May not receive credit for both ECO 3100 and ECO 3101.

ECO 3203 Intermediate Macroeconomics - (3) BA ECN  
PR: ECO 2013 and ECO 3100 or ECO 3101 with a grade of “C” or better. Determination of income, employment, prices, and interest rates. Aggregate demand and aggregate supply.

ECO 3622 American Economic History - (3) BA ECN  
PR: ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.

ECO 3703 International Economics - MWF (3) BA ECN  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Role of international trade in the U.S. economy. Gains from trade, balance of payments, exchange rate determination, balance of payments stability, and international commercial policy.

ECO 4105 Advanced Price Theory - (3) BA ECN  
PR: ECO 3100 or ECO 3101 with a grade of “B” or better. An advanced survey of special topics in microeconomics: borrowing and saving, decision making under uncertainty, markets for capital and labor, game theory, production and exchange efficiency, social welfare, and efficiency consequences of market and non-market allocation.

ECO 4201 Advanced Macroeconomic Theory - (3) BA ECN  
PR: ECO 3203 with a grade of “B” or better. An advanced analysis of a particular topic or topics in macroeconomics. Areas of study include the theories of money, growth, and business cycles. Discussions of how such theories accord with the data area also presented.

ECO 4303 History Of Economic Thought - (3) BA ECN  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Development of economic thought from Plato to Marshall.

ECO 4323 Radical Political Economy - MWF (3) BA ECN  
PR: ECO 1000 or ECO 2013 or CI. The radical (left) and Marxist schools of thought in economics. Application of radical theory to problems of advanced capitalist and socialist societies.

ECO 4401 Introduction to Mathematical Economics - (3) BA ECN  
PR: ECO 2013, QMB 3200, and MAC 2243 or MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 4421 Introduction to Econometrics - (3) BA ECN  
PR: QMB 3200 with a grade of “B” or better. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions. Examines problems of auto-correlation, heteroscedasticity, multicollinearity, and specification errors.

ECO 4504 Public Finance - (3) BA ECN  

ECO 4713 International Macroeconomics - (3) BA ECN  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.
ECS 4723 International Trade and Policy - (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.

ECS 4805 Independent Study: Elementary Education - (1-4) ED EDE
S/U only. Specialized independent study determined by the student's needs and interests.

ECS 4808 Directed Study: Elementary Education - (1-4) ED EDE
PR: EDE 4941 and EDE 4942; CR: EDE 4936. S/U only. Research directed study with the student and instructor, to extend competency in teaching field.

ECS 4904 Internship: Elementary Education - (10-12) ED EDE
PR: EDE 4941 and 4942; CR: EDE 4936. S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full day internship in a public or private elementary school.

ECS 4914 Economic Development - (3) BA ECN
PR: ECO 2013 or CI. Economic development in emerging nations.

ECS 4918 Independent Research - (1-3) BA ECN
PR: Chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

ECS 4925 Selected Topics in Economics - (1-3) BA ECN
Topics to be selected by the instructor or instructors on pertinent economic issues.

ECP 3201 Economics of Women and Work - (3) BA ECN
PR: ECO 1000 or ECO 2013 and ECO 2023. Survey of research on women, men, and work in the labor market and the household. Focuses on the economic status of women. Includes historical perspective, examination of the family as an economic unit, changing work roles, and gender differences in occupation and earnings.

ECP 3203 Labor Economics - (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Determination of demand 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 - (3) BA ECN
PR: ECO 2023. 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 Ecological Economics - (4) BA ECN
PR: ECO 2023. An economic analysis of environmental issues. Determination of demand 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 3303 Environmental Economics - (3) BA ECN
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3313 Economics of the Urban Environment - (3) BA ECN
PR: ECO 2023. Survey of research on urban social problems. Poverty, discrimination, housing, regulations, and national healthcare systems.

ECP 3412 Economics of Transportation - (3) BA ECN
PR: General psychology and admission to College of Education. Examination of transportation demand and supply. Identification of efficient, environmentally friendly, and government regulation and antitrust policy.

ECP 3413 Economics of Regulation and Antitrust - (3) BA ECN
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3530 Economics of Health - (3) BA ECN
PR: ECO 3100 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 - (3) BA ECN
PR: ECO 1000 or ECO 2013 or CI. Survey of research on urban social problems. Poverty, discrimination, housing, regulations, and national healthcare systems.

ECP 4232 Collective Bargaining and Public Policy - (3) BA ECN
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government roles in collective bargaining and labor relations.

ECP 4451 Law and Economics - (3) BA ECN
PR: ECO 2023. 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 Commerce - (3) BA ECN
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions, and corrections.

ECS 3013 Economic Development - (3) BA ECN
PR: ECO 2013 or CI. Economic development in emerging nations.

ECS 4003 Comparative Economic Systems - (3) BA ECN
PR: ECO 1000 or ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

EDE 4301 Classroom Management, School Safety, Ethics, Law and Elementary Methods - (3) ED EDE
PR: Admission to the program in the Department of Childhood Education. This course examines the legal issues affecting classroom/school management, school safety, professional ethics and elementary school methods. The course explores the current knowledge of best practices of a variety of teaching and management strategies and methods deemed appropriate for a diverse elementary classroom setting including ESOL students and other exceptionalities.

EDE 4905 Independent Study: Elementary Education - (1-4) ED EDE
S/U only. Specialized independent study determined by the student’s needs and interests.

EDE 4908 Directed Study: Elementary Education - (1-4) ED EDE
PR: EDE 4941 and EDE 4942; CR: EDE 4936. S/U only. Research directed study with the student and instructor, to extend competency in teaching field.

EDE 4940 Internship: Elementary Education - (10-12) ED EDE
PR: EDE 4941 and 4942; CR: EDE 4936. S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full day internship in a public or private elementary school.

EDE 4941 Childcare Education - (3) ED EDE
PR: Admission to the Early Childhood Education. CR: RED 4110, EDG 4620. Concurrent enrollment in EDG 4620. S/U only. Students spend six hours per week in a supervised in-school experience and attend weekly seminars.

EDE 4942 Childcare Education Internship Level II - (6) ED EDE
PR: EDE 4941, RED 4310, EDG 4620, EDF 3122, LAE 4314, EDE 4301, MAE 4310, SCE 4310, LAE 4414, SSE 4313, EME 2040. S/U only. Students spend 12 hours per week in a supervised internship experience in classroom settings and attend a weekly seminar.

EDE 4905 Introduction to Education and Field Experience - (3) ED EDE
PR: General psychology and admission to College of Education. Preadolescent child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

EDE 4914 Human Development And Learning - (3) ED EDE
PR: General psychology and admission to College of Education. Application of respondent and operant learning principles to classroom learning, teaching models for different instructional goals, analysis of teacher behavior, micro-teaching.

EDE 4928 Human Behavior and Environmental Selection - (3) ED EDE
PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

EDE 4922 Learning and the Developing Child - (3) ED EDE
PR: General psychology and admission to College of Education. Preadolescent child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

EDE 4924 Child Growth and Learning - (3) ED EDE
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.

EDE 4931 Learning and The Developing Adolescent - (3) ED EDE
PR: General psychology and admission to College of Education. Adolescent growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of the classroom.

EDE 4938 Measurement For Teachers - (3) ED EDE
PR: Upper level standing. Concepts and skills related to designing and developing classroom tests; evaluating tests, instruction, and student progress; and communicating student achievement. Including application of performance assessment techniques and computer applications for measuring and assessing pupil progress.

EDE 4943 Independent Study: Educational Foundations - (1-4) ED EDE
PR: DPR. S/U only. Specialized independent study determined by the student’s needs and interests.

EDE 4999 Directed Study: Educational Foundations - (1-3) ED EDE
PR: Senior Standing. Offered only as a scheduled class. To extend competency in teaching field.

EDE 5657 Trends in the Social-Political Foundations of Schooling in the US - (3) ED EDE
Current debates re: purpose and practice of formal schooling in the U.S. with historical and sociological perspectives. Satisfies social foundations requirements for Fia. Teacher certification and ESL competency in knowledge of intercultural issues in education.
EDG 2701 Teaching Diverse Populations and Field Experience - (3) ED EDC
An introductory survey course required for admission into the College of Education. Places schools and teaching within the context of the U.S. as a pluralistic society. Topics include: the demographics of diversity; prejudice; elements of culture; American heritage of diversity and its value; and barriers to cultural understanding. Includes lecture and field experience.

EDG 2701 Teaching Diverse Populations and Field Experience - (3) ED EDC
An introductory survey course required for admission into the College of Education. Places schools and teaching within the context of the U.S. as a pluralistic society. Topics include: the demographics of diversity; prejudice; elements of culture; American heritage of diversity and its value; and barriers to cultural understanding. Includes lecture and field experience.

EDG 4620 Curriculum and Instruction - (3) ED EDC
An introduction to the field of curriculum and instruction. Emphasis is placed on principles of curriculum development and use of instructional strategies. Students will develop, implement, and evaluate a variety of lesson plans.

EDG 4909 Directed Studies - (1-4) ED EDC
PR: Senior standing. Offered only as a scheduled class, Department permit required. To extend competency in teaching specific methods.

EEC 2000 Introduction to Early Childhood Education - (3) ED EDU
An overview of early childhood education with emphasis on its historical development, current theories, and practices.

EEC 4000 Literature in Early Childhood Education - 6 A L/W (3) ED EDU
Jr./Sr. Standing. Emphasis is placed on developing knowledge of literature for younger children (0-8 yrs.) and methodologies and strategies for utilizing literature to teach literacy in content areas of the curriculum.

EEC 4203 Programs for Young Children - (3) ED EDU
PR: Admission to College of Education. Early Childhood majors only. Develops students' understanding of historical and social foundations of early childhood education, establishing professional beliefs regarding teaching young children, and developing an appropriate learning environment.

EEC 4211 Integrated Curriculum: Science and Mathematics - (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of science and mathematical concepts for the appropriate stages of cognitive development of young children. Emphasis will be placed on how science and mathematics are integrated throughout the curriculum and become valued functional tools.

EEC 4212 Integrated Curriculum: Social Sciences/Humanities & Art - (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Develops an understanding of appropriate curricular experiences in social science, humanities, and arts for kindergarten and primary grades with an emphasis on integrated experiences, and sociological influences such as culture, ethnicity, language and gender impact understandings, values, and learning.

EEC 4300 Cognitive Experiences for Young Children - (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Emphasizes theoretical and practical aspects of cognitive development for children 3 through 6 with focus on planning integrated experiences and content in science, mathematics, and social sciences.

EEC 4303 Creative and Affective Experiences for Young Children - (3) ED EDU
PR: Admission to College of Education. Early Childhood majors only. Develops students' understandings of children's creative expression through art, music, movement, play and drama. Emphasizes how to plan, implement, and evaluate appropriate learning experiences as well as selection of appropriate instructional materials.

EEC 4408 Child, Family & Teacher Relations - (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Focuses on developing an understanding of traditional and non-traditional families, structural and life style variations and parenting in diverse cultures and at-risk families. Integrating 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.

EEC 4706 Language and Emerging Literacy - (3) ED EDU
PR: Admission to College of Education, EDF 4111. Early Childhood majors only. Provides knowledge of language development and emerging literacy for typical and atypical children from birth to third grade, including ESOL and families with special needs.

EEC 4905 Independent Study: Early Childhood Education - (1-4) ED EDU
PR: S/U only. Early Childhood majors only. Specialized independent study determined by the student's needs and interests.

EEC 4909 Directed Study: Early Childhood Education - (1-3) ED EDU
PR: Senior standing. To extend knowledge in teaching field.

EEC 4936 Senior Seminar in Elementary Early Childhood Education - (2) ED EDU

EEC 4940 Internship: Early Childhood - (10-12) ED EDU
CR: EEC 4936, S/U only. Teacher candidate is required to demonstrate professional competencies during one semester of full-day internship in a public or private elementary school.

EEC 4941 Field Experience I - (3) ED EDU
PR: Admission to College of Education. Early Childhood majors only. Field placement in kindergarten or primary grade 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.

EEC 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 integrating appropriate curriculum for program planning for both typical and atypical children.

EEC 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 and relationship to curriculum planning with an emphasis on self-evaluation of knowledge, skills, and dispositions essential for teaching.

EED 4011 Introduction to Behavior Disorders - (3) ED EDS
PR: EEX 4011, or equivalent or DPR. Survey of emotional, behavioral, and social disorders in children and youth. History of the field, definitions, classifications, theoretical approaches, intervention techniques, classroom management, service delivery models, trends and issues.

EED 4014 Directed Study of Behavior Disorders - (1-3) ED EDS
PR: Senior standing, DPR. To extend competency in teaching field.

EED 4941 Undergraduate Supervised Practicum in Behavior Disorders - (1-6) ED EDS
PR: EEX 4011, S/U only. DPR. Supervised field experience in assessment, 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 Engineering systems. Use of computer systems, including Internet resources. Use of analytical software. Computer programming in C++ for the solution of Electrical Engineering problems.

EEL 3100 Network Analysis and Design - (3) EN EGE

EEL 3302 Electronics I - (3) EN EGE
PR: EGN 3373. A course in the physical principles of electronic devices with emphasis on major-semiconductor devices. Includes the analysis and design of amplifiers and switching circuits.

EEL 3410 Fields and Waves I - (3) EN EGE
PR: MAP 2302, PHY 2049, PHY 2049L. A basic introduction to electromagnetic field theory, including static and dynamic electromagnetic fields.

EEL 4030 Electrical Systems Environments - (3) EN EGE
EEL 4102 Linear Systems Analysis - (3) EN EGE
PR: EEL 3100. Provides further study in the analysis of linear networks and systems. Includes time and frequency domain points of view. Laplace, Fourier and superposition integrals.

EEL 4205 Electronics II - (3) EN ESB
PR: EEL 3205. Provides further study in electronic circuits. Includes feedback and frequency response techniques in amplifier design.

EEL 4310C Semiconductor Devices - (3) EN EGE
PR: EEL 3302. An introduction to the fundamentals of semiconductor materials and semiconductor device operation.

EEL 4420 RF & Microwave Measurements - (2-3) EN EGE
PR: EEL 4161 or CI. This course introduces students to the theory and design of modern radiowave and microwave measurements. Topics to be included are network analyzer, spectrum analyzer, noise, power, and non-linear distortion measurements. Modern trends and techniques are treated with an emphasis on wafer measurements for transistor characterization and the evaluation of monolithic microwave integrated circuits.

EEL 4421 RF/Microwave Circuits I - (3) EN EGE
PR: EEL 3100, EEL 4471. Introduction to passive microwave circuit design. Investigates the characteristics of transmission lines used in modern microwave systems, the methods used for analysis, and some common circuit topologies for matching, filtering and power distribution. Part one of a two-part sequence. EE majors only. Not available on an S/U basis.

EEL 4422 RF/Microwave Circuits II - (3) EN EGE
PR: EEL 4421. Introduction to active RF/Microwave circuit design. Investigates the characteristics of amplifiers and oscillators used in modern 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 4471 Electromagnetics - M W (3) 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 3100. 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 4567 Electro-Optics - (3) EN EGE
PR: EEL 3301L, EEL 3302L, EEL 3410. An introduction to the field of electro-optics, including visible and infra-red sources and detectors, radiometry, optical and electronic components, and fiber optics.

EEL 4657 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: EGN 3373, CR: EEL 4705L. Introduction to analysis and design of digital logic circuits. Synchronous sequential circuits; state-machine circuitry; state analysis; state diagrams; and state-tables.

EEL 4705L Logic Laboratory - (1) EN EGE
CR: EEL 4705. Develops designs and demonstrates logic concepts. Schematic capture for design implementation, simulation and design verification.

EEL 4743L Microprocessor Laboratory (1) EN EGE
CR: EEL 4744. Application of microprocessors and microcontrollers for digital data entry, processing, display and real time data storage.

EEL 4744 Microprocessor Principles and Applications - (3) EN EGE

EEL 4748 Microprocessor-Based System Design and Application - (3) EN ESB
PR: CDA 3201, CDA 3201L. Study of techniques for design of microprocessor-based systems used in modern real-time applications. Includes a project on development of an experimental application system.

EEL 4776 Signal and Image Processing - (3) EN ESB
PR: EGN 4450, EEL 4851C. Sampling and quantization of signals and images; frequency-domain representations, transforms; filtering, convolution, and correlation; low-level image analysis algorithms; color images; fast methods and parallelism.

EEL 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 4782L 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, data flow, high-level protocols, and the ISO model are discussed. Bus, ring, star, and wireless topologies are presented.

EEL 4782L Information Networks Laboratory for Information Technology - (1) US EIT
CR: COP 4810 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 3103, COP 3514. Fundamentals of data organization for purposes of program efficiency, clarity and simplicity will be addressed.

EEL 4852C Data Base Systems - (3) EN EGE
PR: EEL 4851C. Fundamentals of data base management systems. CODASYL, network, hierarchical, and relational data base systems are analyzed, and typical applications are presented.

EEL 4854 Data Structures and Algorithms for Information Technology - (3) US EIT
PR: COP 3515 or CI. Representing data for manipulation by the computer is 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 - M W (2) EN EGE
PR: EEL 4102: CR: EEL 4305, EEL 4512, EEL 4657, EEL 4744. An introduction to engineering design with applications specific to practical engineering problems. Included are discussion of real-world issues as economics, safety, ethics and the environment.

EEL 4935 Special Electrical Engineering Topics I - (1-4) EN EGE
EEL 4936 Special Electrical Engineering Topics II - (1-4) EN EGE
EEL 4937 Special Electrical Engineering Topics III - (1-4) EN EGE
EEL 5250 Power System Analysis - (3) EN EGE
PR: EGN 3375. Analysis and design technique for AC power systems.

EEL 5316L Wireless Circuits and Systems Design Laboratory - (2) EN EGE
PR: EEL 4936. An extensive hands-on introduction to wireless radio frequency and microwave circuits and systems, involving modern measurements, fabrication and computer-aided design experiences at both component and subsystem levels. Not available on an S/U basis.

EEL 5344C Digital CMOS/VLSI Design - (3) EN EGE
PR: EEL 4705 or GS. Design, layout, simulation, and test of custom digital CMOS/VLSI chips, using a CMOS cell library and state-of-the-art CAD tools. Digital CMOS static and dynamic gates, flip-flops, CMOS array structures commonly used in digital systems. Top down design example of a bit slice processor.

EEL 5356 Integrated Circuit Technology - (3) EN EGE
PR: EEL 4351 or GS. Physics and Chemistry of integrated circuit base systems are analyzed, and typical applications are presented.

EEL 5357 Analog CMOS/VLSI Design - (3) EN EGE

EEL 5362 Physical Basis Of Microelectronics - (3) EN EGE
PR: EEL 4471 or GS. Physics of moderate properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.
EEL 5473 Microwave Engineering - (3) EN EGE
PR: EEL 4471, 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 4471 or GS. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, conceptual 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 LAN/MANs and its components: media topologies, access methods, etc.; LAN/MAN architectures and protocols-IEEE 802.xLAN Standards; High speed LANS such as FDDI, IEEE 802.6 MAN, etc., internetworking; LAN/MAN Design and selection.

EEL 5631 Digital Control Systems - (3) EN EGE
PR: EEL 4657 or GS. Sample data and digital control processes

EEL 5740 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 II - (1-3) EN EGE
PR: EEL 5925 Special Electrical Engineering Topics I. \( \sum \) EN EGE

EEL 5937 Special Electrical Engineering Topics III - (1-3) EN EGE
PR: EEL 5925 Special Electrical Engineering Topics II. \( \sum \) 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 Exceptional Adolescents and Adults - (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, ELD 4941, or EMR 4941. Techniques to prevent, analyze, and manage challenging and disruptive classroom behavior as well as teaching social skills.

EEX 4724 Narratives of Exceptionality: Cultural and Ethical Issues - 64 LW (3) ED EDS
DPR. This course is designed to use literature as a way to interpret the lives of individuals with disabilities, their families and those who play educational roles in their lives. The course also addresses cultural and ethnic diversity so as to better analyze the role of ethics and values in decisions made pertaining to individuals with disabilities.

EEX 4846 Clinical Teaching in Special Education - (3) ED EDS
PR: EEX 4011, DPR, CR: EEX 4841. Effective teaching principles, instructional management procedures, and specialized teaching techniques for exceptional students.

EEX 4905 Independent Study: Exceptional Student Education - (1-3) ED EDS
PR: DPR. S/U only. Specialized independent study determined by the student’s needs and interests.

EEX 4909 Directed Study: Exceptional Student Education - (1-3) ED EDS
PR: Senior standing. DPR. To extend competency in teaching field.

EEX 4936 Senior Seminar in Exceptional Student Education - (1) ED EDS

EEX 4940 Internship: Exceptional Student Education - (1-10) ED EDS
CR: EEX 4936, S/U only. One full semester of internship in an accredited public or private school.

EEX 4941 Practicum in Exceptional Student Education - (1-4) ED EDS
CR: Sem I: EEX 4911; Sem II: EEX 4904; Sem III: EEX 4421 and EEX 4946. Designed to provide teacher candidates with carefully planned and supervised clinical experiences with exceptional students populations in a variety of settings. Candidates demonstrate the ability to apply concepts, theories and research.

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 5752 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) ED EDS
Organized, supervised experiences with gifted children. Specific experiences may be either a combination of observation and assistance with gifted children or individualized 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
Explore 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.

EGI 2031 History of Technology - HP (3) EN EGB
Covers the evolution of technology and its influence on society from pre-historic man to the modern day. Topics include: seven technological ages of man, methods of producing power, materials, transportation, communication and calculation, and technology and society.

EGN 2080 Light and the Arts: A Quantitative Approach - FA (3) EN EGB

EGN 3011 Circuit Analysis and Electronics - (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, Tesla, 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 computer algebra systems.

EGN 3000 Foundations of Engineering - (1) EN EGB
Introduction to the profession of engineering. Exposure to the different disciplines of engineering incorporates 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 3330 Engineering Mechanics I - (4) EN EGB
PR: PHY 2048. Introduces concepts of forces, moment, equilibrium equations, stresses, and buckling.

EGN 3331 Mechanics of Materials - (3) EN EGB
PR: EGN 3311. Stress, strain, Hooker’s Law; torsion, beam, column analysis; combined stresses; inelastic effects, limit design. Lec.

EGN 3331L Mechanics of Materials Laboratory - (1) EN EGB

EGN 3343 Thermodynamics I - (3) EN EGB

EGN 3353 Basic Fluid Mechanics - (3) EN EGB

EGN 3358 Thermodynamics, Fluids, and Heat Transfer - (4) EN EGB
PR: PHY 2049. Thermodynamic concepts of energy, entropy, work and heat and thermodynamic cycles. Basic concepts of fluid mechanics, including viscous fluids, pipe flow with minor losses, simple fluid machinery, momentum and external flow. Steady state conductive and convective heat transfer.

EGN 3365 Materials Engineering I - (3) EN EGB
PR: CHM 2046, EGN 3311. Structure and property relationships in engineering materials, i.e., metal, ceramic and polymer systems. Environmental effects are also treated.

EGN 3373 Introduction to Electrical Systems I - (3) EN EGB

EGN 3374 Introduction to Electrical Systems II - (3) EN EGB
PR: EGN 3373. Electrical/electronic circuits and systems.

EGN 3375 Electromechanical Systems - (3) EN EGB

EGN 3420 Engineering Analysis - (3) EN EGB
PR: MAC 2282. Introduction to aspects of matrix algebra and complex algebra which are essential in engineering: simultaneous equations, connection matrices, basic eigenvalue theory, the complex exponential.

EGN 3433 System Dynamics - (3) EN EGB
Dynamic analysis of electrical, mechanical, hydraulic and thermal systems; LaPlace transforms; numerical method; use of computers in dynamic systems.

EGN 3443 Engineering Statistics I - (3) EN EGB
PR: MAC 2282. An introduction to the basic concepts of statistical analysis with special emphasis on engineering applications.

EGN 3451 Applied Engineering Concepts for Information Technology - (3) US EIT
PR: Any PHY course. A lecture and problem solving course which deals with engineering subjects related to computers and information technology including static stability and strength, electrical characteristics, thermodynamics and heat transfer, and signal propagation.

EGN 3613C Engineering Economy I - (3) EN EGB
A study in analyzing the economic limitations imposed on engineering activities using basic models which consider the time value of money.

EGN 3615 Engineering Economics with Social and Global Implications - (3) EN EGB
Presents basic economic models used to evaluate engineering activities, and an understanding of the social and ethical implications of financial decisions in a multicultural environment through lectures, case studies, and current readings.

EGN 4366 Materials Engineering II - (3) EN EGB
PR: EGN 3365. Applications and structure property relationships of commonly used engineering materials. Steel, nonferrous alloys and their welding, heat treatment and processing. Introduction to ceramic and polymeric materials.

EGN 4420 Numerical and Computer Methods in Engineering - (3) EN EGB

EGN 4450 Introduction to Linear Systems - (2) EN EGB
PR: MAC 2282. Study and application of matrix algebra, differential equations and calculus of finite differences.

EGN 4831 Technology and Society - M W (3) EN EGB
Non-technical survey of engineering activities: utilities, nuclear power, genetics weaponry, space, etc. Students conduct individual in-depth study of environmental/ethical problem.

EGN 4905 Independent Study - (1-5) EN EGB
PR: CI. Specialized independent study determined by the students’ needs and interests.

EGN 4930 Special Topics in Engineering - (1-3) EN EGB
PR: CI. New technical topics of interest to engineering students.

EGN 5401 Engineering Applications for Vector Analysis - (3) EN EGB
Vector methods in electromagnetism and fluid mechanics. Vector operators, line and flux integrals, potential and transport theorems, applications.

EGN 5422 Engineering Applications of Partial Differential Equations - (3) EN EGB

EGN 5423 Neural Networks and Mathematics for Communication - (3) EN EGB

EGN 5424 Engineering Applications of Complex Analysis - (3) EN EGB
Analytic functions, conformal mapping, residue theory, Laurent series, transforms. Applications to various problems in engineering and physics.

EGN 5425 Engineering Applications of Advanced Matrix Computations - (3) EN EGB
Survey of theory and software for matrix computations: factorization methods, least squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.

EGN 5428 Introduction to Design Graphics - (3) EN EGB
The student learns how to graphically represent technical designs using sketches, traditional drawing tools, and AutoCAD. The lab features twenty Pentium II computers running AutoCad R14.

EIA 3192 Technology Education and Society - (4) ED EDV
Introduction to programs, facilities and opportunities in teaching Technology Education. Includes historical, current and futuristic implications of technology in society.

EIA 4360 Special Teaching Methods: Technology Education - (3) ED EDV
Equips Technology Education instructors with professional competencies for classroom and laboratory settings. Includes the selection of appropriate methods, planning, and delivery of instruction, along with supervision of students in laboratory areas.

EIN 4212C Work Analysis - (3) EN EGS
PR: EGN 3613C, EGN 3443. Operation analysis and workspace design, work measurement, standard data, ergonomics, and labor costing.

EIN 4213C Human Factors - 6A (3) EN EGS
Design of man-machine systems, by taking into consideration both human and machine capabilities and limitations.
EML 3262 Kinematics and Dynamics of Machinery - (3) EN EGR
PR: EGN 3221. Kinematics of machine and mechanisms: position, velocity, and acceleration analysis of mechanisms; cams; gear trains; inertia forces in mechanisms; flywheels; balancing of rotating masses.

EML 3263 Heat Transfer - (3) EN EGR
PR: EGN 3343. Power and refrigeration cycles; fuels and combustion, heat transfer; thermal properties of materials; role of fluid flow in heat transfer; film lubrication, bearing and lubricant selection.

EML 3264 Fluid Mechanics and Thermodynamics of Fluids - (3) EN EGR
PR: EN 3846. Fluid dynamics, heat transfer and mass transfer fundamentals; analysis of incompressible flow; boundary layer theory; dimensional analysis; mass-energy balances of simple systems.

EML 3265 Dynamics of Machine Elements - (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 3266 Vibration of Machinery - (3) EN EGR

EML 3267 Fluid Systems - (3) EN EGR
PR: EGN 3343, EGN 3321. Principles of fluid flow; piping and duct systems; fluid machinery, metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 3268 Thermodynamics of Fluids - (3) EN EGR

EML 3269 Heat Transfer - (3) EN EGR
PR: EML 3201. 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 3270 Fluid Systems - (3) EN EGR
PR: EGN 3343. Fluid systems: flow in pipes and ducts; fluid mechanics; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 3271 Thermodynamics of Fluids - (3) EN EGR

EML 3272 Vibration of Machinery - (3) EN EGR

EML 3273 Fluid Systems - (3) EN EGR
PR: EGN 3343. Fluid systems: flow in pipes and ducts; fluid mechanics; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 3274 Thermodynamics of Fluids - (3) EN EGR

EML 3275 Vibration of Machinery - (3) EN EGR

EML 3276 Fluid Systems - (3) EN EGR
PR: EGN 3343. Fluid systems: flow in pipes and ducts; fluid mechanics; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 3277 Thermodynamics of Fluids - (3) EN EGR

EML 3278 Vibration of Machinery - (3) EN EGR

EML 3279 Fluid Systems - (3) EN EGR
PR: EGN 3343. Fluid systems: flow in pipes and ducts; fluid mechanics; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.

EML 3280 Thermodynamics of Fluids - (3) EN EGR

EML 3281 Vibration of Machinery - (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 4312 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 4395 Motor Selection and Control - (3) EN EGR
PR: ENG 3373. 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 4419C Propulsion I - (3) EN EGR
PR: EML 3701, EML 3500. 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 discussions.

EML 4422 Internal Combustion Engines - (3) EN EGR
This course is for the application of thermodynamics, chemistry, physics, dynamics of machinery, electronics and fluid mechanics. Topics covered are: introduction of engines, fuels and combustion, numerical modeling, ignition, fuel systems, balance of reciprocating mechanisms and emission control of exhaust pollutants.

EML 4501 Machine Design - (3) EN EGR
PR: EML 3500. Designed to teach students to apply the principles of engineering mechanics, materials and manufacturing to the design/analysis of machine elements and mechanical systems. Emphasis is given toward good design practice as well as pitfalls that can result in a catastrophic failure.

EML 4551 Capstone Design - M W (3) EN EGR
CR: EML 4501, EML 4142. 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: 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 3041. 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 4601 Air Conditioning Design - (3) EN EGR

EML 4905 Independent Study - (1-4) EN EGR
PR: CI. Specialized independent study determined by the student's needs and interests.

EML 4930 Special Topics in Mechanical Engineering - (1-4) EN EGR
PR: CC.

EML 5930 Special Topics III - (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. Practice/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 - (3) AS ENG
PR: ENC 1101 and ENC 1102 must be taken in numerical sequence. Instruction and practice in the skills of writing and reading.

ENC 1102 Composition II - (3) AS ENG
PR: ENC 1101. Instruction and practice in the skills of writing and reading.

ENC 1121 Composition I: Honors - (3) AS ENG
Reserved for students in University Honors. Honors Section of ENC 1101.

ENC 1122 Composition II: Honors - (3) AS ENG
PR: ENC 1121. Reserved for students in University Honors. Honors Section of ENC 1102.

ENC 2210 Technical Writing - (3) AS ENG
PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. Effective presentation of technical and semi-technical information.

ENC 2311 Communication for Engineers - (3) AS ENG
Focuses on writing concerns of engineers. Deals with the content, organization, format, and style of specific types of engineering documents. Provides opportunity to improve oral presentations.

ENC 3213 Professional Writing - (3) AS ENG
PR: ENC 1101 and ENC 1102 or ENC 1121 and ENC 1122. A course teaching the techniques and types of professional writing, including correspondence and reports most often found in business, technical, and scientific communities.

ENC 3310 Expository Writing - (3) AS ENG
PR: ENC 1101 and ENC 1121 or ENC 1122. A course on writing skills of a high order: technical exposition; technical narration, description, and argumentation; graphics; proposals; progress reports; physical and technical reports; and feasibility reports.

ENC 4311 Advanced Composition - (3) AS ENG
PR: ENC 3310 or CI. Instruction and practice in writing effective, lucid, and compelling prose, with special emphasis on style, argumentation; graphics; proposals; progress reports; physical and technical reports.

ENC 4531 Selected Topics in Professional and Technical Writing - (3) AS ENG
PR: ENC 3213, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student demand and instructor interest. Topics to be covered may include legal writing, the conventions of business writing, and writing for the social sciences. May be taken twice for credit with different topics.

ENG 4013 Literary Criticism - (3) AS ENG
A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature. Required for Literature majors.

ENG 4060 History of the English Language - (3) AS ENG
The evolution of language from Anglo-Saxon through Middle English to Modern English. Development of the English lexicon. Changes in the pronunciation, syntactic, and semantic systems; discussion of the forms which influenced them.

ENG 4906 Individual Research - (1-4) AS ENG
PR: CC. Directed study in special projects.

ENG 4907 Directed Reading - (3) AS ENG
PR: CC. Readings in special topics.

ENG 4935 Honors Seminar I - (3) AS ENG
PR: Admission to English Honors Program. CR: ENG 4936. Variable topics. Students will be expected to participate in class discussion, make formal presentations, and complete a major research project.

ENG 4936 Honors Seminar II - (3) AS ENG
PR: Admission to English Honors Program. CR: ENG 4935. Variable topics. Students will be expected to participate in class
ENV 4400 Chemical Aspects of Environmental Engineering - (3) EN EGX
PR: ENG 3353. An introduction to municipal water supply and waste water treatment. Topics include water requirements and waste volumes, water quality, physical and chemical treatment processes, and advanced wastewater treatment processes.

ENV 4502 Water Treatment, Gas/Liquid Separation - (3) EN EGX
PR: EGN 3353. CR: ENV 4001. The theory and the design of unit operations normally used in the practice of environmental engineering, such as agitation and mixing of liquids, filtration, leaching, gas absorption, sedimentation and clarification, drying, and evaporation.

ENV 4503 Wastewater Treatment Engineering - (3) EN EGX
PR: EGH 3023C. EGN 3353, ENV 4001. The theory and design of unit processes normally used in environmental engineering such as coagulation of colloidal materials, water stabilization, water softening and neutralization, ion exchange, adsorption and oxidation processes for the control of iron and manganese.

ENV 4552C Environmental Unit Operations and Processes - (3) EN EGX
PR: ENV 4001, ENV 4417 or CI. Theory, experimental investigation, and modeling of operations and processes in engineered and natural systems. Laboratory evaluation of unit operations and processes used in water and wastewater treatment including chlorination, activated carbon absorption, biological treatment, gas/liquid transfer, filtration, coagulation, flocculation, and settling. Application of experimental data to process analysis and design. Field monitoring of surface water quality; simulation of transport and transformation of pollutants in natural bodies.

ENV 4591 Capstone Environmental Engineering Design - M/W (3) EN EGX
PR: CVR 4103, ENV 4401, ENV 4417. A capstone environmental design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water and wastewater systems and the design and collection systems. The course emphasizes the qualitative and design procedure normally used in engineering practice.

ENV 5103 Air Pollution Control - (3) EN EGX
PR: EGN 3353. Behavior and effects of atmospheric contaminants and the principles of making measurements in the air environment. Basic concepts of meteorology and control technology are discussed. Regulatory aspects and air pollution standards are covered.

ENV 5105 Air Resource Management - (3) EN EGX
PR: CI. Air pollution source impacts on ambient air quality, modeling, regulatory approaches, source strategic controls and surveillance.

ENV 5344 Hazardous Waste Management and Remedial Action - (3) EN EGX
PR: ENV 5345 and one of the following: ENV 6347, ENV 6519, ENV 6558; or CI, majors only. Introduction to hazardous waste management and remediation: RCRA regulatory concepts, definitions, aspects of hazardous waste management within the plant to final disposal. History of hazardous waste cleanup leading to CERCLA and its amendments, site investigations; site control; those aspects of treatment that are unique to remedial action; (PR: undergraduate preparation in environmental engineering or an environmental science program)

ENV 5345 Solid Waste Control - (3) EN EGX
PR: CI. Introduction to solid waste management, including its definition as an umbrella for hazardous waste, regulatory concepts; waste types, quantities, and characterization; collection and recycling; facility siting; disposal; thermal treatment. (PR: undergraduate preparation in environmental engineering, or graduate standing in environmental engineering or an environmental science program)

ENV 5504C Environmental Engineering Processes - (3) EN EGX
PR: ENV 4001, ENV 4004C, ENV 4417. Theory, experimental investigation, and modeling of operations and processes in engineered and natural systems. Laboratory evaluation of unit operations and processes used in water and wastewater treatment including chlorination, activated carbon adsorption, biological treatment, gas/liquid transfer, filtration, coagulation, flocculation, and settling. This course is restricted to majors, has no external laboratory section associated with the course, is not available on an S/U basis only, is not cross-listed with another department or college.

ENV 3004 Introduction to Entomology - (3) AS BIO
ENY 5505 Aquatic Entomology - (3) AS BIO
PR: ENY 3004 or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec.-lab.

EPH 5051 Advanced Theories in Motor and Physical Disabilities - (3) ED EDS
PR: EEX 4011 or DPR. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system, motor, sensory, language and cognitive disorders.

EPH 5321 Educational Strategies for Physically and Multihandicapped Students - (3) ED EDS
PR: EPH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other communications.

ESE 5342 Teaching the Adolescent Learner - (3) ED EDI
Emphasis is placed on adolescent developmental and learning needs linking them to practices in the classroom appropriate to the diverse secondary education population (ESOL, special education, multicultural, at-risk, etc.) in preparation for planning responsive standards-based instruction.

ESE 5344 Classroom Management for a Diverse School and Society - (3) ED EDI
This course covers practical, theoretical, philosophical and ethical aspects of school and society, the education profession, and secondary education tools with particular focus on classroom management, school violence, school safety, educational law and other critical social issues.

ESI 4221 Industrial Statistics and Quality Control - (3) EN EGS
PR: EGN 3443. EN 4411. Application of statistical techniques to the control of industrial processes. Control charts, acceptance sampling, design of experiments, analysis of variance and regression.

ESI 4244 History of Experiments - (3) EN EGS
PR: EGN 3443. Activity forecasting models and control. Design and use of inventory control models, both designs applicable to engineering analyses. Analysis of variance and regression.

ESI 4312 Deterministic O. R. - (3) EN EGS
PR: EGN 4450. An introduction to operations research techniques with particular emphasis on deterministic models. Linear programming, dynamic programming, goal programming, integer programming, and PERT/CPM networks are considered.

ESI 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 and the instructor.

ESI 4911 Senior Project - (2) EN EGS
PR: EIN 4364, CR: EIN 4333, ESI 4523. Analysis and design of systems in a directed project format. Individual or group work consisting of project proposal, project activities, and final report. Student projects are directed by faculty, with chairman's approval.

ESI 5219 Statistical Methods For Engineering Managers - (3) EN EGS
Not open to students who have had EGN 3443. Study of statistical methods applied to engineering management problems involving estimation and prediction under conditions of uncertainty.

ESI 5236 Reliability Engineering - (3) EN EGS
PR: ESI 5219 or equiv., majors only. Prerequisite EGN 3443 or equivalent. Fundamental concepts of reliability. Estimation of reliability of systems and components. Measures of availability, maintainability and reliability.

ESI 5305 Operations Research For Engineering Management - (3) EN EGS
Not open to students who have had ESI 3415. ESI 5219 or equiv., majors only. Linear programming, non-linear programming, inventory analysis.

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 handling. Emphasis is on mathematical description of integrated systems and system optimization.

ESI 5522 Computer Simulation - (3) EN EGS
PR: ESI 4521 or equiv., majors only. Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

ETG 3931 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

ETG 3932 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

ETG 3933 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

ETG 4931 Special Topics in Technology I - (1-5) EN ESB
PR: CI. No credit for Engineering Majors.

ETG 4932 Special Topics in Technology II - (1-5) EN ESB
PR: CI. No credit for Engineering Majors.

ETG 4934 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

ETG 4935 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

ETG 4936 Special Topics - (1-5) EN ESB
Repeatable up to 12 credit hours.

EUH 2011 Ancient History I - HP (3) AS HTY
An introductory survey of ancient history. EUH 2011 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome.

EUH 2012 Ancient History II - HP (3) AS HTY
An introductory survey of ancient history. EUH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire. A.D. 285.

EUH 2021 Medieval History I - HP (3) AS HTY
A thematic survey of the Middle Ages. EUH 2021 deals with the early medieval period, the Carolingian era, and the development of Christian civilization in 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 treats the period from the French Revolution to the present.

EUH 3342 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 3819 Medieval Culture - (4) AS HTY
A survey of thought, culture, and art in the Middle Ages. Medieval attitudes as manifested in literature, art, philosophy, education, and religion; with emphasis upon Medieval man’s changing perception of himself and his world.

EUH 3819 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 3818 Medieval Society and Interests - (4) AS HTY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsmen, and the agrarian urban economy and society which affected their lives.

EUH 3819 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 3202 History of Nineteenth Century Europe - (4) AS HTY
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUH 3202 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 survey 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 German Empire from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

EUH 3462 German History 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 Weimar Republic, prototype of the embattled democracy.

EUH 3501 British History to 1668 - (4) AS HTY
A study of major developments in British history from the 15th century to 1668.

EUH 3502 British History 1668 to Present - (4) AS HTY
A study of the major themes of British history since the Glorious 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 - (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EUS 3022 Russia - SS HP AF (3) AS INT
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems.

EVR 2001 Introduction to Environmental Science - NS(3) AS ESP
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 Science 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. Field trips.

EVR 2861 Introduction to Environmental Policy - (3) AS ESP
An introduction to environmental policy using class lectures, student projects, and independent readings. Emphasis will be placed on understanding basic policy mechanisms and major policy actions relating to environmental issues at the local, national and international level.

EVR 4027 Wetland Environments - MW(3) AS ESP
PR: PCB 3043 or CI. Study of the general properties and ecology of wetlands, examination of the distribution and functions of wetlands, and consideration of wetland conservation and policies.

EVR 4909 Directed Readings - (1-6) AS ESP
To provide advanced students with interdisciplinary research experience in areas of specific interest.

EVR 4905 Independent Study - (1-6) AS ESP
To provide advanced students with opportunity for independent study in areas of specific interest.

EVR 4910 Environmental Science and Policy Project - (3) AS ESP
Open to senior majors only. S/U only. Environmental science project consisting of research in a field related to environmental science/environmental policy. Supervised by a faculty member. Contract and report required.

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 seniors only. Open 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 4065 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 bases. Open to majors and non-majors.

EVT 4084C Professional Development in Industrial Technical Education - (1-3) ED EDV
Designed for the ITE teacher in forming plans of professional development. Competencies include the development of a personal education philosophy; attributes in creating harmonious school/community relationships; and desirable staff and teacher qualities.

EVT 4165 Curriculum Construction: Industrial-Technical Education - (4) ED EDV
Design, development, implementation and evaluation of effective curricular materials in industrial, technical and health related occupations; includes individualized and self-paced materials. Open to majors and non-majors.

EVT 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; includes selection of techniques for situations.

EVT 4367 Assessing Student Skill in Industrial Technical Education - (4) ED EDV
Techniques for assessing student’s mastery of skills in industrial/technical education. Focuses on specific competencies including developing and administering performance tests, monitoring student process, and others. Open to majors and non-majors.

EVT 4562 Vocational Education for Special Needs Students - (4) ED EDV
Fosters the development of educational plans for students with special needs. The course will include the expansion and modernization of the curriculum, the culture of the Imperial court, peasant rebellions, social and legal reforms, the role of the West, and the collapse of the Romanov dynasty.

EVT 4651 Equity in Schools and the Workplace - 6A MW(3) ED EDV
Issues related to 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 and the faculty member. Open to majors and non-majors.

EVT 4909 Directed Study: Industrial-Technical Education - (1-3) ED EDV
PR: CI. To extend competency in teaching field.

EVT 4936 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 4940 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.
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 chair.

FIN 3233 Money and Banking - (3) BA FIN
PR: FIN 2003. Examination of 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: AGC 2071 or CI and ECO 2023. Study of the processes, decision structures, and institutional arrangements concerned with the use and acquisition of funds by a firm. Includes the measurement of the assets and liabilities 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 Financial Markets - (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 monetory theory and the formulation and administration of monetary policy.

FIN 4303 Financial Institutions and Markets - (3) BA FIN
PR: FIN 4303. A study of financial institutions and their roles in the capital markets; 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 3403. An examination of short-term financial management; i.e., policies and decisions related to managing the current operations of a firm. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.

FIN 4414 Advanced Corporation Finance - (3) BA FIN
PR: FIN 4504. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganizations.

FIN 4443 Financial Policies and Strategies - (3) BA FIN
PR: FIN 4414. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.

FIN 4461 Financial Statement Analysis - (3) BA FIN
PR: FIN 3403. Provides an understanding of the relationship between financial statements produced in accordance with GAAP and the information contained within such statements. After completing the course, the student should have a better understanding of the usefulness of published financial statements to various users in a variety of circumstances.

FIN 4504 Principles of Investments - (3) BA FIN
PR: ECO 2013 and FIN 3403. Survey of the risks and returns of investment media in relation to the investment objectives of individual and institutional investors. Includes an examination of the capital markets, information flows, and analytical techniques in terms of their impact upon the valuation process.

FIN 4514 Advanced Investment Analysis and Management - (3) BA FIN
PR: FIN 4504. A comprehensive study of security analysis and portfolio management. The course will utilize a quantitative approach to investment selection and management.

FIN 4903 Independent Study - (1-3) BA FIN
PR: CI, CC. S/U only. Specialized independent study determined by the student's needs and interests.

FIN 4915 Independent Research - (1-3) BA FIN
PR: CI. The research project will be mutually determined by the student and instructor.

FIN 4934 Selected Topics in Finance - (1-3) BA FIN
Topics to be selected by instructor and department chairperson. Students will develop technology skills and knowledge based on
FLE 4314 Methods of Teaching Foreign Languages and ESOL in the Elementary School - (5) ED EDX
PR: EDG 4620 or concurrent registration. Fluency in target language and in English. Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom.

FLE 4315 Teaching students with Limited English Proficiency - (3) ED EDX
This course is designed to prepare preprofessional teachers to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for students with Limited English Proficiency.

FLE 4316 Language Principles and Acquisition - (1-3) ED EDX
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.

FLE 4333 Methods of Teaching Foreign Languages and ESOL in the Secondary School - (5) ED EDX
PR: FLE 4314. Fluency in the target language and in English or DPR. Methods of teaching foreign languages within a communicative framework. Includes examination and practice of current instructional techniques in listening, speaking, reading and writing skills, testing, error correction, and computer assisted language instruction. The emphasis is on teaching foreign languages and teaching for cultural understanding at the secondary level.

FLE 4365 ESOL Competencies and Strategies - (1-3) ED EDX
Designed to enable participants to meet the special limitations and cultural educational needs of LEP students in content area classrooms. Designed to provide theoretical and practical foundation for ESOL competencies and strategies.

FLE 4370 Practicum in Foreign Language Teaching in the Secondary School - (3) ED EDX
PR: Required concurrently with FLE 4314 or FLE 4333. Fluency in the target language and in English. Pre-internship field experience in a K-12 environment. Will include observation and practice in a K-12 classroom as well as class meetings.

FLE 4936 Senior Seminar in Foreign Language Education - (2) ED EDX
PR: Senior standing. Required concurrently with internship. Synthesis of teacher candidate’s courses in complete college program.

FLE 4940 Internship: Foreign Language Education - (1-12) ED EDX
Internship takes Senior Seminar in Education concurrently. S/U only. One full semester of internship in a public or private school.

FOL 3100 General Foreign Language I - (1-4) AS WLE
A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or in professional translation.

FOL 4100 General Foreign Language II - (1-3) AS WLE
A general purpose course that may be used for transfer of credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or for workshops in professional interpreting.

FOL 4905 Directed Study - (1-3) AS WLE
Departmental approval required.

FOL 5906 Directed Study - (1-3) AS WLE
PR: FOL 4010 or equivalent.

FRE 1110L Beginning French I - (4) AS WLE
CR: FRE 1120L. The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

FRE 1120L Beginning French I - (4) AS WLE
CR: FRE 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

FRE 1121L Beginning French II Laboratory - (1) AS WLE
CR: FRE 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

FRE 1170 Overseas Study-French - (4) AS WLE
Departmental approval required. Elementary-level French taught in France. In lieu of FRE 1120 and FRE 1121.

FRE 2200 French III - (3) AS WLE
PR: FRE 1121 or equivalent. A review of the basic structure of French.

FRE 2201 French IV - (3) AS WLE
PR: FRE 2200 or equivalent. Readings in French on the intermediate level.

FRE 2240 Conversation II - (3) AS WLE
PR: FRE 2241 or equivalent proficiency. Conversation practice with concentration on current idiomatic usage.

FRE 2241 Conversation I - (3) AS WLE
PR: FRE 1121. For development of basic conversational skills.

FRE 2270 Overseas Study-Intro. French - (1-6) AS WLE
PR: Two semesters of university-level French or equivalent proficiency. Departmental approval required.

FLE 3230 Reading in French Literature and Culture - (3) AS WLE
PR: FRE 2201 or equivalent. This course is designed to build reading skills in French while giving students a broad background in French culture.

FRE 3420 Composition I - (3) AS WLE
PR: FRE 2200 and/or FRE 2201. A fundamental composition course in French. Open only to students who have completed FRE 2200 and/or 2201.

FRE 3440 French For Business - (3) AS WLE
PR: FRE 2200 or equivalent. An introduction to the French language in ordinary business transactions.

FRE 4170 Overseas Study - (1-6) AS WLE
Departmental approval required. An intensive study-travel project in France.

FRE 3500 French Civilization - (3) AS WLE
Readings and discussions on the cultural history of France.

FRE 3502 The Francophone World - (3) AS WLE
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.

FRE 4392 African Images in Francophone Film - HP AF SS MW(3) AS WLE
This is a film based course and technologically enhanced course which will look at cultural, socio-economic, political and gender issues in French speaking Africa. Course materials will be available in English and French.

FRE 4421 Composition II - (3) AS WLE
Continuation of French composition. This course is designed to follow FRE 3420.

FRE 4471 Advanced Overseas Study - (1-6) AS WLE
PR: FRE 3470 or CI. Departmental approval required. Intensive language study in France.

FRE 4700 French Linguistics - (3) AS WLE
PR: LIN 3010 and FRE 2201 or equivalent. An introduction to the phonological, morphological and syntactic structure of French.

FRE 4905 Directed Study - (1-3) AS WLE
Departmental approval required.

FRE 4930 Selected Topics - (1-3) AS WLE
Study of an author, movement or theme.

FRE 5425 Advanced Written Expression - (3) AS WLE
PR: FRE 4421, or equivalent. Course is designed to give advanced training in free composition in French.

FRE 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 - SC LA (3) AS WLE
A survey of the major literary works of France, tracing not only literary but intellectual and cultural history from the Middle Ages to the present.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 4100</td>
<td>The French Novel - MW (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>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.</td>
</tr>
<tr>
<td>FRW 5222</td>
<td>Classical Prose and Poetry - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4101. Emphasis on Malherbe, Descartes, Pascal, La Fontaine, and Boileau.</td>
</tr>
<tr>
<td>FRW 5268</td>
<td>The 20th Century Novel - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4100. Proust, Gide, Maupassant, Malraux, Camus, Robbe-Grillet.</td>
</tr>
<tr>
<td>FRW 5314</td>
<td>Classical Drama - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4101. Corneille, Moliere, and Racine.</td>
</tr>
<tr>
<td>FRW 5415</td>
<td>Literature of the Middle Ages - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.</td>
</tr>
<tr>
<td>FRW 5545</td>
<td>Literature of the Renaissance - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4100 or FRW 4101. A study of Renaissance French humanism including Rabelais, Montaigne, and Pleide poets.</td>
</tr>
<tr>
<td>FRW 5545</td>
<td>18th Century Literature - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4100. The classical tradition and the new currents of thought in the Age of Enlightenment.</td>
</tr>
<tr>
<td>FRW 5555</td>
<td>Romanticism and Early Realism - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4101. A study of the romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo, and Balzac.</td>
</tr>
<tr>
<td>FRW 5556</td>
<td>Naturalism and Realism - (3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: FRW 4100 or FRW 4101. A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, and Balzac.</td>
</tr>
<tr>
<td>FRW 5594</td>
<td>Selected Topics - (1-3) AS WLE</td>
<td>3</td>
<td>GEB</td>
<td>PR: Upper-level or graduate standing. Study of an author, movement or theme.</td>
</tr>
<tr>
<td>GEA 4131C</td>
<td>Remote Sensing of the Environment - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>CR: GEO 3140C and GEO 3164C, or CI. An introduction to satellite images and aerial photographs for studies of the environment.</td>
</tr>
<tr>
<td>GEA 4131C</td>
<td>Basic Geographic Information Systems - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3140C and GEO 3164C, or CI. Introduction to the concepts underlying Geographical Information Systems, with an emphasis on analytical capabilities of such systems in both raster and vector domains.</td>
</tr>
<tr>
<td>GEA 4131C</td>
<td>Advanced Physical Geography - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3013 or CI. Intensive study of a topic selected from physical geography.</td>
</tr>
<tr>
<td>GEB 4905</td>
<td>Independent Study - (1-3) BA GBA</td>
<td>3</td>
<td>GEB</td>
<td>PR: CI. S/U only. Specialized independent study determined by student's needs and interests.</td>
</tr>
<tr>
<td>GEB 4915</td>
<td>Independent Research - (1-4) BA GBA</td>
<td>4</td>
<td>GEB</td>
<td>PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and the instructor.</td>
</tr>
<tr>
<td>GEB 4935</td>
<td>Selected Topics in Business Administration - (1-4) BA GBA</td>
<td>3</td>
<td>GEB</td>
<td>The content and organization of this course will vary according to the current interests of the faculty and needs of students.</td>
</tr>
<tr>
<td>GEO 1300</td>
<td>Geography of Current Events - SS(4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>Application of basic geographic principles of the analysis of contemporary events in various parts of the world.</td>
</tr>
<tr>
<td>GEO 2041C</td>
<td>Map Interpretation - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>Analysis and synthesis of various types of maps and map projections.</td>
</tr>
<tr>
<td>GEO 2311</td>
<td>Introduction to Earth Systems Science - NS(3) AS GPY</td>
<td>3</td>
<td>GEO</td>
<td>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.</td>
</tr>
<tr>
<td>GEO 2340C</td>
<td>Introduction to Physical Geography - NS(3) AS GPY</td>
<td>3</td>
<td>GEO</td>
<td>CR: GEO 3013L. Principles of physical geography; maps, earth-sun relationships; meteorological, hydrological, pedological, aeolian, and glacial processes; and resultant landforms.</td>
</tr>
<tr>
<td>GEO 2341L</td>
<td>Introduction to Physical Geography Lab - (1) AS GPY</td>
<td>1</td>
<td>GEO</td>
<td>Laboratory portion of introduction to physical geography (GEO 3013).</td>
</tr>
<tr>
<td>GEO 314C</td>
<td>Quantitative Methods - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: 12 credit hours in Geography or Cl. Statistical analysis in geographic research.</td>
</tr>
<tr>
<td>GEO 3180</td>
<td>Digital Thematic Mapping - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>An introduction to the concepts underlying modern, computer-based mapping and to the collection and storage of digital spatial data.</td>
</tr>
<tr>
<td>GEO 3402</td>
<td>Human Geography - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>Systematic treatment of human activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.</td>
</tr>
<tr>
<td>GEO 3602</td>
<td>Urban Geography - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3402 or CI. Spatial analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.</td>
</tr>
<tr>
<td>GEO 4114C</td>
<td>Geographic Techniques and Methodology - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3141C and GEO 3164C, or CI. Selected topics in various geographic techniques and methodologies and their application.</td>
</tr>
<tr>
<td>GEO 4111C</td>
<td>Remote Sensing of the Environment - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3140C and GEO 3164C, or CI. Analysis of satellite images and aerial photographs for studies of the environment.</td>
</tr>
<tr>
<td>GEO 4151C</td>
<td>Advanced Geographic Information Systems - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3140C and GEO 3164C, or CI. An introduction to the concepts underlying Geographical Information Systems, with an emphasis on analytical capabilities of such systems in both raster and vector domains.</td>
</tr>
<tr>
<td>GEO 4201C</td>
<td>Advanced Physical Geography - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3013 or CI. Intensive study of a topic selected from physical geography.</td>
</tr>
<tr>
<td>GEO 4210</td>
<td>Process Geomorphology - (4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>PR: GEO 3013 or GY 2010 or CI. Origin, evolution, and distribution of the landforms of North America.</td>
</tr>
<tr>
<td>GEO 4244</td>
<td>Tropical Meteorology - NS(4) AS GPY</td>
<td>4</td>
<td>GEO</td>
<td>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 climateology, the El Nino and Southern Oscillation phenomenon, thunderstorms and lightning, satellite remote sensing, monsoons, circumpolar vortex and Florida climateology, surface energy exchange, land use change and its impact on tropical climates.</td>
</tr>
</tbody>
</table>
| GEO 4265   | Soil Genesis and Classification - (3) AS GPY | 3       | GEO        | PR: GEO 3013 or Cl. Introduction to the general principles that govern hydrologic processes. Approaches to hydrologic
measurements and the application of hydrologic analyses to water-resource management issues are examined.

GEO 4300 Biogeography - (4) AS GPY
PR: GEO 3013 and GEO 3164C, or CI. Analysis of the present and past distribution of species at an intermediate to large spatial scale.

GEO 4340 Natural Hazards - (4) AS GPY
PR: GEO 3164 or CI. Examination of the physical, social, economic, political, and cultural forces that create the phenomena of natural hazards. Case studies from around the world will include floods, droughts, tornadoes, hurricanes, freezes, heat waves, wild fires, earthquakes, tsunami, and volcanoes.

GEO 4472 Global Conservation - 6A MW/4) AS GPY
The distribution, exploitation, and conservation of physical and human resources, ecology.

GEO 4421 Cultural Geography - (4) AS GPY
PR: GEO 3402 or CI. The interrelationships of culture and nature, from ancient times to the present.

GEO 4470 Political Geography - M W (4) AS GPY
PR: GEO 3402 or CI. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions; geopolitics.

GEO 4502 Economic Geography - (4) AS GPY
PR: GEO 3402 or CI. The spatial organization of economic production, consumption, and exchange systems.

GEO 4604 Advanced Urban Geography - MW W (4) AS GPY
PR: GEO 4302, GEO 3602, or CI. Intensive examination of issues such as economic restructuring and inner-city decline, gentrification, and the formation, transformation, and policy-making.

GEO 4700 Transportation Geography - (4) AS GPY
PR: GEO 4302 and GEO 3164 or CI. General concepts related to the movement of goods and people, with particular emphasis on spatial principles and urban transportation problems and planning.

GEO 4900 Directed Reading - (1-4) AS GPY
PR: 20 hours in geography and CI prior to registration.

GEO 4910 Individual Research - (1-4) AS GPY
PR: 20 hours in geography and CI prior to registration.

GEO 4933 Geography Colloquium - (1) AS GPY
PR: Senior standing in geography weekly topical lectures by faculty and outside speakers. Students will develop a plan for their professional or graduate careers.

GEO 5134C Advanced Remote Sensing - (3) AS GPY
PR: GS in Geography or CI. GEO 4124C. Study of digital image processing techniques. Topics include filtering techniques, geometric and radiometric normalization, and classification algorithms with emphasis on developing.

GEO 5157 Advanced Geographic Information Systems - (3) AS GPY
PR: GS in Geography or CI. Spatial problem solving utilizing GIS mapping and statistical methods. The course is designed to give students hands-on experience in using computerized techniques for geographic analysis.

GEO 5177 GIS for Non-Majors - (3) AS GPY
An introduction to the concepts underlying digital thematic mapping and geographical information systems (GIS) for non-geography majors and non-geography graduate students.

GEO 5215 Advances in Geomorphology - (3) AS GPY
PR: GEO 4372 or CI. Advanced examination of geomorphic processes and landforms with an emphasis on Florida.

GEO 5260S Advances in Soils - (3) AS GPY
PR: GEO 4372 or CI. Examination of how earth systems influence soil formation and variation. Details analysis of soils' clines, seasonal and long-term changes, toposequences, lithosequences, and anthroposequences.

GEO 5288 Hydrological Systems - (3) AS GPY
PR: GEO 4372 or CI. A systematic approach to hydrology using the drainage basin as the fundamental unit of analysis is used to explore forms and process while modeling streamflows.

GEO 5347 Advances in Natural Hazards - (3) AS GPY
PR: GEO 4372 or CI. Analysis of natural hazards integrating principles of physical, social, economic, political, and technical forces that affect extreme geophysical events.

GEO 5475 Advanced Political Geography - (3) AS GPY
PR: GEO 4470 or CI. Advanced investigation of geopolitical issues including: the human construction of territoriality, ethnic relations, the making of nation and state, the geopolitics of localities, and environmental policy making.

GEO 5545 Advanced Economic Geography - (3) AS GPY
PR: GEO 4502 or CI. An intensive examination of selected issues in economic geography including: regional development and decline; spatial labor market trends; business locational analysis; and comparative economic policy.

GEO 5505 Contemporary Urban Issues - (3) AS GPY
PR: GEO 3602; GEO 4604; or CI. Advanced survey of urban issues such as: industrial restructuring and urban development, inner-city ethnic relations, the geopolitics of urban governance, and urban culture.

GEO 5704 Advanced Transportation Geography - (3) AS GPY
PR: GEO 4114; GEO 4700; or CI. Review of transportation issues and analysis, focusing on modeling and planning for flows of goods and people. Provides a hands-on approach to use of GIS for such analysis.

GER 1120 Beginning German I - (4) AS WLE
CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing German.

GER 1120L Beginning German I Laboratory - (1) AS WLE
CR: GER 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GER 1121 Beginning German II - (4) AS WLE
PR: GER 1120 or equivalent. CR: GER 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing German.

GER 1121L Beginning German II Laboratory - (1) AS WLE
CR: GER 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

GER 2200 German III - (3) AS WLE
PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.

GER 2201 Beginning German IV - (3) AS WLE
PR: GER 1121 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.

GER 2202 German IV - (3) AS WLE
PR: GER 1121. For development of basic conversational skills.

GER 3420 Composition I - (3) AS WLE
A fundamental course for students who have completed GER 2200 or GER 2201.

GER 3440 German for Business and International Trade - (3) AS WLE
PR: GER 2200, or CI. An introduction to the German language in the context of business transactions.

GER 3500 German Civilization - (3) AS WLE
PR: GER 2200 or GER 2201. Readings in German in the cultural history of Germany.

GER 4410 Conversation II - (3) AS WLE
Free conversation based on the current German idiom.

GER 4421 Composition II - (3) AS WLE
Practical training in modern German usage and differences in style.

GER 5605 Goethe - (3) AS WLE
Selected novels, poems: Werther, Wahlverwandtschaften, Wilhelm, Meister, Westöstlicher, Divan.

GER 5845 History of the German Language - (3) AS WLE
A diachronic approach to the study of the German language. The course traces the history and development of the language from Indo-European through Germanic, Old, Middle, and New High German.

GET 3100 German Literature in English Translation - MW (3) AS WLE
Analysis and interpretation of selected major works of German literature, to be read in English, with regard to their content, relevance to the present, and cultural context.

GEW 4100 Survey of German Literature I - (4) AS WLE
Old High German and Middle High German literature in modern German translation; the literature of Humanism and Baroque, the Enlightenment.

GEW 4101 Survey of German Literature II - (4) AS WLE
The romantic period, 19th and 20th centuries.

GEW 4900 Directed Study - (1-3) AS WLE
Departmental approval required.

GEW 4930 Selected Topics - (1-3) AS WLE
Study of an author, movement or theme.

GEW 5423 20th Century Literature to 1945 - (3) AS WLE
A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Trel, Thomas Mann, Hesse, Kafka, Bern, Brecht.
GEY 4401 Research Methods in Gerontology - (3) AS GEY
PR: STA 2122 or equivalent with a grade of C or better. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, and preparation of reports.

GEY 4608 Alzheimer’s Disease Management - (3) 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 by patients are presented along with strategies for successful behavior management. Building a dementia program and building dementia care teams are also covered.

GEY 4612 Psychology of Aging - SS (3) AS GEY
A comprehensive overview of psychological aspects of aging. Topics will include age-related changes in sensation/perception, cognition, and personality, as well as application to late-life psychopathology.

GEY 4628 Minority Aging - SS (3) AS GEY
Minority status, race, and ethnicity are socially constructed concepts that reflect our society’s value systems, prejudices, and social stratification. This course, which in not restricted to minorities, nor repeatable for credit, will explore these concepts through a life course and political economy perspective.

GEY 4635 Business Management in an Aging Society - XMW (3) AS GEY
This course provides interested students with an interdisciplinary perspective that addresses both business management and the impact of our aging society on business.

GEY 4641 Death and Dying - SS (3) AS GEY
A broad overview of the concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.

GEY 4647 Ethical and Legal Issues of Aging - SS MW (3) AS GEY
A consideration of the major ethical and legal issues in aging and their implications for policies, priorities, and services.

GEY 4900 Directed Readings - (1-3) AS GEY
PR: CI. A reading program with topics in gerontology conducted under the supervision of a faculty member.

GEY 4935 Special Topics in Gerontology - (3) AS GEY
Courses on topics such as preretirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered.

GEY 4945 Field Placement - (1-9) 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).

GEY 5620 Sociological Aspects of Aging - (3) AS GEY
Examinations, within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social system and its major institutionalized subsystems.

GEY 5630 Economics and Aging - (3) AS GEY
Examinations basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security and other support systems.

GEY 5642 Perspectives on Death and Dying - (3) AS GEY
Study of the various psychological, medical, legal, and religious problems caused by dying and death, and how individuals and groups have responded in the past and present.

GLY 2000 Earth and Environmental Systems - NS (3) AS GLY
May substitute for GLY 2010 for geology majors. This course introduces the geology of the earth and the environment, using an earth systems approach that looks at interactions between the lithosphere, hydrosphere, atmosphere, 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 course; taught via internet and TV.

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. Lab (field). 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 2050 Introductory Geology: Planet Earth - (3) AS GLY
An examination of geologic materials and processes designed toward the geology major, or for those with credit for GLY 2010. Study of the cosmos, origin of the universe, galaxies, the solar system, and earth, evolution of life, great extinction’s including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.)

GLY 2050 Science, Earth and Life - NS(3) AS GLY
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, extinction of the dinosaurs (e.g., evolution), but also from physics and astronomy. Consideration of social relevance of science.

GLY 2100 History of the Earth and Life - NS(3) AS GLY
PR: At least one 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 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. Required for Geology majors. A comprehensive introduction to the nature of all geologic systems and/or geologic origins of specific regions. Emphasis will be on: formation and classification of sedimentary rock, and the sedimentary rock record. Examination of the rock record to solve problems in sedimentary geology.

GLY 3610C Introduction to Invertebrate Paleontology - (4) AS GLY
PR: GLY 2100, BSC 2010 or equivalent strongly encouraged as prerequisite. Introduction to numerical and analytical models of ground water flow. Lec.-lab.-field trips.

GLY 3720C The Fluid Earth - (4) AS GLY
PR: GLY 2015L; MAC 2311 and MAC 2312 or equivalent; CHM 2683; PHY 2046 and PHY 2048L. Physical, chemical and biological processes affecting fluids of the lithosphere, oceans and atmosphere. Water as a geologic medium and global entity. A systems approach. Not available as S/U for geology majors.

GLY 3850 Geology For Engineers - (3) AS GLY
PR: Junior standing in College of Engineering or CI. No credit toward the geology major, or for those with credit for GLY 2010. An examination of geologic materials and processes designed for engineering students; classification and properties of earth materials, surface processes, site investigation techniques, applications of geology to the solution of engineering problems.

GLY 4045 Moons, Planets, and Meteors: An Introduction to Planetary Science - XM/W (3) AS GLY
PR: Junior standing. Students with prior participation in Stern's celestial navigation course, from Aristotle to NASA. Modern views on the origins of meteorites, the Moon, Mars, Venus, and other planetary bodies, and the methods of planetary study. Models of the Sun and solar system. 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
PR: 4 hrs. introductory geology including GLY 2015L; MAC 2312 or equivalent. Required for Geology majors; open to non-majors. The intersection of geology and math. Calculations and error analysis.

GLY 4454C Sedimentary Record 2: The Earth’s Surface - (4) AS GLY
PR: At least one course in Geology with lab. Principles of weathering, erosion, production, and transport of sediment on the earth’s surface, and the resulting geomorphology. Modern sedimentary environments and the process-response systems that govern them. Course is open to anyone with at least one course in geology with lab. Course is not available on an S/U basis for geology majors; it is for other majors.

GLY 4644E Teaching Experience - (1) AS GLY
PR: Senior standing, declared geology major and at least 12 credit hours of geology course, or CI. This Practical and Applied Geology course is linked to a geology lab in which you will be assisting to teach students. In the class we will look at learning styles, teaching techniques, and testing techniques.

GLY 4734 Beaches and Coastal Environments - W(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 course geology. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field study 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, rifing and hominid evolution, and mining and politics.

GLY 4822C Fluid Earth 2: Hydrogeology - (4) AS GLY
PR: GLY 2015L, GLY 3720C, PHY 2048, MAC 2281. Course is open to anyone with at least one course in geology. An 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 supervision of department prior to registration. S/U only. Individual experimental investigations with faculty supervision.

GLY 4920 Geologic Colloquium - (1) AS GLY
PR: Senior standing in Geology. S/U only. Weekly topical lectures by faculty, graduate students and invited speakers.

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, anthropological, environmental science, and policy. Course is not available on a S/U basis for geology majors.

**GLY 4930 Selected Topics in Geology - (1-4) AS GLY**
Each topic is a course under the direction of a faculty member. Each topic is a course under the direction of a faculty member. Course is available on a S/U basis. Departmental approval required.

**GLY 4936L Practical and Applied Geology: Teaching Experience - (1) AS GLY**
Pre: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses. Course is available on a S/U basis. Departmental approval required.

**GLY 4940L Practical and Applied Geology: Field Experience - (1) AS GLY**
Pre: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses. Course is available on a S/U basis. Departmental approval required.

**GLY 4949L Practical and Applied Geology: Computational Experience - (1) AS GLY**
Pre: Junior standing, declared Geology major, and at least 12 credit hours of Geology courses. Course is available on a S/U basis. Departmental approval required.

**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 public presentation.

**GLY 5752 Geologic Field Excursion - (2) AS GLY**
Excursions to study regional geology, structure 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 5865 Statistical Models in Geology - (3) AS GLY**
Pre: STA 2023 or equivalent or CL. Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geological distributions, and application of analyses of variance to solving geological problems. Lec.

**GLY 5932 Selected Topics in Geology - (1-4) AS GLY**
Pre: Senior or advanced junior standing. Each topic is a course under the direction of a faculty member. Each area of geology included.

**GRA 2206C Typography - (3) VP ART**
Restricted to majors. This foundational course explores the structure of letter forms and lettering. This course provides information about the importance of type in the context of graphic design and application for printed and electronic media.

**GRA 3104 Computer Graphics - (3) VP ART**
Restricted to majors. This course is the continuation of Graphic Design I. The coursework emphasizes the utilization of electronic media for visual problem solving. Students will increase their skill with web-based design and photo-editing software.

**GRA 3110 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 3735 Multimedia Systems I - (3) VP ART**
Restricted to majors. This course introduces multimedia systems and their use as tools in digital multimedia. Content covers all key hardware, navigation, and operating components.

**GRA 4930C Graphic Design: Senior Studio - (3) VP ART**
Restricted to majors. Advanced problems in graphic design, advertising, and multimedia visual communication systems will be discussed and assigned as projects. Focus is upon efficient and effective use of technology in the design production process.

**GRA 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 production, and self-promotional skills.

**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**
Pre: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

**GRE 2040 New Testament Greek I - (4) REL**

**GRE 2041 New Testament Greek II - (4) REL**

**GRE 2200 Intermediate Classical Greek - (4) AS WLE**
Pre: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

**GRK 1120 Beginning Modern Greek I - (4) AS WLE**
CR: GRK 1121L. An intensive study of basic skills; pronunciation, listening comprehension, and some composition. May be repeated for credit.

**GRK 1121L Beginning Modern Greek II - (4) AS WLE**
CR: GRK 1121. An intensive study of basic skills; pronunciation, listening comprehension, and some composition. May be repeated for credit.

**GRK 1120L Beginning Modern Greek I Laboratory - (1) AS WLE**
CR: GRK 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory 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.

**GRK 1121L Modern Greek II Laboratory - (1) AS WLE**
CR: GRK 1121L. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to give students experience in teaching geology. Topics vary widely, with several different offerings each semester. May be repeated for credit.

**GRK 1120L Modern Greek I Laboratory - (1) AS WLE**
CR: GRK 1120. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory 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.

**GRK 1121L Modern Greek II Laboratory - (1) AS WLE**
CR: GRK 1121L. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

**GRK 1120 Intermediate Modern Greek - (4) AS WLE**
Pre: GRK 1121 or its equivalent. For language students who intend to attain basic proficiency.

**GRK 2041 Modern Greek IV - (4) AS WLE**
Pre: GRK 2040 or its equivalent. For students who intend to achieve intermediate level proficiency.

**GRK 4905 Directed Study - (1-5) AS WLE**
Departmental approval required. S/U only. Permits study options in Modern Greek not available in the regularly scheduled curriculum at departmental discretion.

**GRK 4930 Selected Topics - (1-5) AS WLE**
Departmental approval required. Course permits classes in Modern Greek not available in the regularly scheduled curriculum at 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: HBR 1120L. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

**HBR 1121 Modern Hebrew II - (4) AS WLE**
Pre: 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 1121L. 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.
HFT 2200 Modern Hebrew III - (4) AS WLE
PR: HBR 2200 or the equivalent. For language students who intend to attain basic proficiency.

HFT 2201 Modern Hebrew IV - (4) AS WLE
PR: HBR 2200 or the equivalent. Continuation of HFT 2200. Practice of reading, speaking and listening skills for language students who intend to attain basic proficiency.

HFT 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.

HFT 3000 Introduction to Hospitality and Tourism - (3) US HRM
An overview of the hospitality industry, including all of its related fields: restaurant; lodging; meetings, conventions and expositions. Also featured are the applications of the general marketing, human resources, leadership, and management.

HFT 3221 Restaurant and Catering Management - (3) US HRM
PR: HFT 3424, FSS 3220 Management of food and beverages as they relate to planning, production, supervision and cost control in restaurants and catering food services, with emphasis on techniques of food preparation, menu merchandising, food safety, bar services and wine list.

HFT 3423 Hospitality Information Systems - (3) US HRM
PR: ISM 3011, HFT 3000 The study of management information systems in the hospitality management industry. The students will evaluate software and hardware computer systems and application software being used in the hospitality industry and develop selection strategies.

HFT 3424 Cost Control in Hospitality Operations - (3) US HRM
PR: HFT 3000, FIN 3403, MAN 3025 Provides students with a thorough understanding of hospitality financial accounting concepts. The emphasis of the course is to use accounting information in making managerial decisions and to prepare and understand hospitality financial statements.

HFT 3503 Hotel Marketing and Sales - (3) US HRM
PR: MAR 3023 Principles of marketing and sales and practical application in hospitality marketing philosophies; the marketing mix; product differentiation; corporate travel market; and the association, convention, and trade show market.

HFT 3603 Law and Security for the Hospitality Industry - (3) US HRM
PR: HFT 3000 Functions of the law, legal environment and legal reasoning. An overview of the security issues in the hospitality industry. The law pertaining to contracts, workmen’s comp and the impact of law on economic enterprise in the hospitality industry.

HFT 4221 Human Resources Management - (3) US HRM
PR: HFT 3000, MAR 3023 Designed to educate new managers and supervisors in the complex issues involved in a comprehensive human resource program and its importance to hotel and restaurant business. Workmen’s Compensation, ADA, training, unions, EEO and discrimination issues.

HFT 4253 Lodging Management - (3) US HRM
PR: HFT 3000, MAN 3025 Principles, practices, and procedures of managerial functions as they relate to the operation of hotels. Training, conflict resolution, total quality management, crisis management, employee empowerment and service standards are focus of team building.

HFT 4323 Facilities Management in Hospitality Operations - (3) US HRM
PR: HFT 3000 Engineering aspects of hospitality establishments, preventive maintenance procedures, energy conservation, waste management, pollution control, life safety systems, and facilities design and layout, air conditioning lighting, sound control.

HFT 4347 Management Accounting and Finance in Hospitality - (3) US HRM
PR: FIN 3403, HFT 3000, HFT 3424 Financial functions in hospitality, interpret hospitality financial statements, capital investment decision making, financial instruments and concepts. Analytical modeling for hospitality operations, including ratio analysis and capital budgeting tools.

HFT 4930 Special Topics in Hospitality - (1-3) US HRM
PR: HFT 3000 Topics to be selected by instructor and department chairperson for pertinent Hospitality Management issues.

HFT 4945 Advanced Internship - (3) US HRM
PR: HFT 3000 Coordinated hospitality training combines practical experience with didactic academic analysis. Principles, theory and standard practices applied to operational situations.

HIS 2931 Special Topics - (2-4) AS HTY
This course emphazises a selected historical problem or issue. A variety of instructional approaches will be taken, and topics may vary.

HIS 3308 War and Society - M/W (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 in 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 - M/W (3) AS HTY
This course provides an introduction to the disciplines of history by examining a specific historical issue in 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, growth and developmental needs of children so that they may best plan and conduct safe and healthy learning experiences. They also learn the role of the classroom teacher in the total school health program by providing health services, healthy environments and health instruction.

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 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 risk-taking activities as well as a psychosocial and cultural view of antecedent behaviors.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HSC 2933</td>
<td>Selected Topics in Public Health - (1-6) PH PHC</td>
<td>Overview of major public health and health related issues of interest to undergraduates. Course explores a variety of health topics that are related to improving the health and health behaviours of individuals, groups and communities. Specific topics may vary each semester. Note: no prerequisites. Majors and non-majors may be repeated for up to 6 credits.</td>
</tr>
<tr>
<td>HSC 3301</td>
<td>Health, Safety, Nutrition and Motor Skills for the Young Child - (3) ED EDP</td>
<td>Provide students with the knowledge to teach developmentally appropriate motor activities; to provide continuous health services; and to maintain a healthy learning environment; and sequence appropriate health instruction for Pre-K through 3rd grade students.</td>
</tr>
<tr>
<td>HSC 4541</td>
<td>Human Structure and Function - (3) PHF</td>
<td>PR: Fundamentals of Biology/Lab or CI. Major concepts of the structure and function of the human body systems and methods by which these concepts may be taught.</td>
</tr>
<tr>
<td>HSC 4554</td>
<td>Survey of Human Diseases - (3) PHF</td>
<td>PR: Fund. of Biology with Lab or CI. An overview of the nature, types, and mechanisms of diseases of the major body systems.</td>
</tr>
<tr>
<td>HSC 4933</td>
<td>Special Topics in Public Health - (1-6) PH PHC</td>
<td>PR: CI. Content will be governed by student demand and instructor interest.</td>
</tr>
<tr>
<td>HSC 5319</td>
<td>Problems of School Age Population - (3) PHF</td>
<td>Study of health problems and needs of school age students, including a health status screening laboratory.</td>
</tr>
<tr>
<td>HUM 1020</td>
<td>The Arts - FA (3) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 2211</td>
<td>Studies in Culture: The Classical Through Medieval Periods - HP (3) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 2243</td>
<td>Studies in Culture: The Renaissance Through the Twentieth Century - HP (3) AS HUM</td>
<td>A historical survey of the visual arts, literature, music and thought of Europe from the Renaissance through the Twentieth century. Issues to be examined may include the relationship between science and the arts and the consequences of the growing contacts among world civilizations and the impact of technological change.</td>
</tr>
<tr>
<td>HUM 2930</td>
<td>Selected Topics - (1-4) AS HUM</td>
<td>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).</td>
</tr>
<tr>
<td>HUM 3251</td>
<td>Studies in Culture: The Twentieth Century - HP (3) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 3271</td>
<td>Eastern and Western Culture from Antiquity to 1400- AF (3) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 3273</td>
<td>Eastern and Western Culture Since 1400 -AF (3) AS HUM</td>
<td>A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from the Renaissance through the present, emphasizing Europe, the United States, and India.</td>
</tr>
<tr>
<td>HUM 3395</td>
<td>Themes in Humanities - (3) AS HUM</td>
<td>PR: HUM 2211 or HUM 2243 A course emphasizing the analysis of primary works in relation to cultural contexts, the integration of secondary sources, and the construction of a written argument. Not restricted to majors.</td>
</tr>
<tr>
<td>HUM 3930</td>
<td>Selected Topics in Humanities - (1-4) AS HUM</td>
<td>Courses offered under this number will always be interdisciplinary, treating one or more 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.</td>
</tr>
<tr>
<td>HUM 4402</td>
<td>Humanities in India - (4) AS HUM</td>
<td>PR: Sophomore standing or CI. Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.</td>
</tr>
<tr>
<td>HUM 4404</td>
<td>Humanities in China - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4406</td>
<td>Humanities in Japan - (4) AS HUM</td>
<td>PR: Sophomore standing or CI. Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other Japanese philosophy-religions; Western influences on twentieth century Japanese arts and letters.</td>
</tr>
<tr>
<td>HUM 4433</td>
<td>Ancient Greek Culture - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4437</td>
<td>Italian Renaissance Culture - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4438</td>
<td>Northern Renaissance Culture - (4) AS HUM</td>
<td>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.</td>
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<tr>
<td>HUM 4440</td>
<td>Arts and Letters in the 17th and 18th Centuries - (4) AS HUM</td>
<td>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.</td>
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<tr>
<td>HUM 4442</td>
<td>Arts and Letters of the Romantic Period - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4444</td>
<td>Nineteenth Century European Arts and Letters - (4) AS HUM</td>
<td>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.</td>
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<tr>
<td>HUM 4445</td>
<td>Twentieth Century Arts and Letters I - (4) AS HUM</td>
<td>PR: Sophomore standing or CI. Analysis of selected works of twenty century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.</td>
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<tr>
<td>HUM 4446</td>
<td>Twentieth Century Arts and Letters II - (4) AS HUM</td>
<td>PR: Sophomore standing or CI. Analysis of selected works of twenty century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.</td>
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<tr>
<td>HUM 4452</td>
<td>Nineteenth Century American Culture - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4464</td>
<td>Latin American Culture Since 1492 - (4) AS HUM</td>
<td>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.</td>
</tr>
<tr>
<td>HUM 4900</td>
<td>Selected Study - (1-4) AS HUM</td>
<td>PR: CI. Specialized individual study determined by the student's needs and interests.</td>
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<tr>
<td>HUM 4909</td>
<td>BIS Humanities, Independent Study - (15) AS BIS</td>
<td>PR: CI. Specialized individual study determined by the student's needs and interests.</td>
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<tr>
<td>HUM 4930</td>
<td>Selected Topics in Humanities - (1-4) AS HUM</td>
<td>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; course may be repeated for credit with change of content.</td>
</tr>
<tr>
<td>HUM 4931</td>
<td>Seminar in Humanities - 6A (4) AS HUM</td>
<td>PR: Humanities major or CI; Senior standing. Discussion of interdisciplinary humanities. Includes essay.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>IDH 4938</td>
<td>Major Issues in the Humanities - MW (3) AS HUM</td>
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<tr>
<td>HUM 4930</td>
<td>Selected Topics - (1-4) HC HON</td>
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<tr>
<td>IDH 4200</td>
<td>Geographical Perspectives Honors - (3) HC HON</td>
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<td>HUN 2201</td>
<td>Nutrition - (3) NU NUR</td>
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<td>IDH 2930</td>
<td>Selected Topics - (1-4) HC HON</td>
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<tr>
<td>HUM 4940</td>
<td>Discovery: People, Processes and Problems - (3) HC HON</td>
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<tr>
<td>IDH 2660</td>
<td>Acquisition of Knowledge - (3) HC HON</td>
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<tr>
<td>IDH 2933</td>
<td>Selected Topics - (3) NU NUR</td>
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<td>IDH 3350</td>
<td>Natural Sciences Honors - (3) HC HON</td>
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<tr>
<td>HUM 4931</td>
<td>Social and Behavioral Sciences Honors - (3) HC HON</td>
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<tr>
<td>IDH 3600</td>
<td>Seminar in Applied Ethics - (3) HC HON</td>
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<tr>
<td>IDH 4000</td>
<td>Honors Program Seminar: Major Works/Majors Issues - (4) HC HON</td>
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<tr>
<td>IDH 4200</td>
<td>Geographical Perspectives Honors - (3) HC HON</td>
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<td>IDH 4930</td>
<td>Selected Topics - (1-4) HC HON</td>
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<tr>
<td>IDH 4910</td>
<td>Undergraduate Research - (1-4) HC HON</td>
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<tr>
<td>IDH 4930</td>
<td>Selected Topics - (1-4) HC HON</td>
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<tr>
<td>IDH 4970</td>
<td>Honors Thesis - (3) HC HON</td>
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<tr>
<td>IDS 2664</td>
<td>Social Science Perspectives I - SS(3) AS IAS</td>
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<td>IDS 2665</td>
<td>Social Science Perspectives II - SS(3) AS IAS</td>
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<tr>
<td>IDS 2666</td>
<td>Historical Perspectives I - HP(3) AS IAS</td>
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<tr>
<td>IDS 2931</td>
<td>Selected Topics - HP(2-5) AS IAS</td>
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<tr>
<td>IDS 2932</td>
<td>Selected Topics - HP(3) AS IAS</td>
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<tr>
<td>IDS 2933</td>
<td>Selected Topics III - SS(3) AS IAS</td>
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<tr>
<td>IDS 3150</td>
<td>Arts/Humanities Honors - (1-3) HC HON</td>
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<td>IDS 3350</td>
<td>Natural Sciences Honors - (3) HC HON</td>
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<td>IDS 3400</td>
<td>Social and Behavioral Sciences Honors - (3) HC HON</td>
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<td>IDS 3600</td>
<td>Seminar in Applied Ethics - (3) HC HON</td>
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<tr>
<td>IDS 4000</td>
<td>Honors Program Seminar: Major Works/Majors Issues - (4) HC HON</td>
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<td>IDS 4200</td>
<td>Geographical Perspectives Honors - (3) HC HON</td>
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<td>Undergraduate Research - (1-4) HC HON</td>
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<td>IDS 4930</td>
<td>Selected Topics - (1-4) HC HON</td>
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<tr>
<td>IDS 4970</td>
<td>Honors Thesis - (3) HC HON</td>
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<tr>
<td>IDS 5150</td>
<td>Values and Choices - 6A MW(3) ED EDF</td>
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<tr>
<td>IDS 3146</td>
<td>Scientific and Ethical Dimensions of Human Disease - MW(3) AS IAS</td>
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<tr>
<td>IDS 3165</td>
<td>Arts Connections - FA(3) VP FAI</td>
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<tr>
<td>IDS 3663</td>
<td>Critical Issues Affecting the Arts - MW(3) VP FAI</td>
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<tr>
<td>IDS 3668</td>
<td>Images of Contemporary Urban Culture - 6A LW(3) AS</td>
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</tbody>
</table>

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 topic will be studied. Available to majors and non-majors.

A structured, out-of-class learning experience providing firsthand, practical training in Humanities-related professional careers in the community. Restricted to Humanities majors. Repeatable up to 4 credit hours.

A course 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.

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.

An exploration of current knowledge concerning fundamental principles in the Sciences, their potential for application and attendant ethical and philosophical questions.

An 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 organized.

A course explores topical issues related to selected topics such as Ethics of Technology, Ethics in Business, Bio-Medical Ethics, Personal Ethics Development.

An introduction to African, Latin American, Middle Eastern, or Asian perspectives focusing on social, political and material will be presented within a geographical, chronological, and financial factors which impact Art, Dance, Music, and Theatre.

An interdisciplinary perspective of the biological basis of human disease combined with critical thinking and medical ethics. Basic concepts of human disease are integrated with bioethical dimensions of patient choice, physician responsibility and current health care issues.

An in-depth examination of values and their relationship to choices in contemporary society using historical perspective and inquiry of moral/ethical dilemmas. Available to majors or non-majors.

An interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Artists from the four disciplines will provide weekly presentations centered around areas and issues that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping our perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

A discussion-based examination of the debate will be studied. Available to majors and non-majors.

A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

An in-depth examination of values and their relationship to choices in contemporary society using historical perspective and inquiry of moral/ethical dilemmas. Available to majors or non-majors.

Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

Selected topics in the Liberal Arts. A basic introduction to the substance and theory of contemporary topics in the arts and sciences.

An interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Artists from the four disciplines will provide weekly presentations centered around areas and issues that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping our perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

A discussion-based examination of cultural trends, educational policies, governmental regulations, and financial factors which impact Art, Dance, Music, and Theatre.

An interdisciplinary perspective of the biological basis of human disease combined with critical thinking and medical ethics. Basic concepts of human disease are integrated with bioethical dimensions of patient choice, physician responsibility and current health care issues.

An interdisciplinary course to the arts disciplines of music, dance, theatre, and art. Artists from the four disciplines will provide weekly presentations centered around areas and issues that have formed the basis of their creative research. Influences of diversity, new technologies and community and public arts will be explored. This course will introduce students to the role the arts play in shaping our perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

A discussion-based examination of cultural trends, educational policies, governmental regulations, and financial factors which impact Art, Dance, Music, and Theatre.

An interdisciplinary perspective of the biological basis of human disease combined with critical thinking and medical ethics. Basic concepts of human disease are integrated with bioethical dimensions of patient choice, physician responsibility and current health care issues.
IDS 3949 Cooperative Education - (0) US COE
60 hours of academic credit; acceptance in Cooperative Education Program. S/U only.

IDS 4910 Community Research - (1-4) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community related research experience.

IDS 4942 Community Internship - (1-4) AS CEL
PR: CEL Program approval. Repeatable up to 8 credit hours. To provide students with a community internship experience.

IDS 4949 Cooperative Education, Alternating - (0) US COE
PR: 45+ semester hours completed, cumulative GPA 2.5+ and accepted in Cooperative Education Program. S/U only. Full-time (40 hrs/wk) paid, career-related work experience, on-site with an employer.

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 credits.

IDS 4990 BIS Inter-Area Studies - (30) AS BIS
PR: ISS 4909, ISS 4939, ISC 4909, ISC 4939, HUM 4909, HUM 4939, S/U only.

INP 4004 Industrial Psychology - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, 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 INT
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 - M W (3) AS INT
A course which details and examines the ideologies of today’s independent countries; analyzing them in their political, social, cultural and historical context.

INR 3033 International Political Cultures - M W (3) AS INT
This course will explore ways in which culture influences the nature of government, economic success or failure, and world regions and problems.

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 operation of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

INR 3141 Global Security Policy - (3) AS INT
A study of security issues, regional and global (such as proliferation, arms control, arms transfer) as they relate to contemporary international policies.

INR 3202 International Human Rights - M W (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 roles 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 4089 Conflict In The World - M W (3) AS INT

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 - M W (3) AS INT
An examination of Africa’s place and role in world affairs, including an analysis of the impact of external forces, international relations in post-colonial Africa, the relations of African states with the major world powers, the U.N. and its agencies.

INR 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 effects on world politics; background and achievement of the UN, international organizations and multi-national corporations.

INR 4900 Directed Readings - (1-3) AS INT
PR: CI. A supervised program of intensive reading of interdisciplinary materials 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 4931 Selected Topics - (1-4) AS INT
Interdisciplinary studies. Course content dependent on student demand and instructor’s interest.

INR 4936 Senior Seminar - M W (3) AS INT
PR: International Studies major and senior standing. A variable topics seminar integrating concepts and analyses relating to the academic background of INT majors. Should be taken in the student’s final semester.

INR 4943 Internship in International Studies - (3-6) AS INT
PR: Senior status. S/U only. For majors only. The purpose of the course is to promote the student’s understanding of global international issues within a local and practical context.

INR 5086 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 - SS (3) AS IDS
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 - SS (3) AS IDS
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.

ISM 3011 Information Systems in Organizations - (3) BA QMB
PR: CGS 2100 or equivalent; 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, CP: 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 3431 Management Science Production/Operations Management Applications - (3) BA QMB
PR: MAC 2243. Fundamentals of production and operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4213 Advanced Systems Analysis and Design - (3) BA QMB
PR: ISM 3232, ISM 3113, ISM 4212, 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 use.

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, database connectivity, multi-threading, and 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 fundamentals of human-computer interface design 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 tools.

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 3232 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: QMB 3200, ISM 3011, with a grade of "C" or better (not C-). Study of quantitative analysis tools and their use in organizational decision making. Emphasis on a structured approach 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 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
PR: CI plus senior standing or graduate status. Interdisciplinary application of theoretical models to research on salient social issues. Weds personal curiosity with the interdisciplinary major. Weds personal curiosity with the interdisciplinary major.

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.

ISS 1103 Nature and Culture - SS(3) AS ISS
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 3010 Introduction to the Social Sciences - (3) AS ISS
PR: CI. 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.

ISS 3390 Selected Topics in the Social Sciences - (1-4) AS ISS
PR: CI. Selected topics in the Social Sciences.

ISS 4151 Native American Studies - (3) AS ISS
PR: CI.  A supervised program of intensive reading of interdisciplinary materials in areas of specific interest.

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

ISS 4910 Directed Research - (1-3) AS ISS
PR: CI. A supervised program of interdisciplinary research in areas of specific interest.

ISS 4930 Seminar in the Social Sciences - M W(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 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
PR: 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
PR: ITA 1120. A laboratory designed to offer additional practice using various instructional technologies and media.
ITA 1121 Beginning Italian I - (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. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

ITA 2200 Intermediate Italian I - (3) AS 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 2241 Italian Conversation II - (4) AS WLE
To assist students who have already made a start in speaking Italian, who have not had the advantages of travel or who have non-Italian speaking parents, to improve their skill in speaking Italian. Current events; literary discussions; free conversation; prepared speeches. Differences of media, syntactical signal.

ITA 3420 Composition - (3) AS WLE
A fundamentals composition course for students who have completed ITA 2200.

ITA 3470 Overseas Study - (1-6) AS WLE
Prior approval and early registration required. An intensive study-travel program.

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.

ITW 4905 Directed Study - (1-3) AS WLE
Departmental approval required. Selected topics in Italian literature.

JOU 2100 Beginning Reporting - (3) AS COM
PR: MMC 2100 and MMC 3682. Basic instruction in news judgment, sources of news, newspapering, and news writing 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 2400 (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 3505 Critical Writing: Editorials, Reviews, Columns - (3) AS COM
PR: JOU 3101 and JOU 4200. Interpretive and opinion writing for the media. Analysis and discussion of current events as a basis for critical thinking and editing written and editorial pages of leading newspapers. Study of journalistic techniques involved in writing reviews and personal columns.

JOU 3308 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 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 4181 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 publication of public documents and records.

JOU 4200 News Editing I - (3) AS COM

JOU 4206 Newspaper and News Publication Design - (3) AS COM
PR: JOU 4200. 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 formats.

JOU 4212 Magazine Design and Production - (3) AS COM
PR: JOU 4200. Theoretical and practical application of design principles for magazines. Design software, study of visual design, page architecture, typography, color and illustrations. Integration of design elements in the design of magazine covers. Design elements specific to magazine production and preparation.

JOU 4941 Editing Practicum - (1) AS COM
PR: Senior standing, JOU 4200 and CI. For journalism sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

JOU 4944 Magazine Practicum - (1) AS COM
PR: Senior standing and CI. For 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 5105 Newswriting and Editing - (3) AS COM
PR: GS in Mass Communications or CI. Introduction to the basics of gathering, writing, and editing the news, with an emphasis on practical assignments done under professional conditions and standards. Discussions, readings emphasize the larger context and implications of news.

JOU 5305 Explorations in Newswriting - (3) AS COM
PR: CC. Students work to develop writing styles, reporting on and creating stories about significant issues, events, and ideas. The course explores the notion that narrative-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, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

JPN 1121 Modern Japanese II - (4) AS WLE
CR: JPN 1121L. A continuation of JPN 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

JPN 1121L Modern Japanese II Laboratory - (1) AS WLE
CR: JPN 1121L. S/U only. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. A laboratory designed to offer additional practice using various instructional technologies and media.

JPN 2200 Modern Japanese IV - (3) AS WLE
CR: JPN 2200 or equivalent. Completion 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 Teaching Writing in the Elementary School, Grades K-6 - (3) ED EDE
PR: Elementary Education majors or CI. The purpose of this course is for students to enhance their writing development and to design and implement instructional strategies for teaching composition in an integrated Language Arts curriculum.

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 high
school students.

LAE 4414 Teaching Literature in the Elementary School, Grades
K-6 - 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.

LAE 4444 Adolescent Literature for Middle and Secondary Students
- 6A LW (3) ED EDT
PR: Certification in English and/or Mass Communications and
knowledge of available books and teaching materials.

LAE 4469 Teaching World Literature to Middle and Secondary
Students - MW (3) ED EDT
World literature encompasses more than Western European
literature. This course is designed to emphasize, but is not
limited to, the study of Eastern literature. This course fulfills
the world literature course requirement for teacher certification in
English.

LAE 4470 Methods of Teaching English: Practicum - (3) ED EDT
PR: Senior standing or enrollment in Plan II Master’s Program.
CR: LAE 4323 or LAE 4335. Taken one semester, spring or fall,
prior to internship.

LAE 4475 Senior Seminar in English Education - (2) ED EDT
PR: Senior standing. Required concurrently with internship.
Synthesis of teacher candidate’s courses in complete college
program.

LAE 4500 Internship: English Education - (1-12) ED EDT
S/U only. One full semester of internship in a public or private school.
Intern takes Senior Seminar in English Education concurrently. In special programs where the intern experience is
distributed over two or more semesters, student will be registered
for credit which accumulates from 9 to 12 semester hours.

LAE 5462 Young Adult and World Literature for New Teachers - (3)
ED EDT
PR: Teaching position w/ either English degree or 30 hrs of
Undergraduate English. A study of the types of literature read by
adolescents, including literature representative of other cultures,
with emphasis upon the criteria for the choice of good books and
knowledge of available books and teaching materials.

LAE 5532 Selected Topics in the Teaching of English - (3) ED EDT
PR: Certification in English and/or Mass Communications and
approval of graduate advisor. Investigation of topics which are of
special interest to the student and are related to the teaching of
English in the secondary school. Topics will be selected by the
student in accordance with his particular goals and will be
approved by the student’s graduate advisor.

LAH 2020 Latin American Civilization - HP AF (3) AS HTY
An introduction to selected issues, events, and people in Latin
American history from 1492 to the present. Focus on Argentina,
Brazil, Chile, Cuba, and Mexico. Intended for students in any
discipline; no prerequisites. An entry-level course for Latin
American studies.

LAH 2734 Latin American History in Film - HP AF (3) AS HTY
Through the use of films and readings, the course introduces the
broad sweep of Latin American history from the pre-Columbian
period to today. Emphasis is placed on the social-cultural context
to understand the peoples and events that have shaped Latin
American history.

LAH 3004 The Americas: Latin and Caribbean (3) AS IN
This course will use film, video, selected readings, and lectures
to teach the interested student about Latin America.

LAT 1120 Beginning Latin I - (4) AS WLE
A thematic study of the circum-Caribbean from pre-Columbian
cultures to the twentieth century, emphasizing the development
of the Caribbean political economy with emphasis on monoculture,
plantation society, and colonial/post-colonial relationships.

LAT 1121 Beginning Latin II - (4) AS WLE
PR: LAT 1120 or equivalent. An introductory course in Latin
grammar with appropriate readings.

LAT 1200 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
development 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 the O.U. Program.

LIN 4040 Descriptive Linguistics - (3) AS WLE
PR: LIN 3010 or CI. Introduction to the basic techniques of
describing linguistic materials. A survey of the ways of
describing 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 4578 Language Typology of the World - (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 4830 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 5361 Library and Information Skills - (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 needs.

LIS 2937 Selected Topics in Library/Information Science - (1-3)
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
PR: LIS 2002. Covers a variety of strategies in designing and making
effective World Wide Web pages for publication on the
Internet.

LIS 4930 Selected Topics in Information Studies - (3) AS LIS
Covers a variety of topics in the field of library/information
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 literatures;
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 in such subjects as computer 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; emphasis on 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 study 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 study 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 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.

LIT 2022 Modern Short Novel - HP (3) AS ENG
A study of the novella from the nineteenth century to the present. Writers include James, Dostoevsky, Camus, Sflon, Nabokov,
Gardner, Roth, Vonnegut, among others.

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 3011 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, Euipides, Virgil, Cicero, Dante, Petrarch,
Machiavelli, and Rabelais, among others.

LIT 3012 Literature of the Western World Since the Renaissance
- 6A (3) AS ENG
A study in English of the great works of Western Literature from the Neoclassic to the Modern Period, including such writers as
Moliere, Racine, Voltaire, Dostoevsky, Chekhov, Ibsen, Kafka,
Gide, Sartre, and Camus, among others.

LIT 3103 Great Literature of the World - 6A MW L W (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 Soltzenitsyn.

LIT 3161 Modern Literature - 6A MW L W (3) AS ENG
Examines major literary works of the 20th Century and
develops ways in which authors have expressed the age, its great issues and conflicts, in order to gain a 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 L W (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 - M W (3) AS ENG
Major emphasis on literary types, literary personalities of the Old and
New Testaments, and Biblical archetypes of British and
American literary classics. Fall Semester, Old Testament; Spring Semester, New Testament. Focuses on values/ethics, race,
ethnicity and gender; thinking and writing skills. 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 L W (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/social 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 L W (3) AS ENG
An introduction to the occult tradition as a major ingredient in
English, Continental, American, and Multicultural literature;
analysis of the origins, classifications, and areas of the various
magic arts from classical times through the present. Focuses on
values/ethics, race/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 L W (3) AS ENG
Survey of women's literary tradition in England and America from the
seventeenth century to the present. Themes and issues include
self, marriage, sexuality, madness, race and generations. Writing
intensive. Will not be counted toward the English major.

LIT 4804 Literature as Cultural Study - M W (3) AS ENG
A study of literary texts as cultural artifacts. Literary texts as
historical, social, political, psychological, philosophical, religious,
etc. documents. Topics and works vary. Will not be counted
toward the English major.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Department</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 1115, 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.</td>
</tr>
<tr>
<td>MAC 2241</td>
<td>Life Sciences Calculus I</td>
<td>3</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 1114, 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. 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.</td>
</tr>
<tr>
<td>MAC 2242</td>
<td>Life Sciences Calculus II</td>
<td>4</td>
<td>MTH</td>
<td>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.</td>
</tr>
<tr>
<td>MAC 2281</td>
<td>Engineering Calculus I - 6A QM (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 1114 and C (2.0) or better in MAC 1147, or 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 students with credit in MAC 2233, MAC 2241, or MAC 2311. Differentiation, limits, differentials, extremes, indefinite integral. No credit for mathematics majors or for students with credit in MAC 2233 or MAC 2243 or MAC 2311.</td>
</tr>
<tr>
<td>MAC 2282</td>
<td>Engineering Calculus II - 6A QM (4) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 2242 or CC. No credit for students with credit in MAC 2131. Techniques of integration, numerical methods, analytic geometry, polar coordinates, Vector algebra, applications.</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Business Calculus - 6A QM (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 1114 and 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.</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus II - 6A QM (4) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 2242 or MAC 2282. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions.</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus III - 6A QM (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>C (2.0) or better in MAC 2312 or CC. No credit for students with credit in MAC 2283. Integration, polar coordinates, conic sections, vectors, indeterminate forms and improper integrals.</td>
</tr>
<tr>
<td>LIT 4930</td>
<td>Selected Topics in English Studies - (3) AS ENG</td>
<td>3</td>
<td>ENG</td>
<td>Study of Ovid’s technique, style, and artistry.</td>
</tr>
<tr>
<td>LNW 4381</td>
<td>Livy - (4) AS WLE</td>
<td>4</td>
<td>WLE</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>LNW 4634</td>
<td>Catullus - (4) AS WLE</td>
<td>4</td>
<td>WLE</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>LNW 4654</td>
<td>Horace - (4) AS WLE</td>
<td>4</td>
<td>WLE</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>LNW 4670</td>
<td>Ovid - (4) AS WLE</td>
<td>4</td>
<td>WLE</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>MAA 4211</td>
<td>Intermediate Analysis II - (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>PR: MAC 2313 and MAS 3105. Sequences, series, uniform convergence, and related topics.</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Complex Variables - 6A (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>PR: MAP 2302 or CI. No credit for students with credit in MAA 5405. Complex numbers, Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Theorem, Cauchy Integral Formula, residue theory.</td>
</tr>
<tr>
<td>MAA 5306</td>
<td>Real Analysis I - (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>PR: MAC 4211. Riemann-Stieltjes integration, uniform convergence, Fourier series, Lebesque measure and integration on R.</td>
</tr>
<tr>
<td>MAA 5307</td>
<td>Real Analysis II - (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>PR: MAA 5306. Metric spaces, Banach spaces, and function spaces; measure and integration on abstract spaces.</td>
</tr>
<tr>
<td>MAA 5405</td>
<td>Applied Complex Analysis - (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>PR: CI. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey emphasizing techniques and applications.)</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra - 6A QM (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>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 in MAC 1140 or MAC 1147. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications. College Algebra may be taken either for General Education credit or as preparation for a pre-calculus course.</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Precalculus Trigonometry - 6A (2) AS MTH</td>
<td>2</td>
<td>MTH</td>
<td>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.</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra - 6A QM (3) AS MTH</td>
<td>3</td>
<td>MTH</td>
<td>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.</td>
</tr>
<tr>
<td>MAC 1147</td>
<td>Precalculus Algebra and Trigonometry - 6A QM (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>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.</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Business Calculus - 6A QM (4) AS MTH</td>
<td>4</td>
<td>MTH</td>
<td>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.</td>
</tr>
</tbody>
</table>
MAN 5101 LISP: Programming With Algebraic Applications - (3) AS MTH
PR: MHF 5306 or MAD 6510 or MAS 5311 or CI. Programming in LISP, functional languages, foundations of Lambda Calculus and algebraic applications, theorem proving and game playing.

MAN 3240 Organizational Behavior Analysis - (3) AS MTH
PR: MAS 3105 or Cl. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, contiguities, incidence matrices, Poincaré's Theorem, and networks.

EDE 4310 Teaching Elementary School Mathematics I - (3) ED EDE
PR: Admission to College of Education and two level mathematics courses. Methods for teaching number ideas, computation skills, and mathematical reasoning.

EDE 4320 Teaching Mathematics in the Middle Grades - (3) ED EDO
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.

EDE 4326 Teaching Elementary School Mathematics II - (3) ED EDE
PR: MAE 4310. Provides for the development of knowledge and skill necessary to prepare students to assume roles as teachers of mathematics in elementary and special education programs. Required in the undergraduate programs in Elementary Education.

EDE 4330 Teaching Senior High School Mathematics - (3) ED EDO
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.

EDE 4551 Reading the Language of Mathematics - (2) ED EDO
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.

EDE 4652 Technology for Teaching Secondary School Mathematics I - (3) ED EDO
PR: Admission to Mathematics Education Program or DPR. This course prepares secondary mathematics education majors to write computer programs in both QBASIC and Logo 4.0 that are appropriate for secondary school mathematics classrooms. A variety of uses of computers in mathematics instruction will also be covered.

EDE 4653 Technology for Teaching Secondary School Mathematics II - (3) ED EDO
PR: Admission to Mathematics Education 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.

EDE 4909 Directed Study: Mathematics Education - (1-3) ED EDO
PR: Senior Standing and Cl. To extend competency in teaching field.

EDE 4936 Directed Study: Mathematics Education - (2) ED EDO

EDE 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.

EDE 5675 Abstract Algebra for Teachers - (3) AS MTH
PR: MATH 3105 and MATH 3101 and Bachelor's degree or CI. No credit for Mathematics majors. Groups, fields, vector spaces as they relate to high school algebra and geometry.

EDE 5877 Mathematical Analysis For Teachers - (3) AS MTH
PR: MAC 2313 and Bachelor's degree or CI. No credit towards Mathematics major. Limits continuity, derivatives, differentials.

EDE 3025 Principles of Management - (3) BA MAN
PR: Junior standing. Examine interpersonal, interpersonal, group, team, organizational, and environmental (both stakeholder and societal) factors influencing the management task.

EDE 3240 Organizational Behavior Analysis - (3) BA MAN
PR: MAN 3025. The course covers research literature relevant to organizational functioning including behavioral effects of power and authority, formal organization, structural variation, leadership, motivation, and communication.

MAN 3301 Human Resource Management - (3) BA MAN
To develop a broad exposure to new approaches, techniques, and future trends in the management of personnel. A study of the major functions in personnel including job analysis, manpower planning, selection, performance evaluation, training, and wage and salary administration.

MAN 3401 Industrial Relations - (3) BA MAN
Conceptualization of the administrative problems arising from unionization. Emphasis on the relationship between management and employee representatives in private and public employment.

MAN 4120 Managerial Behavioral Laboratory - (3) BA MAN
PR: MAN 3240 or equivalent. Development of direct understanding of personal, interpersonal, and intergroup factors present in organizational interaction. Stress is on a series of experimental 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 4290 Organizational Development and Change - (3) BA MAN
PR: MAN3240 or CI. A lab course where students experimentally apply behavioral science techniques in an "action-research" format. Designed to extend competency in teaching management. Development of direct understanding of personal, interpersonal, and intergroup factors present in organizational interaction. Stress is on a series of experimental exercises and written application of results within a laboratory setting.

MAN 5402 Employment Laws - (3) BA MAN
Federal and state regulation of the employment relationship, including wage and hour laws; EEO; affirmative action programs; employee benefits; insurance; workers' compensation, safety, health, employee's personal rights; collective bargaining legislation.

MAN 4430 Seminar in Negotiations and Administration of Labor Agreements - (3) BA MAN
Case studies in contract negotiation, administration, grievance settlement, and arbitration. Assumes familiarity with industrial relations system.

MAN 4504 Operations Management: A Systems Approach - (3) BA QMB
PR: ISM 3431 or equivalent. Studies the problems of "operations" in all types of enterprises in both the public and private sectors. Emphasis is placed on the application of various decision science methodologies to problem situations. Emphasis is placed on the application of various decision science methodologies to problem situations.

MAN 4507 Operation Production Systems - (3) BA QMB
PR: MAN 4504 or CI. Study of closed loop production planning and control systems. Emphasis on problem identification, 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 the process of feasibility study, start-up of business, successful management of the firm, and options for succession or termination.

MAN 4804 Small Business Management Counselling - (3) BA MAN
PR: MAN 4802 or CI. Field application in small business settings by (a) analyzing an on-going small business and developing recommendations for making improvements; or (b) conducting a feasibility study for a new enterprise and developing a strategy for implementation if favorable.

MAN 4905 Independent Study - (1-3) BA MAN
PR: CI. S/U only. Specialized independent study determined by the 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 4831 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 - (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 or MAP 4124. Existence and uniqueness theory, properties of solutions, linear systems, stability theory. Sturm-Liouville theory.

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, Poincaré-Bendixson 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 with emphasis on applications.

MAP 5407 Methods of Applied Mathematics - (3) AS MTH
PR: MAP 2302 or CI. Sturm-Liouville theory. Fourier series, Green’s functions, matrix methods for linear systems of ordinary differential equations, and topics from calculus of variations, control theory, numerical solutions of differential equations.

MAR 2931 Selected Topics in Marketing - (1-4) BA MKT
Not available for credit to upper-level students who have been admitted to the College of Business. Topics to be selected by department chairperson.

MAR 3023 Basic Marketing - (3) BA MKT
PR: Junior standing. 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: OMB 2100, 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 analysis and problem-solving. Builds upon the principles and concepts learned in MAR 3023, and provides a strong foundation for the remaining courses in the marketing curriculum.

MAR 4156 International Marketing - (3) BA MKT
PR: MAR 3023. A study of procedures and problems associated with establishing marketing operations in foreign countries. Includes the institutions, principles and methods involved in the solution of these business problems as well as the effects of national differences on business practices and buyer behavior.

MAR 4213 Logistics and Physical Distribution Management - (3) BA MKT
PR: MAR 3023 or CI. A study of logistics in the marketing of goods and services. Includes a description and analysis of the logistics environment as well as components of the physical distribution system with emphasis on information flows and the application of quantitative techniques used in establishing and controlling customer service levels.

MAR 4231 Retailing Management - (3) BA MKT
PR: MAR 3023. A comprehensive study of the retailing structure, institutions, and environment. Includes pertinent management theories and practices in analyzing, organizing, planning and controlling retail operations, both large and small.

MAR 4333 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 and development of promotional programs is emphasized.

MAR 4403 Sales Management - (3) BA MKT
PR: MAR 3023 or CI. A study of sales management and strategy as a subset of marketing management. Emphasis is placed on developing the problem-solving and decision-making skills required of the sales manager in the modern market-oriented company.

MAR 4453 Business to Business Marketing - (3) BA MKT
PR: MAR 3023. A study of the marketing of goods and services to the industrial and institutional sectors. Includes characteristics of industrial markets and channels of distribution, sales management, research and promotional practices, marketing policies and strategies.

MAR 4503 Buyer Behavior - (3) BA MKT
PR: MAR 3023. A study of the basic concepts of buyer behavior, including pre- and post-purchase attitudes and behavior patterns, information processing relating to the functional areas of marketing and the buyer’s decision-making process. Managerial applications of marketing decision making are emphasized. 

MAR 4824 Marketing Management Problems - (3) BA MKT
PR: Senior Standing, MAR 3823, MAR 3613, MAR 4333. CP: MAR 3400. 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 4993 Selected Topics in Marketing - (1-3) BA MKT
Topics to be selected by instructor and department chairperson.

MAS 1100 Contructive Number Theory and Linear Algebra - (3) US DEA
PR: Acceptance in USF-Hillsborough County Mathematics and Statistics 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 4124 Numerical Linear Algebra - 6A(4) AS MTH
PR: DISC 3151 and either MAC 2283 or MAC 2313. Linear systems, matrix algebra, vector spaces, linear independence, inner product spaces, Gram-Schmidt algorithm, linear transformations and matrix representations, determinants, eigenvalues, diagonalization, quadratic forms.

MAS 4301 Elementary Abstract Algebra - 6A(3) AS MTH
PR: MAS 4301. 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: MAC 3151 and MAC 2313 or MAC 2283. Implicit function and inverse function theorems, parameterized surfaces, submanifolds on Euclidean space, exterior calculus of differential forms, differentiation of vector fields, line and surface integrals, Stokes' Theorem, elementary continuous groups.
MAT 2930 Selected Topics in Mathematics - 6A (1-4) AS MTH
PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 2936 Technology Seminar - 6A (1) AS MTH
S/U only. A two hour/week technology seminar to acquaint students majoring in mathematics, physics, and other sciences with the computer tools necessary in scientific communication and documentation preparation.

MAT 306 Independent Study - 6A (1-4) AS MTH
PR: CI. S/U only. Specialized independent study determined by the student’s needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study.

MAT 4930 Selected Topics in Mathematics - 6A (1-4) AS MTH
PR: CI. The course content will depend on the interest of faculty members and student demand.

MAT 4937 Mathematics Majors Seminar - 6A (1) AS MTH
PR: MAS 4301

MAT 4970 Mathematics Senior Thesis - 6A (3) AS MTH
PR: Admission to Mathematics Honors Program and CC. S/U only. Course restricted to mathematics majors.

MAT 5932 Selected Topics - (1-4) AS MTH
PR: CI. Each course covers a single topic outside the usual curriculum.

MCB 351C General Microbiology - (4) AS BIO
PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, and CHM 2210. Genetics is recommended. Introduction to the biology of microorganisms: structure, physiology, and ecology of bacteria, algae, viruses, fungi, and protozoa. The laboratory involves preparation of culture media, staining, pure culture methodology, isolation of microorganisms from nature, enumeration techniques, resistance to infectious disease, Lec-lab.

MCB 4115 Determinative Bacteriology - (5) AS BIO
PR: MCB 3020C. Survey of bacterial classification; detailed examinations of bacteria important to man in agriculture, industry and as pathogens. Lec-lab.

MCB 4404 Microbial Physiology and Genetics - (4) AS BIO
PR: MCB 3020C 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 and genetic approaches to microbiology. Lec.

MCB 4404L Microbial Physiology and Genetics Laboratory - (1) AS BIO
PR: MCB 4404C. Laboratory portion of Microbial Physiology and Genetics relating to biochemical characteristics and metabolic capabilities of bacteria.

MCB 4502C Virology - (3) AS BIO
PR: MCB 3020C. The biology of viruses associated with plants, animals, and bacteria will be considered; nature of viruses, mechanisms of viral pathogenesis, and interactions with host cells.

MCB 4510 Microbiology Undergraduate Research - (1-4) AS BIO
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 3020C, CI. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCB 5600 Applied and Environmental Biology - (3) AS BIO
PR: MCB 3020C. 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 a mandatory field trip.

MCB 5815 Medical Mycology - (3) AS BIO
PR: MCB 3020C or CI. A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists.

MET 4002 Climatology - (4) AS GPY
PR: GE 3013 or CI. An introductory survey of climatology. A qualitative study of the dynamics and general circulation of the atmosphere. Surface and upper level atmosphere linkages in the mid latitudes will be examined. Discussion of the regional climatic patterns and anomalies throughout the world.

MET 4010C Meteorology - (4) AS GPY
PR: GEO 3013 or CI. The Earth’s atmosphere and its processes; weather forecasting and analysis; instrumentation.

MGF 1106 Finite Mathematics - 6A QM (3) AS MTH
PR: C (2.0) or better in MATH 1033, or 440 or better SAT Math score, or 9 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 MATH 1033, or SAT/ACT score, or Placement Exam score. An introductory course intended to present topics which demonstrate the beauty and utility of mathematics to the general student population. Among the topics which might be included are: Financial Mathematics, Linear and Exponential Growth, Numbers and Number Systems, Elementary Number Theory, Voting Techniques, Graph Theory, and the History of Mathematics.

MGF 1116 Mathematical Experience - 6A (3) AS MTH
PR: Two years of high school algebra. Introduction to some important and interesting basic ideas in mathematics with an emphasis on a mathematical way of thinking. Concepts such as definitions, axioms and proofs are explained. Topics from number theory, combinatorics, and geometry are used. Some topics are presented in their historical context and their impact on the development of mathematics is discussed.

MGF 1131 Chaos and Fractals - 6A QM (3) AS MTH
PR: C (2.0) or better in MATH 1033, or 440 or better SAT Math score, or 19 or better ACT Math Score, or 72 or better Elementary Algebra CPT score. Computer experiments in the behavior of functions under iteration: periodicity, attractors, stability, complex numbers, fractions, dimension, and sensitive 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, functions, equivalence relations, Boolean algebra, cardinality, and limits.

MIF 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.

MIF 4406 The History of Modern Mathematics - 6A MW (3) AS MTH
PR: MAC 2313. Traces the development of mathematical ideas in Western culture.

MIF 5306 Mathematical Logic and Foundations I - (3) AS MTH
PR: MAS 4301 or CI. Two-course sequence covering: predicate calculus and classical model theory; transfinite set theory and the system ZFC; recursion theory and decidability.

MIF 5402 The Early History of Mathematics - (3) AS MTH
PR: MAC 2312 A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.

MIF 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 3411 Multidisciplinary Behavioral Healthcare Services - (3) FM MHS
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 4002 Behavioral Health Systems Delivery - (3) FM MHS
PR: MHS 3411 This course is designed to provide students with an understanding of the significant issues and trends in behavioral health delivery systems in America. Four major areas will be emphasized: 1) history and legislation; 2) systems delivery; 3) programs and policies; 4) selected at-risk populations. This course is not repeatable for credit and is open to non-minors in behavioral healthcare.

MHS 4052 Human Relations Skills in Counseling - M/W (4) LEDG
Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relationships. 3 lecture sessions and 1 supervised practicum.

MHS 4407 Exemptial Practices in Behavioral Healthcare Treatment - (3) FM MHS
PR: MHS 3411 This course explores exemptial clinical practices in public behavioral health service delivery. Best or exemptial practices are defined as those that have both a track record and
their efficacy has been empirically validated. Modules may begin with a historical perspective of the perspective of a specific population or a treatment strategy but will primarily focus on emerging methodologies.

MMC 3602 Field Experience in Behavioral Healthcare - (3) FM MHS
PR: MMC 3101, MHS 4002, MHS 4407. This experiential class allows the student to observe and participate with multidisciplinary staff of a provider agency. The student will attend team meetings, observe hospital, group, and case management services. Assignments will be made to maximize the student's time investment in the field. Observations and experiences will be discussed in biweekly class meetings.

MHS 4905 Independent Study: Guidance and Counseling Education - (1-4) ED EDG
PR: DPR. S/U only. Specialized independent study determined by the student's needs and interests.

MHS 4906 Directed Study - (1-4) FM MHS
Directed study. Student must have a contract with an instructor.

MHS 4931 Selected Topics - (1-4) FM MHS
The course content will depend on student demand and instructor's interest. The course may be repeated for different topics up to 8 hours.

MLS 4031 Introduction to Medical Technology - (2) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math, and computer applications.

MLS 4829 Field Experience in Behavioral Healthcare - (3) FM MHS
A hospital clinical course on cellular components of the blood as related to laboratory diagnosis and disease, including blood coagulation and morphological and biochemical aspects of blood cells.

MLS 4851 Clinical Immunology - (2) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course emphasizing pathogens responsible for diseases in man, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites, and viruses.

MLS 4864 Clinical Chemistry - (6) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on laboratory methods of chemical substances found in the human body as related to the diagnosis of human disease, including topics such as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

MLS 4865 Clinical Immunohematology - (6) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on blood and tissue typing, including blood group systems, transfusion associated diseases, HLA testing, and preparation of blood and blood components for transfusion therapy.

MLS 4866 Clinical Laboratory Management and Education - (1) AS IAS
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on nursing management, including personnel staffing, reimbursement, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

MMC 2100 Writing for the Mass Media - (3) AS COM
PR: Sophomore standing; 2.75 overall grade point average; grade of "C" in ENG 1101, ENG 1102, and passing score on English Diagnostic Test. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and informational writing.

MMC 3602 Mass Communications and Society - SSSH (3) AS COM

MMC 4123 Media Script Writing - (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for 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 constructs, 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. Repeatable for 8 semesters, but only 4 credit hours will be counted toward the program.

MMC 4364 Research Methods in Mass Communications - (3) AS COM
PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of qualitative and historical research methods as applicable to the study of media and mass communications. Emphasis on survey research, evaluation of data, and report writing.

MMC 4900 Directed Reading in Mass Communications - (1-3) AS COM
PR: CI. The course provides means for a student to do independent study in an area not covered by a numbered course.

MMC 4931 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. Repeatable for 8 semesters, but only 4 credit hours will be counted toward the program.

MMC 4936 Directed Reading in Mass Communications - (1-3) AS COM
PR: 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. Repeatable for 8 semesters, but only 4 credit hours will be counted toward the program.

MMC 4990 Directed Reading 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 4991 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 4995 Media Internship Seminar - (3) AS COM
PR: CI. A 35 day internship at Fort Knox, Kentucky that incorporates 15 hours in Mass Mass courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School.

MSL 1001C Foundations of Officerhood - (2) US MIS
Examines the unique duties and responsibilities of officers, organization and role of the Army, review skills pertaining to fitness and communication, analyze Army values and expected ethical behavior. Lec.-Lab.

MSL 1002C Basic Leadership - (2) US MIS
Presents fundamental leadership concepts and doctrine, practice basic skills that underlie effective problem solving, examine the officer experience. Lec.-Lab.

MSL 2101C Individual Leadership Studies - (2) US MIS
Develops knowledge of self, self-confidence, and individual leadership skills, develop problem solving and critical thinking skills, apply communication, feedback, and conflict resolution skills. Lec.-Lab.

MSL 2102C Leadership and Teamwork - (2) US MIS
Focuses on self-development guided by knowledge of self and group processes, challenges current beliefs, knowledge, and skills.

MSS 2900 Army Physical Readiness - (1) US MIS
This course will train students in the unique role of Army physical readiness in sustaining military operations. It will also prepare students to plan, prepare, and conduct military fitness training. Repeatable for 8 semesters, but only 4 credit hours will be counted toward the program.

MSS 2901 Basic Leader Training - (4) US MIS
PR: CI. A 35 day internship at Fort Knox, Kentucky that incorporates a wide range of military subjects designed to develop/evaluate leadership and officer potential. The course is intentionally stressful and designed to build individual confidence through the accomplishment of tough and demanding training. Students completing the course may qualify for entry into the ROTC Advanced Course.

MSS 3201C Leadership and Problem Solving - (3) US MIS
Examines skills that underlie effective problem solving, analyze military missions and plan military operations, execute squad battle drills.

MSS 3202C Leadership and Ethics - (3) US MIS
Probes leader responsibilities that foster an ethical command climate, develop cadre leadership competencies, apply principles and techniques of effective written and oral communication.
MUC 4403 Electronic Music-Real-Time Performance I - (3) VP MUS
PR: MUC 3402 and MUC 3442 or equivalent. DPR. Composition for analog/digital equipment, performance applications; sound synthesis interfacing electronics with conventional instruments.

MUC 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 of 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, non-woodwind major. DPR. The course introduces the fundamentals of woodwind instrument pedagogy. In addition basic techniques of woodwind performance are taught through the study of clarinet and flute.

MUE 2460 Beginning Brass Techniques - (1) VP MUS
PR: Sophomore standing, non-brass major. DPR. The course introduces the fundamentals of brass 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 Wind Techniques and Pedagogy - (2) VP MUS
PR: MUG 3104 A two-semester sequence intended to equip music education students with basic performance, pedagogical, and rehearsal techniques, applicable to brass and woodwind instruments and ensembles.

MUE 3432 Orchestral 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 2450. 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 3930 Music Education Forum - (1) VP MUS
PR: Status as a music education major; permission of the Music Academic. DPR. Discuss Music Professional organizations (MENC, CMENC, ISME, etc.). Students join CMENC and attend the FMEA conference. Add'l topics: classroom management, school safety, professional ethics, education law, and MusEd for special students. Required for MusEd majors 4 semesters @ 1 credit hour per term.

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 K-12 General Music Methods and Practicum - (4) VP MUS
PR: MUE 2090 This course will consist of theoretical and practical training in teaching General Music Education K-12. It will include the study of philosophies, strategies and methodologies in contemporary General Music Education used in the USA and internationally.

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 4460 Small Ensemble Methods - (2) VP MUS
This course aims to prepare music education majors to teach World Music Ensembles in the K-12 school classroom setting. The course is restricted to majors and is repeatable for up to 6 credits.

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 internship 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 scores.

MUG 3105 Instrumental Conducting - (2) VP MUS
PR: MUG 3404 and DPR. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

MUH 3301 Folk And Traditional Music Of World Cultures - FAAF (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/minority groups, and discussions of the relevant social issues connected with these contributions.

MUH 3016 Survey Of Jazz - FA (3) VP MUS
For non-music majors. Not repeatable. A study of the evolution of America's "classical" music: Jazz. In addition to presenting an overview of the most prominent artists and literature, the course will focus on the cultural dynamics involved in the development of jazz from 1890 to the present.

MUH 3300 Music History/Medieval And Renaissance - (2) 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. 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 - M W (3) VP MUS
PR: MUL 2111. DPR. Open to non-majors with DPR. A study of the historical development of the Romantic and Twentieth Century eras and of the music of those periods.

MUH 4058 Intercultural Music In The Twentieth Century - M W (3) VP MUS
PR: MUH 2051 or MUL 2111. 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 - (3) VP MUS
PR: MUT 1112. DPR. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

MUH 2111 Introduction To Music Literature - 6A HP FA (3) VP MUS
PR: MUT 4112. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required of non-music majors.

MUL 3001 Issues In Music - FAAF (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 vitally concern the artist-performer.

MUL 3012 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 a technique for listening 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 3131 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 3313 University Singers - (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 3543 Chamber Singers - (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.

MUN 3383 University-Community Chorus - (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 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.

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.

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.

MUN 3424 Woodwind 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.

MUN 3431 Brass 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.

MUN 3432 Horn 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.

MUN 3433 Brass 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.

MUN 3443 Percussion 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.
MUT 1242 Aural Theory II - (1) VP MUS
PR: DPR. Required of music majors with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments.

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 1112 Music Theory II - (3) VP MUS
PR: MUT 1111, DPR. Required of music majors with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments.

MUT 1242 Aural Theory II - (1) VP MUS
PR: MUT 1241, DPR. Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing.

256 USF Course Descriptions
MVB 1214 Applied Euphonium - (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.

MVB 1215 Applied Tuba - (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.

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 2421 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 3331 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 3332 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 3333 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 3334 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 3335 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 3431 Trumpet 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.

MVB 3432 French Horn 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.

MVB 3433 Trombone 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.

MVB 3434 Euphonium 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.

MVB 3435 Tuba 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.

MVB 4341 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.
MVJ 1219 Jazz Percussion - (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.

MVJ 1220 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 1313 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 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 2424 Jazz Bass Major - (3) VP MUS
PR: DPR. Necessary competency at Sophomore level determined by faculty jury examination. 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. 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 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. Necessary competency determined by faculty jury examination. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3334 Jazz Bass Principal - (2) VP MUS
PR: DPR. Necessary competency determined by faculty jury examination. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3339 Applied Jazz Percussion Principal - (2) VP MUS
PR: DPR. Necessary competency determined by faculty jury examination. Required of all music majors. Open to a limited number of non-music majors by audition only. Applied music courses are NOT available on S/U basis. Private and class instruction.

MVJ 3430 Applied Jazz Piano 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 3433 Jazz Guitar 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 3434 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 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. Necessary competency at junior 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 4343 Jazz Guitar 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.

MVJ 4344 Jazz Bass 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.

MVJ 4349 Jazz 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.

MVJ 4440 Jazz Piano 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 4443 Jazz Guitar 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 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 4850 Applied Jazz Performance - (3) VP MUS
PR: MUT 2801 or DPR. Necessary competence at junior level determined by faculty jury examination. 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.

MVJ 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 Keyboard Skills II - (2) VP MUS
PR: MVK 1111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1111 Applied 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 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
Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 1821 Beginning Piano II - (2) 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 2111 Keyboard Skills III - (2) VP MUS
PR: MVK 2111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2121 Keyboard Skills IV - (2) VP MUS
PR: MVK 2111 or DPR. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

MVK 2321 Piano Principal - (2) 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 2421 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.

MVK 3111 Music Major - (3) 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 1311 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.

MVK 5251 Applied Piano - (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.

MVR 3331 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.

MVR 4341 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.

MVS 1211 Applied Violin - (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.

MVS 1214 Applied Double Bass - (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.

MVS 1411 Violin 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 1412 Viola 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 1413 Cello 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.

MVS 1414 Double 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.

MVS 2211 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 2232 Viola 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 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 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 4444 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 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 4442 Viola 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 4433 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 4434 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 4444 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 4421 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 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 4442 Viola 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 4443 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 4422 Violoncello 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 4433 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 4343 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 4342 Violoncello 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 Viola 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 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 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 4341 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 4344 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 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 4331 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 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 4332 Viola 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 3431 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 3433 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 3432 Viola 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 3434 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 4432 Viola 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 4433 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.
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 Applied Clarinet - (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 1215 Applied Saxophone - (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 1311 Flute Principal - (2) 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.

MVW 1312 Oboe Principal - (2) 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.

MVW 1313 Clarinet Principal - (2) 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.

MVW 1314 Bassoon Principal - (2) 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.

MVW 1315 Saxophone Principal - (2) 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.

MVW 1411 Flute 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.

MVW 1412 Oboe 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.

MVW 1413 Clarinet 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.

MVW 1414 Bassoon 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.

MVW 1415 Saxophone 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.

MVW 2321 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 2322 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 2323 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 2324 Bassoon 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 2325 Saxophone 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 2412 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 2423 Clarinet 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 2424 Bassoon 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 2425 Saxophone 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 3331 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 3332 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 3333 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 3334 Bassoon 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 3335 Saxophone 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 3431 Flute 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 3432 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 3433 Clarinet 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 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.
NUR 3114L Nursing Fundamentals Clinical - (3) NU NUR
PR: Admission to the nursing major or CI; CR: NUR 3114L Clinical experiences in the fundamentals of clinical nursing practice. Focus on developing critical thinking applying nursing process, physical assessment, and concepts of health and illness to meet the unique needs of the individual across the life span.

NUR 3125 Pathophysiology for Nursing Practice - (3) NU 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 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 3064, NUR 3125, NUR 3114, NUR 3114L. 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, Respiratory System, Renal System, Endocrine, Cancer, Multisystem Dysfunction.

NUR 3215L Medical Surgical Nursing Clinical I - (3) NU NUR
PR: NUR 3064, NUR 3125, NUR 3114, NUR 3114L. Clinical intervention for patients with selected health problems related to specific abnormalities in functional patterns.

NUR 324C Gerontological Nursing - (2) NU NUR
PR: NUR 3113, NUR 3114, NUR 3114L, NUR 3064. Nursing Majors. Focuses on theories of aging and human development; assessment of functional health patterns; and planning health promotion and disease prevention activities with older adults. Critical thinking is used to analyze the effects of interventions on individuals and groups.

NUR 3525 Psychiatric/Mental Health Nursing - (3) NU NUR
PR: NUR 3076, NUR 3064, NUR 3125, NUR 3114 and NUR 3114L. CR: NUR 3525L. Explores mind, body, and spirit alterations in functional health patterns experienced by patients with acute and chronic mental illness. Examines psychopathology, psychopharmacologic therapies and community resources and the role of the nurse in psychiatry.

NUR 3525L Psychiatric/Mental Health Nursing Clinical - (3) NU NUR
PR: NUR 3076, NUR 3064, NUR 3125, NUR 3114 and NUR 3114L. CR: NUR 3525. Focus on clinical intervention using critical thinking and communication skills with patients who require complex psychiatric rehabilitative care. Opportunities are offered to apply knowledge of psychopathology and psychopharmacologic therapies across the lifespan.

NUR 3806 Education Transitions for Registered Nurses - (3) NU
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.

NUR 3829 Ethical Legal Aspects in Nursing and Health Care - MW (3) NU PR: CI. Nursing Majors. Introduction to contemporary bioethical and legal issues confronting health care providers in different settings. Focuses on identification of legal and ethical principles underlying the decision-making process in nursing and health care.

NUR 4041 Culture In Nursing Practice - (2) NU PR: CI. Nursing Majors. Introduces knowledge and skills needed to give culturally congruent nursing care to people from diverse cultural groups. Compares and analyzes health-related practices, values, beliefs, and wellness goals.

NUR 4165 Nursing Inquiry - (3) NU NUR
PR: Admission to the nursing major or CI. An introductory course in statistics is recommended. An analysis of the research process. Emphasis on identification of researchable nursing problems and evaluations of research that is applicable to nursing practice. Focus on evidence-based practice for nursing.

NUR 4194 An Interdisciplinary Perspective in HIV Disease - 6A MW LW (3) NU NUR
Provides an interdisciplinary perspective on HIV disease. Topics include the etiology, spectrum, and treatment of HIV disease; international perspectives; issues of race, gender, and ethnicity; values, ethics, and their influence on responses to HIV, and how the media has shaped the epidemic.

NUR 4216 Medical Surgical Nursing II - (4) NU PR: NUR 3215, NUR 3215L, NUR 3245. CR: NUR 4216L. 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, neuromusculoskeletal systems, musculoskeletal systems, Gastrointestinal systems, and Reproductive systems.


NUR 4421 Women's Health Nursing - (2) NU PR: NUR 4216, NUR 4421L, 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 including pregnancy.

NUR 4635L Integrated Nursing Clinical: Community/Public Health, Children and Adolescent Health, and Women's Health - (7) NU PR: NUR 4216, NUR 4216L. CR: NUR 4421, 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.

NUR 4636 Community/Public Health: Population-Focused Nursing - (3) NU 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 across the age spectrum.

NUR 4636L Community/Public Health Nursing Clinical for the RN - (3) NU PR: NUR 4636 or CI. Provides clinical learning experiences in community-based sites in both urban and rural settings. Focus on nursing care designed to prevent and/or reduce risk of disease and injury, and promote health and wellness to diverse populations across the age spectrum.

NUR 4643 Nursing Interventions into the Acute Effects of Drug and Alcohol Abuse - (2) NU NUR Focuses on the assessment and treatment of individuals and families who are in the acute phases of addiction. Emphasis will be placed on treatment outcomes for designated populations with consideration for cultural, socioeconomic, political and ethical/legal factors.

NUR 4644 Nursing Interventions into the Rehabilitation of Clients who Abuse Substance - (2) NU NUR Focuses on models of treatment and interventions for clients and families who are in the rehabilitation and relapse prevention phases of treatment for addictions. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for criminal socioeconomic, political and legal/ethical factors.

NUR 4645 Substance Abuse Across the Lifespan - 6A MW LW(3) NU NUR Introduction to concepts of substance abuse and theories of addiction. The applicability of theories and concepts to clinical assessment, diagnosis, and intervention with client populations across the lifespan is explored.

NUR 4692 Occupational Health Nursing - (2) NU NUR Focuses on the historical, legal, cultural, scientific, and professional foundations of occupational health nursing; the occupational health nurse role in the delivery
of health services to workers and worker aggregates (business, social, economic, and legal forces influencing that role; standards and characteristics of practice; and settings for occupational health nursing practice).

NUR 495C Rehabilitation Across the Life Span - (2) NU NUR
- PR: Nursing Majors or CI. Basic concepts of rehabilitation related to human responses. Analysis of the changes in health status and nursing implications.

NUR 5930 Topics in Performance Genres - (3) AS SPE
- PR: Critical Care - (2) NU NUR
- PR: Nursing Majors or CI. Basic concepts of critical care nursing, focusing on selected health problems to analyze the affects of changes in health status.

NUR 4813 Educational Role of the Nurse in Healthcare - (3) NU NUR
- This course provides the learner with an opportunity to gain knowledge and skills to facilitate the teaching role of the nurse.

NUR 4838 Leadership and Management in Professional Nursing Practice - (3) NU NUR
- PR: NUR 4421, NUR 4355, NUR 4636, NUR 4636L or CI. Principles of nursing leadership and management with an emphasis on decision-making, priority setting, delegating, and managing nursing care. Focus on preparation of the professional nurse to work collaboratively in the interdisciplinary health care environment. Clinical experience for registered nurse students will be designed to build upon a practice background.

NUR 4905C Independent Study - (1-5) NU NUR
- 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.

NUR 4935 Selected Topics In Nursing - (2-8) NU NUR
- PR: Junior or senior standing or permission of faculty. Content will depend upon student demand and faculty interest and may focus on any area relevant to nursing practice. May involve class, seminar, and/or clinical laboratory.

NUR 4948L Preceptorship - (5) NU NUR
- PR: NUR 4421, NUR 4216L, NUR 4355, NUR 4421, NUR 4636, NUR 4636L. Individually contracted 150 hours of clinical practicum collaboratively planned by students, faculty, and agency personnel. Opportunity to synthesize theory and clinical practice for professional nursing.

OCE 2001 Introduction to Oceanography - NS(3) MS MSC
- Overview of biological, chemical, geological, and physical oceanography. Also listed under Geology.

OCE 4930 Selected Topics in Marine Science - (1-4) MS MSC
- Selected topics in the marine sciences including marine biology, marine chemistry, marine geology and geophysics, physical oceanography, and interdisciplinary topics relating to marine environments.

ORI 2000 Introduction to Communication As Performance - (3) AS SPE
- Designed to develop proficiency in the understanding and oral communication of literary and other written materials.

ORI 3950 Communication As Performance Laboratory - (1-3) AS SPE
- PR: ORI 2000 or CI. The study, rehearsal, and performance of literature for Readers Theatre and Chamber Theatre productions.

ORI 4120 Performance of Poetry - (3) AS SPE
- PR: ORI 2000 or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic technique.

ORI 4310 Group Performance of Literature - (3) AS SPE
- PR: ORI 2000 or CI. Designed to introduce the student to and give experience in various forms of group approaches to performance.

ORI 4931 Performance and Video - (3) AS SPE

ORI 5930 Topics in Performance Genres - (3) AS SPE
- Variable topics course.

PAD 3003 Introduction to Public Administration - SS(3) AS PAD
- Examination of organizational behavior and change, policy processes, public management, financial administration, and personnel management from the perspective of public and social delivery.

PAD 4144 Nonprofit Organizations and Public Policy - M W(3) AS PAD
- Role and importance of third sector (voluntary) organizations in American society; focus on public policy through service in a voluntary organization.

PAD 4204 Public Financial Administration - (3) AS PAD
- Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

PAD 4419 Personnel & Supervision in Today's Organizations - (3) AS PAD
- Introduces students to concepts, principles and practices of personnel management and supervision that influence the attainment of desired performance goals in today's public and not-for-profit organizations. Course participants will explore issues that influence the successful management of human resources in dynamic employment settings.

PAD 4712 Managing Information Resources in the Public Sector - (3) AS PAD
- Introduces students to the fundamental concepts, theories, principles and practices in public information management. Internet access is required.

PAD 4930 Selected Topics in Public Administration and Public Policy - (3) AS PAD
- Selected issues and topics in Public Administration and Public Policy course with course content based on student demand and instructor’s interest. May be repeated for up to 6 credits as topics vary.

PAD 5035 Issues in Public Administration and Public Policy - (3) AS PAJ
- Open to GS only. Selected issues and topics in Public Administration and Public Policy.

PAD 5044 Environment of Public Administration - (3) AS PAD
- Examination of the legal, political, and ethical environment in which public managers work.

PAD 5159 Urban Policy Analysis - (3) AS PAD
- Examination of the organizational and administrative aspects of planning, program development, reporting and evaluation at the local level by state, regional, and other agencies.

PAD 5333 Concepts and Issues in Public Planning - (3) AS PAD
- PR: URP 4050 or URP 6056, GS or Sr. Analysis of basic concepts, issues, and strategies of planning, policy determination, collection of information, and decision-making.

PAD 5605 Administrative Law 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 branches of government.

PAD 5700 Research Methods in Public Administration - (3) AS PAD
- This course provides the student with the fundamental skills and knowledge of how research is designed, implemented, analyzed, and utilized in public sector agencies. Available to majors and non-majors.

PAD 5807 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. 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 branches of government.

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 1910 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 pathogenic microbiology, immunology, marine biology, and plant biochemistry. Most of their time is spent working on individual research projects.

PCB 3023 Cell Biology - (3) AS BIO
- PR: BSC 2010, BSC 2010L, BSC 2011, BSC 211L, 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 control of 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 3043 Principles of Ecology - (3) AS BIO PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.-dis.


PCB 3063 General Genetics - (3) AS BIO PR: BSC 2010, BSC 2010L, BSC 2111, BSC 2111L, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L. 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 CP: 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 2211. Advanced presentation of mechanisms employed by animals to interact with their environment and to maintain their organization. Lec.-dis.

PCB 4723L Animal Physiology Laboratory - (1) AS BIO CP: PCB 4723. Laboratory portion of Animal Physiology.

PCB 5235 Principles of Immunology - (3) AS BIO PR: PCB 3023 or MCB 3020C, CI. 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 5236 Developmental Biology - (5) AS BIO CP: 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 control 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.

PCB 5306L Limnology Laboratory - (1) AS BIO 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 organism's 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 5835 Neurophysiology - (3) AS BIO PR: CI. A comparative analysis of the physiochemical basis and evolution of nervous systems and sensory mechanisms.

PCB 5845C Principles of Neuroscience - (4) AS BIO PR: PCB 4723, 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, demyelination, and mechanisms of learning/memory. Brain research techniques are also discussed, as are basic neurophysiological processes that result in abnormal brain function and cognition.

PEL 1121 Golf I - (2) ED EDJ S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 1212 Golf II - (2) ED EDJ S/U only. Continuation of PEL 1121. Emphasis on course play and refinement of strokes.

PEL 2342 Tennis II - (2) ED EDJ S/U only. Continuation of PEL 1341. Refinement of basic skills, supplementary strokes; greater emphasis on tactics and playing strategies.

PEL 2441 Racquetball - (2) ED EDJ S/U only. Development and refinement of the skills and strategies of Racquetball with opportunity for competition and tournament play.

PEM 2131 Weight Training - (2) ED EDJ S/U only. Knowledge and techniques necessary for increasing muscle function. Assessment of status and development of a personal program.

PEM 2441 Karate - (2) ED EDJ S/U only. Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation.

PEM 2930 Selected Topics - (1-2) ED EDJ S/U only. DPR. Activities offered are selected to reflect student need and faculty interest.

PEN 1121 Swimming I - (2) ED EDJ S/U only. Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety.

PEN 2113 Lifeguard Training - (2) ED EDJ PR: PEN 2122 or equivalent. S/U only. Knowledge and skills necessary for saving the lives of others in the event of aquatic emergency. ARC certified.

PEN 2136 Skin & Scuba Diving - (2) ED EDJ PR: PEN 2172 or equivalent. S/U only. Development of the essential skills and knowledge necessary for enjoying the sport of Skin & Scuba Diving. Correct utilization and care of equipment; emphasis on personal safety.

PEP 3940 Practicum in Health Promotion/Wellness - (4) ED 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.

PEO 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 2202C 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 2351 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 - M/W (3) ED EDP PR: Junior, Senior standing. A study of organized sport as a pervasive part of contemporary society. By increasing understanding of some of the issues and controversies based in the structure of sport and society, individuals will be able to understand and improve sport experiences for themselves and others.

PET 3310 Kinesiology - (3) ED EDP A study of the structure and function of the skeletal and muscular systems and related 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.
individuals. Concepts pertaining to the use of pharmacology, thermotherapy, phototherapy, electrical stimulation, hydrotherapy, ultrasound, biofeedback and manual techniques will be emphasized.

PET 4633C Therapeutic Rehabilitation - (3) ED EDP
Athletic Training majors only. Theories and applications 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 4905 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.

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 comprising the sports medicine team.

PET 4935 Case Studies in Athletic Health Care - (3) ED EDP
Athletic Training majors only. Capstone course intended to provide a unified opportunity to utilize concepts, principles and skills learned 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 the 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 4947 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 3412C Advanced Photography - (3) VP ART
PR: PGY 3410C. Laboratory required. Advanced process and practice of photography for publication.

PGY 3412C 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 3412C 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 behavior, decision-making processes and health outcomes. The course will offer a public health perspective of the consequences of risk-taking activities as well as a psychosocial and cultural view of antecedent behaviors.

PHS 4542 Stress, Health and College Life - (3) PH CFH
The purpose of this course is to examine the relationship between stress, as a multi-casual concept, health and disease. Focus areas include: the historical evolution and current theories of stress as they relate to types of stressors, physiological reactions and predisposition to disease, and techniques related to the recognition and prevention of an unhealthy level of stress.

PHS 3062 History of Philosophy: Ancient and Medieval - (3) AS PHI
A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

PHS 3420 History of Philosophy: Modern - (3) AS PHI
A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

PHS 4440 Continental Philosophy - (3) AS PHI
A study of developments in post-Kantian European philosophy.

PHS 4600 Contemporary Philosophy - 6A MW(3) AS PHI
Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

PHS 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.

PHS 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.

PHL 1103 Critical Thinking - SS (3) AS PHI
Methods of thinking that lead to reliable conclusions, with emphasis on concrete cases in ordinary thinking and the sciences.

PHL 1103 Critical Thinking in Science and Society - 6A SS(3) AS PHI
This class teaches students to become a better "Scientific Citizen," i.e. to be able to better understand and participate in the process by which we come to conclusions about the natural and social world that matter to us as a society.

PHL 1600 Introduction to Ethics - HP SS(3) AS PHI
A study of ethical theories, concepts, problems and methods.
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<tbody>
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<td>PHI 2101</td>
<td>Introduction to Formal Logic - 6A</td>
<td>3</td>
<td>AS PHI</td>
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<tr>
<td>PHI 2631</td>
<td>Ethics and Business - SS(3)</td>
<td>AS PHI</td>
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<td>PHI 3404</td>
<td>Scientific Method - (3)</td>
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<td>Contemporary Moral Issues - SS(3)</td>
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<td>Biomedical Ethics - (3)</td>
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<td>PHI 3636</td>
<td>Professional Ethics - (3)</td>
<td>AS PHI</td>
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<tr>
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<td>Environmental Ethics - SS(3)</td>
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<td>PHI 3700</td>
<td>Philosophy of Religion - 6A</td>
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<td>PHI 3905</td>
<td>Directed Study - (1-4)</td>
<td>AS PHI</td>
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<td>PHI 4073</td>
<td>African Philosophy - MW(3)</td>
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<td>Philosophy of Mind - 6A</td>
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<td>PHI 5639</td>
<td>Social Issues in Biomedical Ethics - (3)</td>
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**Notes:**
- PHI 2101: An elementary study of propositional, predicate, class and syllogistic logic with some attention to basic problems of logical theory.
- PHI 2631: An application of traditional ethical theories to contemporary problems in business.
- PHI 3404: Probability, inductive inference, the hypothetico-deductive method, experimentation, and selected topics in the philosophy of science.
- PHI 3630: Open to all students. A study of contemporary moral issues concerning sex, sexism, abortion, poverty, crime, war, suicide, and human rights in general.
- PHI 3633: Open to all students. A study of the ethical issues arising from advances in medical practice, delivery of health care, and scientific research.
- PHI 3636: An examination of the ethical problems that professionals will face in the complex, global society of the next few decades—confidentiality, divided loyalties, racism/sexism, etc.
- PHI 3640: A study of alternative theories of environmental ethics, including the implications of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.
- PHI 3700: An analysis of religious experience and examination of principal religious ideas in light of modern philosophy.
- PHI 3905: A study of 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: A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wolffstonecraft, Mill, Gilligan, Daly, Hoagland and others.
- PHI 4800: 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 5639: 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.

**Prerequisites:**
- PHI 1010 or equivalent
- Approval of the instructor

**Description:**
A critical examination of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbert Marcuse. Hegelian foundations of Marxism, the status of Marxist ideas in the twentieth century, including an examination of the ethical, metaphysical and epistemological bases of these philosophies.

**Notes:**
- Restricted to majors.
- CI. Approval slip from instructor required.
- Individual research directed by a faculty member.
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<tr>
<td>PHY 2049L</td>
<td>General Physics II Laboratory</td>
<td>(1) AS PHY</td>
<td>First semester of a two semester sequence of calculus-based general physics (mechanics, wave motion, sound, electricity, magnetism, optics, modern physics) for science and engineering students.</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>(3) AS PHY</td>
<td>Second semester of a two-semester sequence of general physics (mechanics, wave motion, sound, electricity, magnetism, optics, modern physics) for science and engineering students.</td>
</tr>
<tr>
<td>PHY 2059</td>
<td>General Physics III</td>
<td>(3) NS AS PHY</td>
<td>Introductory course in the application of the principles of physics to clinical problems, including the physical basis of diagnostic and therapeutic modalities.</td>
</tr>
<tr>
<td>PHT 5272</td>
<td>Patient/Client Management II</td>
<td>(2) ME PHT</td>
<td>Application of principles of patient/client management to patients with cardiovascular disease or dysfunction and diabetes to identify and write plans of care for related movement dysfunction.</td>
</tr>
<tr>
<td>PHT 5273C</td>
<td>Foundational Science III</td>
<td>(2) ME PHT</td>
<td>Continuation of PHT 5272C, focusing on the patient/client management of individuals with musculoskeletal disorders involving the limbs.</td>
</tr>
<tr>
<td>PHT 5275C</td>
<td>Physical Therapy Science I</td>
<td>(4) ME PHT</td>
<td>Introduction to physical therapy skills in examination, evaluation, and diagnosis for clients with uncomplicated musculoskeletal impairments involving the extremities.</td>
</tr>
<tr>
<td>PHT 5276C</td>
<td>Physical Therapy Science II</td>
<td>(4) ME PHT</td>
<td>Introduction to physical therapy skills used in examination, evaluation, and diagnosis of and interventions for clients with activity limitations associated with cardiovascular, hematological, or pulmonary disorders.</td>
</tr>
<tr>
<td>PHT 5277C</td>
<td>Physical Therapy Science III</td>
<td>(3) ME PHT</td>
<td>Examination, evaluation, diagnosis, and intervention for movement-related problems specific to impairments of the nervous system.</td>
</tr>
<tr>
<td>PHY 4222</td>
<td>Mechanics II</td>
<td>(3) AS PHY</td>
<td>Oscillators and normal modes; moving coordinate systems; Conservation of energy. Second Law of Thermodynamics. Special state and wave phenomena.</td>
</tr>
<tr>
<td>PHY 3221</td>
<td>Mechanics I</td>
<td>(3) AS PHY</td>
<td>Introduction to the principles of mechanics, focusing on statics, dynamics, and free body diagrams.</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Modern Physics</td>
<td>(3) AS PHY</td>
<td>Introduction to modern physics, including the areas of atomic, nuclear, solid state, and particle physics.</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>(1) AS PHY</td>
<td>Restricted to majors.</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>(3) NS AS PHY</td>
<td>Introduction to the principles of mechanics, focusing on statics, dynamics, and free body diagrams.</td>
</tr>
<tr>
<td>PHT 5272</td>
<td>Patient/Client Management II</td>
<td>(2) ME PHT</td>
<td>Application of principles of patient/client management to patients with cardiovascular disease or dysfunction and diabetes to identify and write plans of care for related movement dysfunction.</td>
</tr>
<tr>
<td>PHT 5273C</td>
<td>Foundational Science III</td>
<td>(2) ME PHT</td>
<td>Continuation of PHT 5272C, focusing on the patient/client management of individuals with musculoskeletal disorders involving the limbs.</td>
</tr>
<tr>
<td>PHT 5275C</td>
<td>Physical Therapy Science I</td>
<td>(4) ME PHT</td>
<td>Introduction to physical therapy skills in examination, evaluation, and diagnosis for clients with uncomplicated musculoskeletal impairments involving the extremities.</td>
</tr>
<tr>
<td>PHT 5276C</td>
<td>Physical Therapy Science II</td>
<td>(4) ME PHT</td>
<td>Introduction to physical therapy skills used in examination, evaluation, and diagnosis of and interventions for clients with activity limitations associated with cardiovascular, hematological, or pulmonary disorders.</td>
</tr>
<tr>
<td>PHT 5277C</td>
<td>Physical Therapy Science III</td>
<td>(3) ME PHT</td>
<td>Examination, evaluation, diagnosis, and intervention for movement-related problems specific to impairments of the nervous system.</td>
</tr>
<tr>
<td>PHY 4222</td>
<td>Mechanics II</td>
<td>(3) AS PHY</td>
<td>Oscillators and normal modes; moving coordinate systems; Conservation of energy. Second Law of Thermodynamics. Special state and wave phenomena.</td>
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<td>PHY 3221</td>
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<tr>
<td>PHY 3101</td>
<td>Modern Physics</td>
<td>(3) AS PHY</td>
<td>Introduction to modern physics, including the areas of atomic, nuclear, solid state, and particle physics.</td>
</tr>
</tbody>
</table>
PHZ 5405 Solid State Physics I - (3) AS PHY
PR: PHY 3101, MAP 2302. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426.

PHZ 5505 Plasma Physics I - (3) AS PHY
PR: PHY 4324 or CI. Introduction to Boltzmann, magnetohydrodynamic and orbit approaches to plasmas. Longitudinal and electromagnetic waves in plasmas. Collisions and radiation, instabilities.

POL 1120 Beginning Political Science I - (3) AS WLE
CR: POL 1120L. This course fulfills the four basic skills of POL 1120, with continued emphasis on structures, analogues, reading, dictation, and vocabulary-building. Development of basic skills in listening and reading comprehension, speaking and writing of Russian.

POL 1121 Beginning Political Science II - (4) AS WLE
CR: POL 1120L. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

POL 1127 Directed Study - (1-5) AS WLE
Departmental approval required. S/U only. Permits study options in Russian not available in regularly scheduled curriculum at departmental discretion.

POR 2200 Intermediate Portuguese I - (3) AS WLE
POR 2200 builds upon the four language skills (speaking, comprehension, reading, and writing) introduced in POR 1120 and POR 1121.

POS 2000 The American Political Tradition - SS HP (3) AS POL
This course is an introductory survey of the historical developments and changes in American political institutions, processes, and thought.

POS 2112 State and Local Government and Politics - (3) AS POL
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.

POS 3142 Introduction to Urban Politics and Government - (3) AS POL
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and socially based public policy.
POS 3182 Florida Politics and Government - (3) AS POL
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.

POS 3283 Judicial Process and Politics - (3) AS POL
The organization, development, and functioning of American court systems, and the causes and consequences of judicial behavior from an empirical perspective.

POS 3453 Political Parties and Interest Groups - (3) AS POL
Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.

POS 3691 Introduction to Law and Politics - (3) AS POL
Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.

POS 3697 Environmental Law - (3) AS POL
Examine some of the major issues involving environmental law. Special attention to analysis of the roles of environmental law in governmental decision making; legal remedies available to challenge current laws and issues.

POS 3713 Empirical Political Analysis - (3) AS POL
Fundamentals of empirical political inquiry: systematic data collection and quantitative analyses of political phenomena. Laboratory exercises using the computer are required.

POS 3931 Selected Topics - (3) AS POL
Selected topics in political science with course content based upon student demand and instructor's interest.

POS 4204 Political Behavior, Public Opinion, and Elections - (3) AS POL
Analysis of political behaviors and public opinion with special emphasis on the more applied areas of psychology (e.g., social psychology, abnormal psychology, personality, and developmental psychology).

POS 4413 The American Presidency - 6A (3) AS POL
The presidency as a political institution; analysis of powers, legislative, executive, judicial, and foreign policy leadership; crisis management and decision making; White House staffing; limits on power.

POS 4424 The American Congress - (3) AS POL
Organization, procedures, committee system, party leadership, relations with governmental and non-governmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.

POS 4614 Constitutional Law I - (3) AS POL
Pr: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.

POS 4624 Constitutional Law II - (3) AS POL
Pr: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.

POS 4693 Women and Law I - (3) AS WST
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues.

POS 4694 Women and Law II - 6A MW (3) AS WST
Pr: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men.

POS 4905 Independent Study - (1-3) AS POL
Pr: 3.0 average in Political Science and CI. S/U only. Specialized study determined by the student's needs and interests.

POS 4910 Individual Research - (1-3) AS POL
Pr: 3.0 average in Political Science and CI. Investigation of some aspect of political science culminating in the preparation of an original research paper.

POS 4936 Senior Seminar - (3) AS POL
Pr: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.

POS 4941 Field Work - (3-15) AS POL
Pr: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.

POS 4970 Honor Thesis - (3) AS POL
Pr: Admission to Honor option. Writing of honor thesis under direction of faculty members.

POS 5094 Issues in American National and State Government - (3) AS POL
Selected topics of study in American government.

POS 5155 Issues in Urban Government and Politics - (3) AS POL
Selected issues and topics in Urban Government and politics.

POT 3003 Introduction to Political Theory - (3) AS POL
Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicism theory, and critical theory.

POT 3013 Classical Political Theory - (3) AS POL
Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POT 4045 Modern Political Theory - (3) AS POL
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.

POT 4046 Contemporary Political Thought - (3) AS POL
Examines various political ideas and phenomena in the nineteenth and twentieth centuries. Diverse theoretical types and salient political phenomena will be presented.

POT 4109 Politics and Literature - 6A LW (3) AS POL
Critical examination of the connections between politics and literature.

POT 4204 American Political Thought - (3) AS POL
Examines political writings in the U.S. and responses to critical periods in history, beginning with the Founding Fathers, and culminating in recent contributions and understanding contemporary political problems and solutions.

POT 4301 The Politics of Identity, Difference and Inequality - MW (3) AS POL
Pr: POT 3003. An analysis of how relationships of social identity and difference become the basis of social, political and economic inequality in modern societies. This course incorporates both contemporary and classical discussions of inequality.

POT 4936 Selected Topics in Political Theory - (3) AS POL
Selected topics or thinkers in political theory.

PSY 3044 Psychological Science II - SS (3) AS PSY
Pr: PSY 3213 with a grade of C or better or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

PSY 3045 Physiological Psychology - (3) AS PSY
Pr: PSY 3213 with a grade of C or better or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system and theory of brain functions.

PSY 3046 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).

PSY 3047 Psychological Science II - SS (3) AS PSY
Pr: PSY 2012 with a grade of C or better or CI. This course considers the logic of experimental design, statistical techniques, and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab. May be taken concurrently with PSY 3044.

PSY 4205 Experimental Design and Analysis - (3) AS PSY
Pr: PSY 3213 with grade of C or better or CI. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on topics from analysis of variance.

PSY 4604 History and Systems of Psychology - (3) AS PSY
Pr: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

PSY 4913 The Politics of Psychology - (3) AS PSY
Pr: CI. S/U only. A maximum of 3 credits of either PSY 4913 or PSY 4970 may count toward the major. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member.

PSY 4970 Honor Thesis - (3) AS POL
Pr: Admission to honor option. Writing of honor thesis under direction of faculty members.

PSY 4971 Selected Topics in Psychology - (3) AS PSY
Pr: Upper-level standing, psychology major and CI. Graduate-type seminar designed to provide the advanced undergraduate student with an in-depth understanding of a selected sub-area within psychology.

PSY 4972 Honors Seminar - (3) AS PSY
Pr: Admission to honors program in psychology and CI. May not count for major credit. The student, under supervision of a faculty member, will formalize, conduct, analyze, and report in writing a research project in psychology.
### PSY 4933 Advanced Topics in Applied Behavior Analysis - (4) 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 social-cultural issues.

### PUP 4323 Women and Politics - (3) AS POL
PR: MMC 2100 and MMC 3602. Theoretical and practical approaches to women's roles, experiences, and political participation will be explored. Emphasis is on the scope of research methods available to public relations practitioners, evaluation of data and report writing.

### PUR 4401 Public Relations Research - (3) AS COM
PR: PUR 3000 and LIS 2002. The study of health care policy as it relates to the policy process in the American setting.

### RAE 2930 Selected Topics: Learning Strategies - (1-4) AS ENG
To provide within any academic discipline the necessary learning strategies needed for success related to academic coursework. Practice of learning strategies will be within the framework of the student’s coursework, providing direct transfer to academic area material. Will not be counted toward the English major.

### 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 5802 Practicum I - (1) AS REH
PR: Majors Only. Must be taken concurrently with RCS 5406. S/U. Supervised experience and practice in counseling in various rehabilitation and mental health settings for a minimum of 120 hours.

### RCS 5905 Directed Studies - (1-4) AS REH
PR: CI. Supervised rehabilitation studies under the direction of a faculty member.

### RED 4310 Reading and Learning to Read - (3) ED EDE
PR: Permission to College Education. This course will prepare pre-service teachers to understand the foundations of reading and the inherent learning principles to produce successful readers. The course focuses on appropriate instructional strategies to enhance reading development and readers' progress in literacy learning. Based on individual student profiles, teachers will design instruction to enhance literacy development.

### RFE 3043 Real Estate Decision Making - (3) BA FIN
PR: FIN 3405. A research project utilizing the knowledge required to engage in real estate decision-making in the United States.
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 - M/W (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 (3) AS REL
An ethical analysis of contemporary social issues through contemporary films such as Wall Street and Crimes and Misdemeanors, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3280 Biblical Archaeology - MW (3) AS REL
An in depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3303 Comparative Religion: Judaism and Islam - M/W (3) AS REL
This course is framed within the academic study of religion, and it is not concerned with contemporary political differences in the Middle East. It treats as Islam the normative statements of the Qur'an and related traditions, and as Judaism the authoritative statements of the Torah, oral and written.

REL 3310 World Religions - (3) AS REL
A comparison of the ideas, the literature and institutions of the major religions of the world including Judaism, Christianity, Islam from the Near East and Hinduism, Taoism, Confucianism, and Buddhism from the Far East. General comparison of Western and Eastern beliefs.

REL 3330 The Religions of India - AF (3) AS REL
All religions of the world came to India and all became Indian. What is this “Indianness” which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Bahá’í. 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 majoring in Cuba, Haiti, Jamaica, and Trinidad, with emphasis on African-derived religions and Western and Eastern religious encounters.

REL 3380 Native American Religions - (3) AS REL
Introduction to and survey of Native American Religions. A variety of multiplicity of perspectives, including anthropological, historical, social psychological, sociological, and philosophical.

REL 3420 Contemporary Religious Thought - (3) AS REL
An examination of the central ideas of recent religious thinkers: such as Gandhi, Martin Luther King, Jr., Elie Wiesel, Thich Nhat Hanh, Dorothy Day, Dorothee Soelle, Howard Thurman, Thomas Merton and others.

REL 3465 Religion and the Meaning of Life - 6A MW (3) AS REL
What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3501 History of Christianity - 6A HP (4) AS REL
Historical development of 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
An introduction to Judaism: its religious tenets; its codes of ethics; its rites and customs. This course is intended as a description of what it means to be a Jew.
REL 3602 Classics of Judaism - 6A MW (3) AS REL
PR: One course in Religious Studies. How to read the principal documents of Judaism beyond the Old Testament, particularly the Mishnah, Talmuds, and Midrash.

REL 3611 History of Judaism - (3) AS REL
A study of the evolution of the religion of ancient Israel from the Exodus to the end of the second century of our era, seen against the background of its historical, geographical, political, social, and spiritual setting.

REL 3613 Modern Judaism - 6A MW L W (3) AS REL
A study of Jewish life in the West since 1789, emphasizing Jewish beliefs, practices, and institutions.

REL 3801 History of Writing - (2) AS REL
Study, in reasonable detail, of the history and evolution of writing within its societal context. We will stress the development of writing in Mesopotamia, Egypt, and the Mediterranean World, looking at the transition from oral to written literature and its impact on religion.

REL 3900 Directed Readings - (1-4) AS REL
PR: CI. Individual guidance in concentrated reading on a selected topic.

REL 3936 Selected Topics - (1-4) AS REL
Course contents depend on students’ needs.

REL 4113 The Hero and Religion - 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 - M W (3) AS REL
A study of Mormonism in America as an example of a new religion. Includes the study of history, myths and symbols, texts, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 4161 Religion, Technology and Society - (3) AS REL
An exploration 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 or CI. A survey of representative approaches to contemporary Christian ethics and their application to a number of ethical issues peculiar to personal and social life in contemporary society, with an emphasis on issues of race and gender and of violence and non-violence.

REL 4177 Comparative Religious Ethics - 6A MW L W (4) AS REL
A comparative study of religious ethics emphasizing how 20th century social activists, such as Ghandi and M. L. King Jr. and ecologists such as Rosemary Ruether and Joanna Macy, have drawn upon and transformed traditional religious stories and spiritual practices in order to create a cross-cultural and inter-religious ethic for a multi-cultural world.

REL 4193 Comparative Mysticism - (4) AS REL
A course designed to acquaint the student with the nature of mystical experience, and some of the varieties of mystical experience recorded in the writings of the mystics, East and West.

REL 4215 Ancient Israel and the Development of the Hebrew Bible - 6A HP AF MW L W (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 4218 Women and the Bible - 6A HP AF MW L W (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 4221 Who Wrote the Bible (Genesis-Kings) - 6A MW L W (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 is paid to legal, literary, and historical theories and the history of the religion(s) of the Children of Israel in their Ancient Near Eastern context.

An exploration of the Gospels and Acts, including their backgrounds in Judaism and pagan religion, literary and form criticism, historical Jesus research, and the social history of earliest Christianity.

REL 4250 Jesus’ Life and Teachings - (4) AS REL
An examination of the various historical studies made in the quest of identifying Jesus as an historical figure, the concern is to make a reasonable assessment of who Jesus was and what he was saying to the Jews in Palestine at the beginning of the common era.

REL 4333 Hinduism - (4) AS REL
The philosophy of the saints; the complex rituals of the Brahmins; the art of its temples; the psychology and physiology of yoga; the social rigidity of the caste system; the esoteric science of meditation; the ascetic activism of Mahatma Gandhi—all of these are Hinduism, and more. Close readings of classical texts, religious systems and meditation.

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 unique expression in China, Japan, and Tibet.

REL 4426 Reason in Religion: Talmudic Logic - M W (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 L W (4) AS REL
This course will explore the impact of the Holocaust on Jewish and Christian thought and identity in the light of the history of religious and cultural anti-Semitism in Western civilization.

REL 4910 Undergraduate Research - (1-4) AS REL
PR: Junior standing and CI. Individual investigations with faculty supervision.

REL 4930 Selected Topics - (3) AS REL
Course contents depend on student demand and instructor’s interest and may range over the whole field of Ancient Religions. Offerings on a semi-regular basis include the Bible as History 3.

REL 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 minors in religious studies. Discussion of 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: QMB 3200, RMI 3011. The course will analyze the use of life, health, and disability insurance contracts as a method of dealing with the financial risks of death, sickness, and disability. It will include an analysis of cost determination of the various types of insurance.

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. Consider the underwriting, marketing, and associated 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. Consider the underwriting, marketing, and social problems associated with these coverages. Topics
include workmen's compensation, public liability, auto liability, and, if dropped, then dropped simultaneously. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

RTV 4220 TV Production and Direction - (3) AS COM
PR: RTV 3001, 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 4700 Telecommunications Law and Policy - (3) AS COM
PR: for broadcast news option: MMC 3602, 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. For telecommunications sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

RUS 1120 Beginning Russian I - (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
CR: 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 in 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 325 Russian Civilization 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. Must be enrolled in the USF Summer Study in Moscow program.

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, Turgeniev, 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 Solzhenitzen. Elective for all students in all departments.

SCE 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 computers and related technologies, and (3) intricacies of sample STS topics.

SCE 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.

SCE 4310 Teaching Elementary School Science - (3) ED EDE
PR: Admission to College of Education and completion of General Distribution Requirements in the Natural Science area. Techniques and materials for teaching science in the elementary school.

SCE 4320 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) ED 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
SDS 4040 Introduction to Student Personnel Work in Higher Education - (4) ED EDN
PR: DPR. Study of student personnel services in institutions of higher education. Identification of the needs of students and of the ways to respond to meet these needs. Survey of service units and personnel roles in higher education.

SLS 1101 The University Experience - (2) ED EDG
PR: Freshman only. An extended introduction to USF. Topics include purposes of higher education, structure and function of USF, career planning, selecting a major, study skills, managing time, academic advising, computer resources, and decision-making.

SLS 2620 Leadership Fundamentals - (3) US STL
Covers a broad range of leadership topics from self-development and understanding of self, to group behavior, organizational
SLS 2401 Career Development Process - (2) US STL
Students will study vocational choice theories and participate in career decision processes. Development of self-awareness and knowledge about career opportunities and requirements is necessary for decision making. Available to lower level majors or non-majors.

SLS 4273 Theories of Leadership - (3) US STL
PR: SLS 2260, PR: SLS 4272. Course focuses on historical and modern views of leadership. Designed to assist students in establishing a general understanding of leadership theories and styles as well as the effects of various leadership theories in specific settings.

SLS 4274 Ethics and Power in Leadership - (3) US STL
PR: SLS 2260, PR: SLS 4272. Course reviews arguments for ethics in leadership as proposed by both contemporary and ancient leadership theories. It also examines theories of power and authority, and seeks answers to the apparent dilemmas through applied moral theory and psychology.

SLS 4276 Images of Leadership in Print and Film - (3) US STL
PR: SLS 2260, PR: SLS 4272. This course examines the historical development of leadership theory through contemporary times. Surveys literature and other media relevant to role of the leader and to the development and application of leadership skills.

SOP 3742 Psychology of Women - SS(3) AS WST
An examination of theories of female personality in historical perspective. Current research on sex differences, socialization, sexuality, psychology of reproduction, Emerging roles of women as related to social change and developmental tasks of the life cycle.

SOP 4004 Social Psychology - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of an individual’s behavior as it is affected by others.

SOP 4335 Social Psychology of HIV/AIDS - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. This course examines social psychology theory and research while working at an AIDS service organization. They use the research as a framework for understanding, and developing solutions to, problems confronting the organization’s staff and clients.

SOP 4614C Environmental Psychology - (3) AS PSY
PR: PSY 3213 with a grade of C or better or CI. Explores the influence 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, organizations, and communities.

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 the American social welfare system, its value base, and its response to minorities, women, children, the elderly, and the disabled.

SOW 3302 Introduction to Social Work - (3) AS SOK
An introductory course tracing the development of social work as a profession including an examination of the knowledge, skill and attitudinal base of the profession and professional roles and functions.

SOW 3401 Research and Statistics For Social Work - (4) AS SOK
PR: All provisional major courses. Restricted to full Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with 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 3102, SOW 3433. 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 - (5) 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 intervention 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 or CR: SOW 3101, SOW 4522. All provisional major courses. Restricted to full Social Work majors; others by School permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 4341. Course includes both didactic and experiential learning components.

SOW 4510 Integrative Seminar - (3) AS SOK
PR: All provisional major courses. The course focuses on the students’ understanding of multicultural and intergenerational issues.

SOW 4510L Field Placement - (6) AS SOK
PR: SOW 3302, SOW 3203, SOW 3101, SOW 4341, SOW 3102, SOW 4343, SOW 4522, CR: SOW 4333, SOW 4510L. Restricted to full Social Work majors in senior year. Integrates content and theory from core classes with practice experiences students are having in field placement.

SOW 4516 Field Placement - (6) AS SOK
PR: SOW 3302, SOW 3203, SOW 3101, SOW 4341, SOW 3102, SOW 4522, SOW 4343, CR: SOW 4333, SOW 4510L. 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 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 core 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 core 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
PR: SOW 3302, SOW 3203, SOW 3101, SOW 4341, SOW 3102, SOW 4343, SOW 4522, SOW 4343, CR: SOW 4333, SOW 4510L. Restricted to full 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 and professional goals.

SOW 5930C Selected Topics in Social Work - (1-4) AS SOK
PR: CC. Restricted to Social Work majors, both graduate and undergraduate; others by School permission. Course is taken as an elective. Various title courses will selectively expand specific social work content areas.
SPA 3002 Introduction to Disorders of Speech and Language - (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 3111 or DPR. This course introduces theoretical concepts and research findings concerning the normal developmental process of language learning as a basis for differentiating developmental delay or disorder of language.

SPA 3111 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. Complexions of normal and pathological organic structures and their functional dynamics.

SPA 3112 Applied Phonetics in Communication Disorders - (3) AS CSD
PR: Junior standing. Introduction to phonetic analysis of normal and disordered speech, including extensive training in transcription using the International Phonetic Alphabet.

SPA 3310 Introduction to Disorders of Hearing - (3) AS CSD
PR: SPA 3030 and SPA 3101. The etiology, pathology, and management of disorders of the outer ear, middle ear, inner ear, retrocochlear, and central auditory systems.

SPA 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 3633 American Deaf Culture - (3) AS CSD
PR: SPA 4614C. An overview of American Deaf Culture, including its norms, values and belief systems. This course will also provide insight to deaf history in North America, and the importance of ASL to the culturally Deaf community.

SPA 3650 Fundamentals of Interpreting - (3) AS CSD
PR: SPA 4615C. An overview of the profession of interpreting, its standards, and challenges. It provides a basic practical experience component of interpreting and transliterating skills.

SPA 3651 Intermediate Interpreting/Transliterating - (3) AS CSD
PR: SPA 3650. This course reinforces skill development and the principles of interpreting through drill, practice, and role-play activities. The principles of transliteration will also be demonstrated and practiced through classroom activities. Students will practice from audio taped, and live voice materials, and will learn the techniques of self-assessment through videotaping.

SPA 3653 Overview of Language Learning in Deaf Children - (3) AS CSD
PR: Admission to ITT 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. Emphasis on role-play and small group activities, including storytelling and poetry. One-hour laboratory course work is included.

SPA 3653L Overview of Language Learning in Deaf Children Lab - (1) AS CSD
PR: Admission to ITT 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 overlap and develop and the development of flexible use of different modes and languages, and the implications for interpreters.

SPA 3660 Introduction to Interpreting in Public Schools - (3) AS CSD
PR: Admission to ITT Program, CR: SPA 3660L. This course is designed for ISI majors but may be elected by non-majors. This course introduces the overview of the roles and responsibilities of interpreters for the deaf working in public school classes grades K - 12, an overview of historical and current public school practices in educational interpreting in the U.S.

SPA 3660L Introduction to Interpreting in Public Schools Lab - (1) AS CSD
PR: Admission to ITT Program. CR: SPA 3660. The lab assists students in assessing and improving their interpreting and transliterating skills through videotapes of simulated interpreting assignments.

SPA 3673 Introduction to Auditory Functions - (3) AS CSD
PR: Admission to ITT Program. This course is restricted to majors. An overview of hearing science and speech science relating to the educational environment. This course orients the student to the variables extent in oral-aural communication among children who have hearing impairment. It addresses techniques and methods of hearing measurement and amplification of sound as well as the interpreter’s role in audiological evaluation and speech language therapy.

SPA 4000 Communication Disorders in the Public Schools - (3) AS CSD
PR: DPR. (Non-major course only). An examination of the speech, language and hearing problems affecting school-age children and the classroom teacher’s role in the detection, prevention and amelioration of communication disorders.

SPA 4050 Introduction to the Clinical Process - MW(3) AS CSD
PR: SPA 3004 and SPA 3310. Observation and participation in speech-language pathology and audiology practicum in the University clinical laboratory. Ethical issues, multicultural concerns, and creativity are stressed through clinical and practical projects.

SPA 4201 Phonological Development and Disorders - (3) AS CSD
PR: SPA 3004, SPA 3011. An examination of normal and 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. Major theories and models of the development and origin of stuttering are also presented.

SPA 4335 Sign Language Codes - (3) AS CSD
PR: SPA 3612D, DPR. A comprehensive study of the basic course which expands the student’s signing skills and introduces American Sign Language (ASL) idioms. A two-hour of laboratory course work is included.

SPA 4335 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 various courses of application of therapeutic methodologies to reduction of communication handicaps.

SPA 4613C Intermediate American Sign Language - (4) AS CSD
PR: SPA 4612D, 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 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 level. Emphasis on idioms, body language, and facial expression as an integral part of ASL. One hour of laboratory course work is included.

SPA 4615C American Sign Language 4 - (4) AS CSD
PR: SPA 4614C. This course is a continuation of the study of American Sign Language (ASL) at the highly advanced level. It provides added emphasis on skill development of the language, including storytelling and poetry. One-hour laboratory course work is included.

SPA 4617 Structure of Sign Language - (3) AS CSD
PR: SPA 4383 and SPA 4615L. A comprehensive introduction to the linguistic structure of American Sign Language (ASL). Topics include phonetics and phonemes; phonological processes; the identification, structure and description of morphemes and principles of syntactic augmentation; detailed examination of the major syntactic structures of ASL; and the place of phonology, morphology, and syntax in terms of the larger context of grammar.
SPA 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 4646 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 to interpreting skills in educational situations. Focuses on the professionalism and integration of their roles into educational settings.

SPA 4654 ASL to English Interpreting - (3) AS CSD  
PR: SPA 3651. This course focuses on skills development and the principles of sign to voice interpreting and transliterating through drill practice, role-play, and projects. Students will practice from video taped and live materials, and will learn the techniques of self-assessment through videotaping.

SPA 4662 Interpreting in Public Schools I - (3) AS CSD  
PR: Admission to ITT Program. CR: SPA 4386L. This course is restricted to majors only. This course provides techniques for interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes integrating practices and understanding teaching methods.

SPA 4662L Interpreting in Public Schools I Lab - (1) AS CSD  
PR: Admission to ITT Program. CR: SPA 4386. This course is restricted to majors only. This course provides practical application of interpreting 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 4663 Interpreting in Public Schools II - (3) AS CSD  
PR: SPA 4386, SPA 4386L. CR: SPA 4662L. This course is restricted to majors only. This course provides advanced techniques for interpreting instructional/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 II Lab - (1) AS CSD  
PR: Admission to ITT Program. CR: SPA 4662. This course is restricted to majors only. This course provides advanced assessment of interpreting skills and interpreting integration of targeted school classes and activities. Selection criteria for using a particular sign system, mode, or language will be assessed and discussed in individualized meetings.

SPA 4685 Practicum: Interpreting in Schools - (1-8) AS CSD  
This course is restricted to ITT 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: Junior standing or CI. A study of selected public address addresses as aids to increased understanding of speaking skills.

SPC 2600 Public Speaking - SS(3) AS SPE  
The nature and basic principles of human communication; emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experience in public discourse.

SPC 3212 Communication Theory - (3) AS SPE  
PR: Junior standing or CI. The study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.

SPC 3245 Rhetorical Theory - HP(3) AS SPE  
This course surveys the foundations and historical evolution of major concepts, issues, theorists, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

SPC 3513 Argumentation and Debate - (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.

SPC 3602 Advanced Public Speaking - (3) AS SPE  
PR: SPC 2600 or CI. Study and application of communication strategies in speaking extemporaneously and from manuscript. This course includes study of selected public address addresses as aids to increased understanding of speaking skills.

SPC 3631 Rhetoric of the Sixties - HP(3) AS SPE  
Survey of the rhetorics associated with the civil rights movement, the anti-Vietnam War movement, the counterculture, the black power movement, and the women's movement.

SPC 3633 Popular Forms of Public Communication - (3) AS SPE  
PR: Junior standing or CI. Analysis of public communication with emphasis on various presentational forms.

SPC 3680 Rhetorical Analysis - (3) AS SPE  
This course introduces students to fundamentals of message analysis. Student experience in persuasive strategies and language in oral and written discourse.

SPC 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.,
SPN 1120 Beginning Spanish I - (4) AS WLE
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.

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. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

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. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish.

SPC 4201 Oral Tradition - (3) AS WLE
Introduction to the study of oral traditions and their influence on culture and human thought. Includes analysis of oral storytelling, oral history, and the relationship between oral and written cultures.

SPC 4230 Rhetoric and Social Change - (3) AS SPE
Examines the relationship between rhetoric and social change, focusing on how rhetoric is used to shape public opinion and influence political outcomes.

SPC 4310 Relationships on Film - (3) AS SPE
Standard Spanish for Business - (3) AS WLE
May not count as Spanish major elective. 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 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 a discussion course, open to all majors and minors.

SPN 3342 Advanced Spanish for Native Speakers - (3) AS SPE
CR: SPN 3340. Open to Spanish and Business majors and minors. Continuation of SPN 3340. 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 all majors and minors.

SPN 3343 Advanced Spanish for Native Speakers - (3) AS SPE
CR: SPN 3340. Open to Spanish and Business majors and minors. Continuation of SPN 3340. 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 all majors and minors.
motivating teenage youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present instructional plan(s) demonstrating use of various methods, techniques, and materials that achieve concrete outcomes. Theoretical foundations of social studies are also examined.

SSE 4333 Teaching Secondary Grades Social Science - (3) ED EDW
PR: SSE 4333. This course is a continuation of SSE 4333 with further development of the instructional techniques and strategies and the information, skills, and modes of reasoning unique to the social sciences with an emphasis on the secondary school environment. The teaching profession, school settings, legal, and classroom management related issues are also studied. Fieldwork in a high school is required.

SSE 4380 Global And Multicultural Perspectives in Education - MW (3) ED EDW
PR: EDG 3604 and EDG 4620, or DPR. Examination of the major issues surrounding global and multicultural perspectives in education. Available to non-Education majors.

SSE 4934 Internship: Social Science Education - (1-12) ED EDW
CR: SSE 4936. S/U only. A television course focusing on content and teaching methodology related to micro/macro economic principles.

SSE 4935 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 4936 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 internship experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 Semester hours.

SSE 5331 Foundations, Curriculum & Instruction of Social Science Education - (3) ED EDI
Social studies curriculum, methods of instruction and social, philosophical and psychological foundations are examined. Students are expected to plan and present instructional plan(s) appropriate to middle and secondary school levels demonstrating command of the course content.

SSE 5332 Methods & Strategies in Social Science Education - (3) ED EDI
Social studies methods and strategies are examined with an emphasis on the secondary school environment. The teaching profession, school settings, and current issues are examined. Students are expected to plan and present instructional plan(s) appropriate to senior high school demonstrating command of the course content.

SSE 5336 Teaching Social Science Themes - (3) ED EDI
PR: SSE 5331, 5332: SSE Majors only. The course is a laboratory-based, capstone course in which the knowledge, skills, and dispositions learned in SSE 5333 and SSE 5334 are brought together and demonstrated by students teaching social studies content using the thematic approaches adopted by the National and State accrediting bodies.

SSE 5341 Reading and Basic Skills in the Content Area - (3) ED EDI
Reading skills and the other basic skills as applied to the social studies are examined. Students are expected to plan and present instructional plan(s) appropriate to the social studies classroom demonstrating command of the course content. Fieldwork in a middle school is required.

SSE 5641 Economic Decision-Making for Teachers - (3) ED EDW
PR: SSE 5641. Economic Decision-Making for Teachers: (3) ED EDW
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 secondary 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 materials that achieve concrete outcomes. Theoretical foundations of social studies are also examined.

SSE 5334 Teaching Middle Grades Social Science - (3) ED EDW
This course is designed to study techniques and strategies employed by social sciences teachers that are effective in motivating teenage youth to acquire the information, skills, and modes of reasoning unique to the social sciences. Students are expected to plan and present instructional plan(s) demonstrating use of various methods, techniques, and materials that achieve concrete outcomes. Theoretical foundations of social studies are also examined.
SYA 3300 Qualitative Inquiry - 6A LW (4) AS SOC
PR: SYG 2000 or CI. DPR. Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives.

SYA 4910 Individual Research - (1-3) AS SOC
PR: Four courses in sociology, including SYA 3300, upper level standing, at least 3.0 overall GPA, or CI. DPR. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration.

SYA 4930 Topics in Sociology - (3) AS SOC
Selected specialized topics in Sociology. Topics such as AIDS in society, drugs in society, systems in education, sociology of childhood, public life, socio-biology. Content will vary by semester and by section. See class schedule for specific contents each semester. This course, in different content areas, may be repeated for credit.

SYA 4935 Senior Seminar - M W (3) AS SOC
PR: Senior standing. SYG 2000. SYA 3010. SYA 3300 plus 6 hours of Sociology electives. Majors only. DPR. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of relevance in today’s society. Topic changes by instructor.

SYA 4740 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 10 hours of volunteer work per week, and a weekly seminar on the application of sociological concepts to social life. No credit for Sociology majors.

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 and models to peasant life in the Third World. An opportunity to study major peasant resettlement projects in a variety of settings.

SYD 4140 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 analysis 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) ASSOC
An exploration of the 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 - AF (3) AS SOC
An exploration of the experiences of Latinas in the United States. Uncover and examine such sociological themes as oppression, migration, work, family, activism, spirituality, and sexuality through short stories, poetry, and scholarly research.

SYO 3120 Sociology of Families - (3) AS SOC
With a goal to understand American families in the present, this course will examine variations in family types by social class, race, ethnicity, and historical era. Exploration of current controversies about how families should be organized and about what they should do for their members as well as 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 dimensions 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 4260 Sociology of Education - (3) AS SOC
PR: SYO 2020. Application of sociological theory to the social institution of education. Primary attention directed toward the social organization of educational systems.

SYO 4370 Occupations and Professions - (3) AS SOC
PR: SYO 2000 or CI. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on the process of professionalizing service occupations like police work, business management, public administration and social work.

SYO 4400 Medical Sociology - (3) AS SOC
PR: SYO 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 healthcare.

SYO 4430 Disability and Society - MW (3) AS SOC
PR: SYO 2000 or CI. Examination of the applicability of sociological concepts to the experience of disability, and of disability as a means to a better understanding of the nature of social experience.

SYP 3000 Social Psychology - SS (3) AS SOC
An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.

SYP 3060 Sociology of Sexualities - (3) AS SOC
Explores the interactions, among and between people, and the 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 complexity of the causes and consequences of physical and emotional violence among family members. Topics include the meanings and behaviors of violence, the process of help-seeking, and social interventions for offenders and victims. Open to nonmajors.

SYO 4330 Sociology Of Deviance - (3) VP TAR
PR: SYO 2000 or CI. A study of a significant playwright or grouping of playwrights, reflecting similar characteristics.

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.

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THE 2305 Script Analysis - (3) VP TAR
PR: Sophomore standing. THE 2020. This course teaches theatre students the techniques of close reading of dramatic texts.

THE 3110 Theatre History I - MW (3) VP TAR
PR: Sophomore standing. THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally fifteen plays will be read. Required of all theatre majors. Open to upper division non-majors.

THE 3111 Theatre History II - MW (3) VP TAR
PR: Sophomore standing. 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 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 4254 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 social influences. (A requirement in the design track/scenic.)

THE 4266 Architecture And Decor - (3) VP TAR
PR: Sophomore standing. Open to upper level non-majors with CI. A survey of architecture and furniture from ancient Egypt to the 20th Century. (A requirement in the design track/scenic.)

THE 4320 Theatre Of Myth And Ritual/Northern European (950-1600) & Oriental (400-1200) - 6A MW LW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. An investigation into the interrelationship of myth, ritual, and theatre. Considers northern European liturgical and secular plays as compared with Hindu, Chinese, and Japanese drama.

THE 4330 Shakespeare For The Theatre - 6A MW LW (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 their performance values.

THE 4360 The 19th Century Theatre Revolution - 6A MW LW (3) VP TAR
PR: Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity.

THE 4401 O Neill And And And - 6A MW LW (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 4434 Caribbean Theatre - 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, and the residual effects of the colonialism and the turbulence of independence as expressed in the dramatic art and theatre of the English-speaking West Indies.

THE 4435 Theatre Of Pluralism - 6A MW LW (3) 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, and artistic achievements.

THE 4442 Comedy Of The Classic And Neo-classic Stage - 6A MW LW (3) VP TAR
PR: THE 3110 or THE 3111. Open to upper level non-majors with CI. A study of comical function in scripts from Greek and Roman, Restoration and French Neo-classic of the late 17th century and other plays from the late 18th and late 19th centuries which reflect similar characteristics.

THE 4490 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THE 4930</td>
<td>Selected Topics In Theatre</td>
<td>1-8</td>
<td>TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to Theatre majors. Open to non-majors.</td>
<td>The course will include lectures, demonstrations, individual student presentations, and studio activities. The course 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.</td>
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<tr>
<td>TPA 3007</td>
<td>Introduction to Design II</td>
<td>3</td>
<td>TPA 3004. Open to non-majors.</td>
<td>The course will include lectures, demonstrations, individual student presentations, and studio activities. The course 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.</td>
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<tr>
<td>TPA 3208</td>
<td>Drafting and CAD I</td>
<td>3</td>
<td>TPA 2200, TPA 2290L, TPA 2290L, and TPA 2291L. Open to non-majors.</td>
<td>The course will include lectures, demonstrations, individual student presentations, and studio activities. The course 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.</td>
</tr>
<tr>
<td>TPA 3221</td>
<td>Lighting Theory And Practice</td>
<td>3</td>
<td>TPA 3208 or CI. Open to non-majors.</td>
<td>The course will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.</td>
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<tr>
<td>TPA 3231</td>
<td>Costume Construction</td>
<td>3</td>
<td>TPA 3208 or CI. Open to non-majors.</td>
<td>The course will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.</td>
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<tr>
<td>TPA 3265</td>
<td>Sound For The Stage</td>
<td>3</td>
<td>TPA 2200, TPA 2290L, TPA 2211, and TPA 2291L. Open to non-majors.</td>
<td>The course will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.</td>
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<tr>
<td>TPA 3296</td>
<td>Design Practicum</td>
<td>3</td>
<td>TPA 3008. Open to non-majors.</td>
<td>The course will provide an opportunity to develop skills and techniques in the visual presentation of various design and technical draftings. Open to non-majors.</td>
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<tr>
<td>TPA 4011</td>
<td>Design Studio I</td>
<td>3</td>
<td>TPA 3208 and TPA 3208 plus two of TPA 3231, TPA 3221, or TPA 3251. TPA 4011 will include studio design project activities in the areas of costume, lighting, and scenic design. The course 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 the project will emphasize the process followed in the development of the design including thematic/idea sketching, research, and production concept. The course will include seminar (production) discussions, lectures, demonstrations, individual and group work, and individual student presentations.</td>
<td>Open to non-majors with CI. The course 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 the project will emphasize the process followed in the development of the design including thematic/idea sketching, research, and production concept. The course will include seminar (production) discussions, lectures, demonstrations, individual and group work, and individual student presentations.</td>
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and processes involved with the development of a design from the first meeting to the final paper/model design.

TPA 4077 Scene Painting - (2) VP TAR
PR: TPA 3007. Open to upper level non-majors with CI. A practical sequence in the painting of stage scenery; media and application.

TPA 4273 Stage Properties: Techniques And Materials Studio - (2) VP TAR
PR: TPA 3007. Open to upper level non-majors with CI. Demonstration of and experience with materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop.

TPA 4293 Production Involvement II - (1) VP TAR
PR: TPA 2292 or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the student's completion of a PI request form, available in the Theatre Office, and enrollment in this course.

TPA 4298 Advanced Design Practicum - (3) VP TAR
PR: TPA 4011. A studio/laboratory course in the practical aspects of production. The course is intended to provide real-world 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 directed by the faculty throughout the process of developing and realizing a production design/craft/skill.

TPP 2110 Voice-Body-Improvisation - (3) VP TAR
Exploring the elements basic to acting skills, a participation course. Required of all theatre majors. PR: TPP 2110 or TPP 2110. May be repeated for credit. Open to non-majors.

TPP 2190 Studio Theatre Performance I - (1) VP TAR
PR: TPP 2110, THE 2020. A practical laboratory involving the rehearsal and performance of a major production. Activities may include acting, directing, stage management, and the activities of the performance production crews. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 2500 Body Disciplines - (2) 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 3121 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 3155 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 performance. The student will complete several experiences of role-play or 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 3160 Scene Study II - (3) VP TAR
PR: Audition and TPP 3920. A continuation of Scene Study I with greater emphasis on addressing individual needs in order to explore emotionally complex characters and situations in a more systematic way. This course will be team taught by the Performance faculty.

TPP 4140 Styles Of Acting - (3) VP TAR
PR: TPP 3155 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 of major significance. Open to majors 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. Placement by audition. If cast in production student must accept role. Required of all Theatre majors. May be repeated. Open to non-majors with CI.

TPP 4194 Audition Workshop For Actors - (2) VP TAR
PR: TPP 3155 or TPP 3921. Preparation for professional audition; discussion of professional objectives.

TPP 4310 Directing I - (3) VP TAR
PR: TPP 3155 or TPP 3230. 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 3155 or TPP 3921. An elective sequence in writing, in which the student first encounters the problems unique to dramatic language and situation, then progresses to complexities of character, plot, and stage dynamics. Normally the aim would be a one-act play or monologue course.

TPP 4920 Senior Workshop For Actors - (3) VP TAR
PR: TPP 2500, TPP 3790, TPP 3155, or TPP 3921. A workshop in advanced vocal and movement techniques. Open to upper level non-majors by audition only. Required of all theatre majors. May be repeated. Open to non-majors with CI.

TPP 4923 Music Theatre Workshop - (3) VP TAR
PR: TPP 2110 and audition. Open to non-majors by audition only. Exploration of Musical Theatre materials and performance techniques for the performer. Individual and ensemble work.

TSL 4374 Methodology of Teaching English Overseas - (3) AS WLE
PR: Upper-level standing. Designed to introduce and prepare the enrolee in the various facets of teaching English as a foreign language in the overseas setting. It will include aspects of teaching verbal skills and comprehension as well as writing. It involves a practicum at the English Language Institute on campus.

TSL 5321 ESL Strategies for Content Area Teachers - (3) AS WLE
PR: TPP 3155 or TPP 3921. A studio/laboratory 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.

TSL 5372 ESOL Curriculum and Instruction - (3) AS WLE
PR: TSL 5371. Lecture course on testing English as a second/foreign language.

TSL 5471 Language Testing - (3) AS WLE
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5521 ESOL Strategies for Content Area Teachers - (3) AS WLE
PR: TPP 3155 or TPP 3921. A studio/laboratory 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.

TSL 5602 Teaching English as a Second Language - (3) AS WLE
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5722 ESOL Curriculum and Instruction - (3) AS WLE
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5731 Language Testing - (3) AS WLE
PR: TSL 5371. Lecture course on testing English as a second/foreign language.

TSL 5871 Cross-Cultural Issues in ESL - (3) AS WLE
PR: TPP 3155 or TPP 3921. A studio/laboratory 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.

TTE 4004 Transportation Engineering I - (3) EN EGX
PR: EGN 3321. Principles of surface transportation system development, design, and operations; administration, modal characteristics, capacities, and functional classifications; vehicle kinematics, human factors and minimum design standards; traffic flow theory and queuing, capacity and signalization; transportation planning and economics.

TTE 4600 Transportation Engineering II - (3) EN EGX
PR: TTE 4004. Techniques for the geometric route design of surface transportation systems; horizontal and vertical alignments. Spiral curves, superelevations and earthwork analysis; drainage, soil and a rigid pavement. Open to non-majors with CI. May be repeated. Open to non-majors with CI.

TTE 4601 Transportation Engineering III - (3) EN EGX
PR: TTE 4004. Techniques for the geometric route design of surface transportation systems; horizontal and vertical alignments. Spiral curves, superelevations and earthwork analysis; drainage, soil and a rigid pavement. Open to non-majors with CI. May be repeated. Open to non-majors with CI.
TTE 4821 Transportation Systems Design - (2) EN ENX
CR: TTE 4005. Comprehensive surface transportation design laboratory experience involving function design, traffic and facility sizing, complete alignments, site surveying & layout plan and quantity preparation with computerized designed applications.

TTE 5205 Traffic Systems Engineering - (3) EN ENX
PR: TTE 4004 or equivalent. Traffics models, intersection analysis, capacity analysis, data methods, prediction, parking studies, volume and speed studies, freeway management, and advanced technologies.

TTE 5501 Transportation Planning and Economics - (3) EN ENX
PR: College Algebra & Cl. Fundamentals of urban transportation planning, trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation an choice of transportation alternatives.

URP 4550 City Planning and Community Development - (3) AS PO
An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.

URP 4052 Urban and Regional Planning - (4) AS GPY
PR: GEO 3402, GEO 3602. The geographic foundations of the modern city, metropolitan development, and the trend toward megacities. The policy, politics, and the political process. The nature of urban and metropolitan problems.

URS 3002 Introduction to Urban Studies - (3) AS ISS
An interdisciplinary introduction to the history of urbanization in the United States and the diverse communities it has created. Study of the Tampa Bay region is emphasized.

VIC 3001 Introduction to Visual Communications - (3) AS COM
PR: MMC 2100 and MMC 3602. Survey of visual communication theory, techniques and contemporary application in the visual media. Critical examination of visual communication in newspapers, magazines, television, motion pictures and new media.

VIC 3943 Visual Communication Practicum - (1) AS COM
PR: Senior standing and CI. For visual communications sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

WST 2250 Female Experience in America - HP (3) AS WST
The female experience in America, in historical context, with an emphasis on women in families of various classes, races, and ethnic groups from colonial times to 1870.

WST 2600 Human Sexual Behavior - SS (3) AS WST
The dynamics of human sexuality, biological, constitutional, cultural, and psychological aspects. The range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially human sexuality.

WST 3010 Introduction to Women's Studies - SS AF (3) AS WST
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3210 European Feminist History: Pre-18th Century - 6AH (3) AS WST
Survey of European feminist history prior to the 18th century (focusing primarily on Western Europe). Examines women's lives, roles, ideas, as well as origins of Western attitudes toward relation of power to gender, race and class. No prerequisites.

WST 3220 Women in Western Civilization II - HP (3) AS WST
Survey of European women from the late Middle Ages to the twelfth century: differing conceptions of historical change for women and men.

WST 3225 Women, Environment and Gender - M W (3) AS WST
Course designed to: provide students with a basic understanding of relationships between women's physical, health and occupational environments; consider the position of women regarding environmental issues; examine role that women can and do play in effecting environmental change; and analyze concepts and methodologies. Linking student learning experience to future plans.

WST 3311 Issues in Feminism - SS (3) AS WST
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3400 Women and Social Action - SS (3) AS WST
Course focuses on ordinary women working collectively in diverse social settings to empower themselves and others to challenge gender stereotypes; to reduce harassment, poverty, violence and homelessness; to enhance health-care and family life and to confront barriers in education, the media and the criminal justice system.

WST 4262 Literature by American Women of Color - 6A LW (3) AS WST
Will not be counted toward the English major. An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicanas/ U.S. Latinas. Readings will include literature and contextual articles on historical and cultural issues.

WST 4310 Feminism in America - 6A MW (3) AS WST
A study of feminist critiques of American women's experiences and status, and their implications for women's lives, by 19th- and 20th-century theorists, and how adequately these various critiques address the intersections of gender, class, ethnicity, and race.

WST 4320 Woman's Body/Woman's Mind - (3) AS WST
An analysis of the historical, social and political perspectives of women's health and healing experiences, and how woman's role as patient and provider of care are shaped by public and cultural assumptions.

WST 4335 Women and Film - (4) AS WST

WST 4350 Women and Science - M W (3) AS WST
A study of issues related to women and the natural and physical sciences including: historical participation of women in science, current status of women in science, and feminist critiques of science as a discipline.

WST 4360 Third World Women Writers - 6A LW (3) AS WST
Will not be counted toward the English major. Introduces the literature of women from various anglophone countries in Africa, the Caribbean, and South Asia; some U.S. writers will be included to represent a third world diasporic consciousness.

WST 4522 Classics in Feminist Theory - M W (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.)

WST 4560 Contemporary Feminist Theory - (3) AS WST
PR: Completion of one upper division Women's Studies course. An exposure to and an exploitation 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 4900 Directed Readings - (1-3) AS WST
PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest.

WST 4910 Directed Research - (1-3) AS WST
PR: Registration requires written contract signed by student and instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest.

WST 4930 Selected Topics - (1-4) AS WST
Study in special areas such as Women and Work, Reproductive Law, Women and Health.

WST 4935 Seminar in Women's Studies - (3) AS WST
PR: Women's Studies Major and 24 credit hours in Women's Studies. Recognizing the interplay between personal connections and intellectual experience, this capstone course is designed to focus on topical areas related to women's studies and facilitate linking student learning experience to future plans.

WST 5308 Feminist Spirituality - (3) AS WST
Open to non-majors. Focuses on the many voices of contemporary feminist spirituality, emerging from women's experiences in diverse religious, ethnic and cultural traditions, and representing a range of theoretical perspectives from biblical feminism to goddess worship and wicca.

WST 5355 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 5934 Selected Topics - (1-4) AS WST
PR: DPR. Study of current research methods and scholarship on women from a multidisciplinary perspective.

WST 5945 Internship in Wsstudies - (3) AS WST
Student placement in an approved intern setting for a minimum of 150 hours of supervised experience. S/U. Only. Majors Only. All required courses in MA program, CC. Permit.
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 (cladistics) 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 - M/W (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: MCB 3020C, 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: Cl. Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Lec.-lab. Field trip.

ZOO 5456C Ichthyology - (3) AS BIO
PR: Senior or GS in Biology; ZOO 3323C. Cl. PCB 4674 is suggested. Evolution, systematics, structure, behavior, physiology, and ecology of fishes.

ZOO 5456L Ichthyology Lab - (1) AS BIO
CR/PR: ZOO 5456C Laboratory portion of Ichthyology relating to evolution, systematics, structure, behavior, physiology and ecology of fishes.

ZOO 5555C 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.
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Certificate Programs, College of Engineering 163
Certificate Programs, College of Public Health 173
Change of Major 43
Cheating 46
CHEMICAL ENGINEERING 152
CHEMISTRY (CHS/CHM) 85
Childhood/Language Arts/Reading Education 136
Chiropractic School, Specific Requirements for 77
CIVIL AND ENVIRONMENTAL ENGINEERING 153
Class Standing 43
CLASSICS (CLS) 117
CLEP 60
Clubs and Other Organizations 32
College Level Academic Skills Test (CLAST) 38
College Level Examination Program (CLEP) 60
College Reach-Out Program 60
College Requirements for Graduation 133
Commencement 58
Communicating With The University 2
COMMUNICATION (SPE) 87
COMMUNICATION SCIENCES AND DISORDERS (LSH, ITT, DST) 88
Community Experiential Learning (CEL) Program 61
COMPUTER SCIENCE AND ENGINEERING 155
Computer Service (SC) Courses 164
Contemporary Art Museum (CAM) 188
Contents 3
Continuously Enrolled Degree-Seeking Student 36
Correspondence Courses 61
Counseling Center for Human Development 28
Course Attendance at First Class Meeting 37
Course Descriptions 204
COURSE INFORMATION, GENERAL 199
Courses, Availability of 36
Credit by Examination 53
CRIMINOLOGY (CCJ) 90
Cross Enrollment 60
DANCE (DAN) 188
Dean’s List 44
Declaration of Major 37
Degree Programs and Common Prerequisites 4
Degree Programs, College of Arts and Sciences 71
Degrees in Memoriam 57
Degrees Offered 8
Dental School, Specific Requirements for 77
Disabilities, Guide to Resources for Students with 10
Disability Services 24
Double Undergraduate Major 56
Drops 37
Dual Enrollment 18
Dual Enrollment (Public/Private High/Home School) 18
E
Early Admission Applicants (Freshmen) 14
EARLY CHILDHOOD EDUCATION: Pre-Kindergarten/Primary 136
ECONOMICS (ECN) 127
ECONOMICS (ECO) 91
Education Advising 133
EDUCATION FACULTY 146
Educational Outreach 61
Educational Measurement and Research 141
ELECTIVE PHYSICAL EDUCATION PROGRAM 142
ELEMENTARY EDUCATION 137
ENGINEERING, COLLEGE OF 147
Engineering, Preparation for 147
ENGLISH (ENG) 92
ENGLISH EDUCATION 137
English Language Institute 35
Enhancement, Certificate of 164
Enrollment Planning and Management 26
ENVIRONMENTAL SCIENCE AND POLICY (EVR) 93
EQUAL OPPORTUNITY POLICY 9
Equal Opportunity Policy 9
Evaluation and Testing 174
Evening Courses 17
Evening Courses, Enrollment in 60
EXIT REQUIREMENTS 50
F
Facilities and Atmosphere 10
Faculty, College of Arts and Sciences 122
Faculty, College of Education 146
Faculty, College of Engineering 165
Faculty, College of Marine Science 167
Faculty, College of Nursing 171
Faculty, College of Visual & Performing Arts 198
Fees 20
Fees Liability 22
Fees Payment 22
Final Examinations 43
FINANCE (FIN) 128
Financial Aid 22, 27
FINANCIAL INFORMATION 20
Florida College Exchange Program 61
Florida Community College System 18
Florida Mental Health Institute 166
Florida Residency For Tuition Purposes 20
FOREIGN LANGUAGE EDUCATION 138
Foreign Language Graduation Requirement 53
Foreign Language Placement 54
Former Student Returning 36
French (FRE) 119
Freshman English Requirement 53

G
General Admission Policies 12
GENERAL BUSINESS (GBA) 126
GENERAL COURSE INFORMATION 199
GENERAL EDUCATION COURSE REQUIREMENTS 47
GEOGRAPHY (GPY) 95
GEOLOGY (GLY) 95
George Jenkins Scholars Program 25
German (GER) 120
GERONTOLOGY (GEY) 97
Gordon Rule 39
GOVERNMENT & INTERNATIONAL AFFAIRS (INT/POL/PAD) 98
Grade Forgiveness Policy 42
Grade Point Average 41
Grading System 41
Graduation, Application for 57
Graduation Requirements 53
Graduation Requirements, College of Engineering 163
Graphicstudio 188
Guide to Resources for Students with Disabilities 10

H
Health Professions 77
Health Professions Schools, Requirements for 77
HISTORY (HTY) 101
Honors at Graduation 57
HONORS COLLEGE 67
Honors College 17
Hospitality Management 175
Hospitality Management, B.S. in 175
HUMANITIES (HUM) 101

I
I Grade Policy 41
Immunization Policy 29
Independent Study 60
INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING 159
INDUSTRIAL-TECHNICAL EDUCATION 135
INFORMATION SYSTEMS AND DECISION SCIENCES (ISM) 129
Information Technologies/CFRDC 66
Information Technology, Bachelor of Science in 174, 176
INTERDISCIPLINARY NATURAL SCIENCES (INS) 102
Interdisciplinary Social Science, B.A. in 63
INTERDISCIPLINARY SOCIAL SCIENCES (ISS) 103
International Affairs 34
INTERNATIONAL AFFAIRS CENTER 34
International Applicants (nonresident aliens) 16
INTERNATIONAL BUSINESS (ITB) 130
International Student and Scholar Services 34
INTERNATIONAL STUDIES (INT) 98
IT Certificate Programs 177
Italian (ITA) 120
Italian Studies, Certificate in 73

J
Judicial Procedures 33

K
Kosove Scholarship Program 25

L
Latin American and Caribbean Studies, Certificate 74
Leadership Development 134
Learning Communities 17
LIBERAL ARTS REQUIREMENTS 47
LIBERAL STUDIES (ALA) 104
Library and Information Science (LIS) 105
Library System 64
Louis de la Parte Florida Mental Health Institute 166

M
M Grade Policy 41
MANAGEMENT (MAN) 129
MARINE SCIENCE, COLLEGE OF 167
MARKETING (MKT) 129
MASS COMMUNICATIONS (COM) 105
MATHEMATICS (MTH) 107
MATHEMATICS EDUCATION 139
McNair Scholars Program 25
MECHANICAL ENGINEERING 161
Medical School, Specific Requirements for 77
MEDICAL TECHNOLOGY (MET) 108
Military Science 179
Minimum Requirements for Admission 13
Mission and Goals 9
Modern Greek (GRK) 120
MODERN LANGUAGES (FRE/GER/GRK/ITA/RUS/SPA) 119
Modern Western European Studies, Certificate in 74
MUSIC (MUS) 190
MUSIC EDUCATION 193
**N**

Naval Science 180  
Naval ROTC 180  
Non-Degree Seeking Student 17  
NURSING, COLLEGE OF 168  
NURSING PROGRAM (FOR REGISTERED NURSES) 170  
NURSING PROGRAM (NON/LICENSED) 170

**O**

Off-Campus Housing 31  
Optometry School, Specific Requirements for 78  
Orientation 27  
Orientation and Initial Advising 37

**P**

Parents Association 25  
Parking and Transportation 23  
Pasco-Hernando Community College, USF at 63  
Payment of Accounts Due the University 22  
Personal Excellence Program 25  
Pharmacy School, Specific Requirements for 78  
PHILOSOPHY (PHI) 109  
Phyllis P. Marshall Center 31  
Physical Education 141  
PHYSICAL EDUCATION, WELLNESS LEADERSHIP AND ATHLETICS 142  
Physical Therapy School, Specific Requirements for 78  
Physician Assistant School, Specific Requirements 78  
PHYSICS (PHY/PHS) 110  
Plagiarism 46  
POLITICAL SCIENCE (POL) 99  
Posthumous Degrees 57  
Pre-Law Plan in Political Science 100  
Project Thrust 25  
Provost's List 44  
Psychological and Social Foundations 144  
Psychological and Social Foundations of Education 144  
PSYCHOLOGY (PSY) 111  
Public Broadcasting 66  
PUBLIC HEALTH, COLLEGE OF 172  
Public Administration (PAD) 100

**Q**

Qualifications for Internship Experience 133

**R**

Readmission (Former Students Returning) 18  
Refund of Tuition 22  
Registrar, Office of the 27  
Registration for Admitted Degree-Seeking Students 36  
Regulations, College of Engineering 162  
REHABILITATION AND MENTAL HEALTH COUNSELING (REF) 112  
RELIGIOUS STUDIES (REL) 113  
Repeat Course Surcharges 38  
 Repeat Course Work 56  
Requirements for B.A. Degrees, College of Visual & Performing Arts 183  
Requirements for B.A./B.S. Degree, College of Business Administration 125  
Requirements for B.A./B.S./B.S.W. Degree, College 71  
Research, Office of 66  
Residence Services 30  
Russian (RUS) 120  
Russian Studies, Certificate in 75

**S**

S/U Grade System 41  
S/U Grading in the College of Visual & Performing 184  
SASS 26  
SCIENCE EDUCATION 139  
Second Baccalaureate Degree (Transfer Students) 57  
Second Undergraduate Major 56  
Secondary Education 137  
Semester System 36  
Senior Citizen Tuition Waiver 18  
SOCIAL SCIENCE EDUCATION 141  
SOCIAL WORK (SOK) 114  
SOCIOLOGY (SOC) 115  
Spanish (SPA) 120  
Special Education 144  
Special Events Center 31  
Standards and Student Judicial Procedures 33  
Standards of Conduct 33  
Standards of Student Conduct  
Student Judicial Procedures 32  
Statement of Institutional Purpose 9  
Student Academic Grievance Procedures 44  
Student Academic Support System (SASS) 26  
Student Activities 31  
STUDENT AFFAIRS & STUDENT SERVICES 24  
Student Affairs, Division of 24  
Student Disability Services 24  
Student Disability Services, Campus Contacts for 10  
Student Government 31  
Student Health Services 28  
Student Information Changes 43  
Student Information, Release of 59  
Student Leadership 181  
Student Life and Wellness 28  
Student Organizations and Activities 145  
Student Organizations, College of Arts and Science 120  
Student Organizations within the College of Business 130  
Student Publications 33  
Student Records Policy 58  
Student Relations 28
Student Support Services Program 26
Student's Choice of Catalog 56
Students with Disabilities 10
Study Abroad and Exchanges 34
Summer Enrollment Requirement 53
SunCoast Area Teacher Training Program (SCATT) 134

T
Teacher Education Programs 79, 132
THEATRE (TAR) 196
Transcript Information 38
Transfer Applicants, Lower-Level 14
Transfer Applicants, Upper-Level 15
Transfer Credit, Evaluation of 15
Transfer of Credit To USF 36
Transient Applicants 16
Transient Students 60
Tuition 20
Tuition, Release of 22
Two Degrees (USF Students) 57

U
Undergraduate Advising Information, College of Art 70
UNDERGRADUATE STUDIES 174
Undergraduate Transfer Applicants 14
University Bookstores 33
University Police 10
Upward Bound 60
Urban Studies, Certificate in 75
USF I.D. Card 33
USF North Pinellas 63

V
Veterans Affairs (VA) Benefits 23
Veterinary School, Specific Requirements for 78
Victims’ Advocacy Program 11
Visiting The University 2
VISUAL & PERFORMING ARTS, COLLEGE OF 182

W
Washington Internship Program 61
Withdrawal 38
WOMEN’S STUDIES (WST) 116
WORLD LANGUAGE EDUCATION 117
WUSF(FM) 66
WUSF-TV 66