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## Accent on Learning, 1997

University of South Florida

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# **University of South Florida** **USF**



## **Undergraduate Catalog** **1997 / 1998**





# **ACCENT ON LEARNING**

## **UNDERGRADUATE CATALOG**

### **OF THE**

### **UNIVERSITY OF**

### **SOUTH FLORIDA**

### **1997-98**



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

Undergraduate students enrolled in the University are entitled to one copy of each issue of the USF Undergraduate Catalog. Students wanting additional copies may purchase them at the University Bookstore. Prospective students may obtain general University information concerning admissions, fees and degree programs by requesting either the Undergraduate Viewbook or Graduate Catalog from the Admissions Office, SVC 1036, University of South Florida 33620-6900; telephone: 813-974-3350.

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

## Visiting The University

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

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

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

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

## Communicating With The University

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

### Academic Advising (for Undeclared and Undecided Students)

Academic Advising, SVC 2011 974-2645

### Academic Advising (for upperclassmen)

Arts & Sciences, SOC 102 974-2503  
Business Admin., BSN 1406 974-4290  
Education, EDU 309 974-2458  
Engineering, ENG 104 974-2684  
Fine Arts, FAH 120 974-3660  
Nursing, MDN 1004 974-9305  
Pre-Medical, SCA 306 974-2674

### Academic Services for Students with Disabilities

Coordinator, SVC 1133 (voice) 974-4309  
(TDD) 974-5651

### Adult and Transfer Student Services

Office of the Director, SVC 1001 974-6444

### Applications and Admissions

Office of Admissions, SVC 1036 974-3350  
New College 359-4269

Office of Admissions (Sarasota)

### Athletics (Intercollegiate)

Director of Athletics, PED 214 974-2125

### Bachelor of Independent Studies Program

External Degree Program, HMS 443 974-4058

### Career Development

Counseling Center for Human Development, SVC 2124 974-2831  
or 974-2866

### Career Resource Center

Alumni Placement Services, SVC 2088 974-2171  
Cooperative Education Program, SVC 2088 974-2171  
Senior Placement Services, SVC 2088 974-2171  
Student Employment, SVC 2088 974-2171

### College Level Examination Program (CLEP tests)

Office of Evaluation and Testing Services, SVC 2054 974-2741

### Community College and Transfer Students

Adult and Transfer Student Services, SVC 1001 974-6444

### Continuing Education Courses and Conferences

School of Continuing Education, MGZ 144 974-2403  
Division of Conferences and Institutes, MGY 153 974-5769  
English Language Institute, CPR 107 974-3433

### Counseling

Counseling Center for Human Development, SVC 2124 974-2831  
or 974-2866

### Financial Assistance (scholarships, loans, employment)

Office of Financial Aid, SVC 1102 974-4700

### Graduate Studies

Graduate School, FAO 126 974-2846

### Health Services (Student)

Health Center, SHS 101 974-2331

### Honors Program - University-wide

Office of the Director, CPR 273 974-3087

### Housing: Campus Residence Halls

Office of Housing and Food Service, RAR 229 974-4310

### Housing: Off-Campus

Student Government Office, CTR 203 974-3749

### International Student and Scholar Services

Office of the Advisor, CTR 259 974-5102

### Library Resources

Tampa Campus: Office of the Director of Libraries, LIB 207 (813) 974-2721  
St. Petersburg Campus: Office of the University Librarian 893-9125 (813) 893-9123  
Sarasota Campus: Office of the Librarian (941) 359-4300  
Lakeland Campus: PCC/USF Library (941) 297-1042

### Minority Student Advising

Center for Academic Advising, SVC 2011 974-2645

### Orientation

Office of the Director, SVC 1037 974-3060

### PACE

MGZ 144 974-3218

### Parking and Traffic Services

University Police Department, UPB 002 974-3990

### Pre-Admission Advising for Prospective Freshman,

International, Mature, Minority, and Transfer Students

Office of Admissions, SVC 1036 974-3350

### Reading Study Skills

Counseling Center for Human Development, SVC 2124 974-2831  
or 974-2866

### Records, Registration

Office of the Registrar, SVC 1034 974-2000

### Speakers Bureau

Media Relations and Publications, ADM 264 974-4014

### Student Affairs

Office of the Vice President, ADM 151 974-2151

### Transcripts USF

Office of the Registrar, SVC 1034 974-2000

### Tuition Waiver For Senior Citizens

Division of Lifelong Learning, MGZ 144 974-2403

### Transfer (Undergraduate) Student Problems

Adult and Transfer Student Services, SVC 1001 974-6444

### Undergraduate Studies

Office of the Dean, SVC 2002 974-4051

### University Police

Emergencies 911  
UPB 002 974-2628

### Veterans Services

Office of Veterans Services, SVC 2127 974-2291

## UNIVERSITY OF SOUTH FLORIDA

Tampa Campus  
4202 Fowler Avenue  
Tampa, Florida 33620  
Telephone: (813) 974-2011

St. Petersburg Campus  
140 Seventh Avenue South  
St. Petersburg, Florida 33701  
Telephone: (813) 893-9536

Sarasota Campus  
5700 N. Tamiami Trail  
Sarasota, Florida 34243-2197  
Telephone: (941) 359-4200

Lakeland Campus  
3433 Winter Lake Road  
Lakeland, Florida 33803  
Telephone: (941) 667-7000

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Cover Design by: Ray Cooper

# List of Degree Programs and Common Prerequisites

Accounting [BA] - B.A./B.S. - <i>Limited Access</i>	156	Elementary Education [ED] - B.A./B.S.	170
Common Prerequisites	154	Common Prerequisites	170
Africana Studies [AS] - B.A.	68	English [AS] - B.A.	78
No Common Prerequisites	68	(Option 1: English and American Literature, Option 2: Creative Writing: Fiction, Poetry, Option 3: Professional and Technical Writing)	
American Studies [AS] - B.A.	86	Common Prerequisites	79
No Common Prerequisites	87		
Anthropology/Applied Anthropology [AS] - B.A.	68	English Education [ED] - B.A./B.S.	171
Common Prerequisites	69	Common Prerequisites	171
Art [FA] - B.A.	215	Environmental Science and Policy [AS] - B.S.	79
(Art History and Art Studio)		No Common Prerequisites	80
Common Prerequisites	216		
Art Education [FA] - B.A./B.S.	216	Finance [BA] - B.A./B.S. - <i>Limited Access</i>	157
Common Prerequisites	217	Common Prerequisites	154
Behavior Disorders [ED] - B.A./B.S.	177	Foreign Language Education [ED] - B.A./B.S.	172
Common Prerequisites	177	(French, German, Italian, Spanish, Russian)	
		Common Prerequisites	172
Biology [AS] - B.S.	70	French [AS] - B.A.	90
Common Prerequisites	71	Common Prerequisites	91
Business and Office Education [ED] - B.A./B.S.	168	General Business Administration [BA]	
Common Prerequisites	168	- B.A./B.S. - <i>Limited Access</i>	155
		Common Prerequisites	154
Chemical Engineering [EN] - B.S. - <i>Limited Access</i>	191	Geography [AS] - B.A.	80
Common Prerequisites	192	(Option 1: Environmental Studies, Option 2: Urban Studies, Option 3: General Geography)	
Chemistry [AS] - B.A./B.S.	72	Common Prerequisites	81
Common Prerequisites	74		
Civil Engineering [EN] - B.S. - <i>Limited Access</i>	193	Geology [AS] - B.A./B.S.	81
Common Prerequisites	194	Common Prerequisites	82
Civil Engineering [EN] - B.S. - <i>Limited Access</i>	193	German [AS] - B.A.	91
(Environmental Engineering)	194	Common Prerequisites	91
Common Prerequisites			
Classics [AS] - B.A.	89	Gerontology [AS] - B.A./B.S.	82
(Classics, Classics-Latin/Greek, Interdisciplinary Classics)		Common Prerequisites	83
Common Prerequisites	90		
Communication (Speech) [AS] - B.A.	74	History [AS] - B.A.	86
Common Prerequisites	75	Common Prerequisites	86
Computer Engineering [EN] - B.S. - <i>Limited Access</i>	196	Humanities [AS] - B.A.	86
Common Prerequisites	197	No Common Prerequisites	86
Computer Science [EN] - B.S. - <i>Limited Access</i>	195	Industrial Engineering [EN] - B.S. - <i>Limited Access</i>	199
Common Prerequisites	196	Common Prerequisites	200
Criminology [AS] - B.A.	76	Industrial-Technical Education [ED] - B.A./B.S.	168
No Common Prerequisites	77	(Technology Education)	
		Common Prerequisites	169
Dance [FA] - B.A.	217	Information Systems [EN] - B.S. - <i>Limited Access</i>	197
(Ballet and Modern)		Common Prerequisites	198
Common Prerequisites	219		
Early Childhood Education [ED] - B.A./B.S.	170	Interdisciplinary Natural Science [AS] - B.A.	87
Common Prerequisites	170	No Common Prerequisites	88
Economics [AS] - B.A.	77		
Common Prerequisites	78	Interdisciplinary Social Sciences [AS] - B.A.	75
		(Speech, Language, Hearing Science, [ISH]; American Sign Language, [ISA]; Educational Interpreter Training [ISI])	
Economics [BA] - B.A./B.S. - <i>Limited Access</i>	156	No Common Prerequisites	76
Common Prerequisites	154		
Electrical Engineering [EN] - B.S. - <i>Limited Access</i>	198	Interdisciplinary Social Sciences [AS] - B.A.	88
Common Prerequisites	199	No Common Prerequisites	88
		Interdisciplinary Studies [AS] - B.I.S.	69
		No Common Prerequisites	70

International Studies [AS] - B.A. Common Prerequisites	83 84	Pre-Medical Emphasis [AS] - B.A. No Common Prerequisites	66 67
Italian [AS] - B.A. Common Prerequisites	91 91	Psychology [AS] - B.A. Common Prerequisites	97 98
Liberal Arts and Sciences [N C] - B.A. - <i>Limited Access</i> No Common Prerequisites	237	Religious Studies [AS] - B.A. No Common Prerequisites	99 99
Liberal Studies [AS] - B.A. - <i>Limited Access</i> Common Prerequisites	89 89	Russian [AS] - B.A. Common Prerequisites	91 91
Management [BA] - B.A./B.S. - <i>Limited Access</i> Common Prerequisites	158 154	Science Education [ED] - B.A./B.S. (Biology, Chemistry, Physics) Common Prerequisites	173 173
Management Information Systems [BA] - B.A./B.S. - <i>Limited Access</i> Common Prerequisites	157 154	Social Science Education [ED] - B.A./B.S. Common Prerequisites	173 173
Marketing [BA] - B.A./B.S. Common Prerequisites	158 154	Social Work [AS] - B.S.W. - <i>Limited Access</i> Common Prerequisites	99 101
Mass Communications [AS] - B.A. - <i>Limited Access</i> (Advertising, Journalism, Public Relations, Telecommunications) Common Prerequisites	92 93	Sociology [AS] - B.A. Common Prerequisites	101 102
Mathematics [AS] - B.A. Common Prerequisites	93 95	Spanish [AS] - B.A. Common Prerequisites	91 91
Mathematics [AS] - B.A. - <i>Limited Access</i> (Accelerated BA/MA Program) Common Prerequisites	95 95	Specific Learning Disabilities [ED] - B.A./B.S. Common Prerequisites	177 177
Mathematics Education [ED] - B.A./B.S. Common Prerequisites	172 172	Technology Education [ED] - B.A./B.S. Common Prerequisites	169 169
Mechanical Engineering [EN] - B.S. - <i>Limited Access</i> Common Prerequisites	201 201	Theatre [FA] - B.A./B.F.A.: Acting/Directing, Design/Performance, Education Common Prerequisites	223 225
Medical Technology [AS] - B.S. Common Prerequisites	95 95	Women's Studies [AS] - B.A. No Common Prerequisites	102 102
Mental Retardation [ED] - B.A./B.S. Common Prerequisites	177 177		
Microbiology [AS] - B.S. Common Prerequisites	71 71		
Music [FA] - B.M. (Performance, Composition, Jazz Studies) Common Prerequisites	219 221		
Music Education [FA] - B.A./B.S. (General (K-12), Instrumental (K-12), Vocal (K-12)) Common Prerequisites	221 222		
Nursing, Basic [NU] - B.S. - <i>Limited Access</i> Common Prerequisites	240 241		
Nursing, Registered [NU] - B.S. - <i>Limited Access</i> Common Prerequisites	240 241		
Philosophy [AS] - B.A. No Common Prerequisites	96 97		
Physical Education [ED] - B.A./B.S. (Elementary (K-8), Secondary (6-12), Wellness Leadership) Common Prerequisites	175 176		
Physics [AS] - B.A./B.S. Common Prerequisites	97 97		
Political Science [AS] - B.A. Common Prerequisites	84 85		
Pre-Law Emphasis [AS] - B.A. Common Prerequisites	85 85		

[AS] = College of Arts and Sciences  
[BA] = College of Business Administration  
[ED] = College of Education  
[EN] = College of Engineering  
[FA] = College of Fine Arts  
[NC] = New College  
[NU] = College of Nursing

# ACADEMIC CALENDAR FOR UNDERGRADUATE STUDENTS

## FALL SEMESTER, 1997

MAY						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

  

JUNE						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

  

JULY						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

  

AUGUST						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

  

SEPTEMBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

  

OCTOBER						
S	M	T	W	T	F	S
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

  

NOVEMBER						
S	M	T	W	T	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

  

DECEMBER						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

March 1	Saturday	Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
June 2	Monday	Priority processing date for undergraduate 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
August 29	Friday	Last day to add courses
August 29	Friday	Last day for late registration
September 1	Monday	Last day to pay fees
September 5	Friday	Labor Day Holiday
September 19	Friday	CLAST Registration Deadline
October 1	Wednesday	Graduation Application Deadline
October 4	Saturday	Rosh Hashanah
October 11	Saturday	CLAST Administration Day
October 24	Friday	Yom Kippur
November 7	Friday	Last day to drop or withdraw from courses without academic penalty
November 11	Tuesday	Honors Convocation (Classes cancelled 2:00-5:00 p.m.)
November 27-28	Thursday-Friday	Veteran's Day Holiday
December 5	Friday	Thanksgiving Holidays
December 6-12	Saturday-Friday	Classes End
December 14	Sunday	Final Examinations
December 15	Monday	Commencement (Tampa)
December 21	Sunday	Commencement (St. Petersburg)
		Commencement (Sarasota)

## SPRING SEMESTER, 1998

August 1	Friday	Application Deadline Date for international applicants to apply for admission and submit all required credentials and supporting documents
October 20	Monday	Priority processing date for undergraduate 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
January 9	Friday	Last day to add courses
January 9	Friday	Last day for late registration
January 9	Friday	Last day to pay fees
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 6	Friday	Last day to drop or withdraw from courses without academic penalty
March 9-13	Monday-Friday	Spring Semester Break
April 24	Friday	Classes End
April 25-30	Saturday-Thursday	
May 2	Saturday	Final Examinations
May 3	Sunday	Commencement (Tampa)
May 8	Friday	Commencement (St. Petersburg)
		Commencement (Sarasota)



# SUMMER TERM, 1998

## 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 6	Monday	Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
May 8	Friday	CLAST Registration Deadline
May 11	Monday	Classes begin
May 15	Friday	Last day to withdraw/drop and receive full refund of registration fees
May 15	Friday	Last day to add courses
May 15	Friday	Last day for late registration
May 15	Friday	Last day to pay fees
May 25	Monday	Memorial Day Holiday
May 29	Friday	Last day to drop or withdraw from courses without academic penalty
June 5	Friday	Graduation Application Deadline
June 6	Saturday	CLAST Administration Day
June 19	Friday	Last day of classes
June 22-26	Monday-Friday	Summer Break between Session A and Session B
August 8	Saturday	Summer Commencement (Tampa)

## 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 6	Monday	Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
June 5	Friday	Graduation Application Deadline
June 29	Monday	Classes begin
July 3	Friday	Independence Day Holiday
July 6	Monday	Last day to withdraw/drop and receive full refund of registration fees
July 6	Monday	Last day to add courses
July 6	Monday	Last day for late registration
July 6	Monday	Last day to pay fees
July 17	Friday	Last day to drop or withdraw from courses without academic penalty
August 7	Friday	Last day of classes
August 8	Saturday	Summer Commencement (Tampa)

## 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 6	Monday	Priority processing date for undergraduate and former students returning to apply for admission (except for international applicants)
May 8	Friday	CLAST Registration Deadline
May 11	Monday	Classes begin
May 15	Friday	Last day to withdraw/drop and receive full refund of registration fees
May 15	Friday	Last day to add courses
May 15	Friday	Last day for late registration
May 15	Friday	Last day to pay fees
May 25	Monday	Memorial Day Holiday
June 5	Friday	Graduation Application Deadline
June 6	Saturday	CLAST Administration Day
June 19	Friday	Last day to drop or withdraw from courses without academic penalty
July 3	Friday	Independence Day Holiday
July 17	Friday	Last day of classes
August 8	Saturday	Summer Commencement (Tampa)

## JANUARY

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18	19	20	21	22	23	24
25	26	27	28	29	30	31

## FEBRUARY

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15	16	17	18	19	20	21
22	23	24	25	26	27	28

## MARCH

S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## APRIL

S	M	T	W	T	F	S
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## MAY

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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

## JUNE

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

## JULY

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## AUGUST

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



## ACCREDITATION

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

## DEGREES\* OFFERED AT THE UNIVERSITY

### Undergraduate Degrees

Bachelor of Arts  
Bachelor of Fine Arts  
Bachelor of Independent Studies  
Bachelor of Music  
Bachelor of Science  
Bachelor of Science in Chemical Engineering  
Bachelor of Science in Civil Engineering  
Bachelor of Science in Computer Engineering  
Bachelor of Science in Computer Science  
Bachelor of Science in Electrical Engineering  
Bachelor of Science in Engineering  
Bachelor of Science in Engineering Science  
Bachelor of Science in Industrial Engineering  
Bachelor of Science in Information Systems  
Bachelor of Science in Mechanical Engineering  
Bachelor of Social Work

B.A.  
B.F.A.  
B.I.S.  
B.M.  
B.S.  
B.S.C.H.  
B.S.C.E.  
B.S.C.P.  
B.S.C.S.  
B.S.E.E.  
B.S.E.  
B.S.E.S.  
B.S.I.E.  
B.S.I.S.  
B.S.M.E.  
B.S.W.

Master of Health Administration M.H.A.  
Master of Industrial Engineering M.I.E.  
Master of Liberal Arts M.L.A.  
Master of Mechanical Engineering M.M.E.  
Master of Music M.M.  
Master of Public Administration M.P.A.  
Master of Public Health M.P.H.  
Master of Science M.S.  
Master of Science in Chemical Engineering M.S.C.H.  
Master of Science in Civil Engineering M.S.C.E.  
Master of Science in Computer Engineering M.S.C.P.  
Master of Science in Computer Science M.S.C.S.  
Master of Science in Electrical Engineering M.S.E.E.  
Master of Science in Engineering M.S.E.  
Master of Science in Engineering Management M.S.E.M.  
Master of Science in Engineering Science M.S.E.S.  
Master of Science in Industrial Engineering M.S.I.E.  
Master of Science in Information Systems M.S.I.S.  
Master of Science in Mechanical Engineering M.S.M.E.  
Master of Science in Public Health M.S.P.H.  
Master of Social Work M.S.W.

### Graduate Degrees

Master of Accountancy  
Master of Architecture  
Master of Arts  
Master of Business Administration  
Master of Chemical Engineering  
Master of Civil Engineering  
Master of Education  
Master of Electrical Engineering  
Master of Engineering  
Master of Fine Arts

M.Acc.  
M.Arch.  
M.A.  
M.B.A.  
M.C.H.E.  
M.C.E.  
M.Ed.  
M.E.E.  
M.E.  
M.F.A.

### Advanced Graduate Degrees

Education Specialist Ed.S.  
Doctor of Education Ed.D.  
Doctor of Philosophy Ph.D.

### Professional Degree

Doctor of Medicine M.D.  
\*See index for individual degree programs

The University of South Florida and all colleges, departments and programs therein establish certain academic requirements which must be met before a degree is granted. These requirements concern such things as curricula and courses, majors and minors, and academic residence. Advisors, directors, department chairs, and deans are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them. At the end of a student's course of study, if requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for all students to acquaint themselves with all regulations and to remain 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 Florida Board of Regents.

# USF - A COMPREHENSIVE RESEARCH UNIVERSITY

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

## UNIVERSITY OF SOUTH FLORIDA Statement of Institutional Purpose

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

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

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

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

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

As an institution serving the region, state, and nation, the University actively encourages the use of the expertise of its faculty, staff, and students for the advantage of the larger

community—to provide intellectual, cultural, health-related, and social services; to contribute to life-long learning opportunities; and to function as a catalyst for improvements within its immediate cultural, economic, and social context. USF has the assigned responsibility to provide continuing education for a 15-county area.

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

## OVERVIEW

Since its beginnings in the late 1950s as a single-campus undergraduate institution, the University of South Florida has become a comprehensive, multi-campus research university serving more than 36,000 headcount students in ten colleges on five campuses. USF is home to medical clinics and hospitals, a major mental health research institute, and four public broadcasting stations. The University employs more than 1,860 full-time faculty and generates more than \$100 million annually in sponsored research. Its endowment exceeds \$52 million and includes 39 endowed chairs. USF faculty are making national contributions in their fields, and their commitment to quality education is central to the University's teaching, scholarship, and service mission.

Now the second largest of Florida's state universities, USF serves not only traditional-age, residential students but also adult students already in the workforce and seeking a first degree, professionals seeking to remain or become competitive by continuing their education through graduate study, community college transfer students, and senior citizens. A large number of students attend part-time. This diverse student body requires a broad array of services and programs, delivered at times and in formats that accommodate the needs of all.

USF offers a wide variety of degree programs with both basic and applied orientations, including 77 baccalaureate, 87 master's, and 22 doctoral degrees, as well as the M.D. These degree programs are in the University's Division of Academic Affairs and are administered in one of 10 schools and colleges: Architecture, Arts and Sciences, Business Administration, Education, Engineering, Fine Arts, Medicine, Nursing, Public Health, and an honors college, New College of USF on the Sarasota campus. Specialized credit and non-credit programs are administered by the School of Continuing Education.

As an institution dedicated to excellent teaching, the University's fundamental goal is to evoke in its students a lifelong commitment to learning that enables them to become thoughtful, active, productive, and compassionate citizens. The University is committed to the concept of total student development—intellectual, social, physical, emotional and moral. A major institutional focus is on providing programs and services that reflect standards of quality that foster the development of individual student's talents to the fullest.

This publication discusses the major undergraduate academic programs in the University that serve the people of Florida through the instruction of students, the advancement of knowledge, and community service.

## USF AT TAMPA, SARASOTA, ST. PETERSBURG, LAKE LAND

The University of South Florida's four campuses are within reach of more than 3 million people, roughly one quarter of the state's population -- in a 10-county area.

The USF academic programs offered in St. Petersburg, Sarasota, and Lakeland are designed primarily to serve students of junior, senior, and graduate standing. Programs are offered at times that meet the special needs of students, many of whom are residents in the campus area and are employed in full- and part-time jobs. Selected courses and programs are offered on the campuses by the colleges of Arts and Sciences, Business Administration, Education, Engineering and Nursing.

Students may enroll on a part-time or full-time basis on any one of the campuses or elect to enroll on more than one USF campus simultaneously. Dual enrollment may provide students with a schedule both academically flexible and personally convenient.

Resident faculty and Student Affairs staff provide students at all campuses with social, vocational, and academic counseling.

**TAMPA:** The central campus in Tampa, located on a 1,748-acre tract of land 10 miles northeast of downtown Tampa, serves a three-county area of over 2 million people. This is the largest campus, designed to serve students from throughout the state, nation, and many foreign countries from their freshman year through graduate school.

Nine schools and colleges are located on this campus, including, on the undergraduate level, the colleges of Arts and Sciences, Business Administration, Education, Engineering, Fine Arts and Nursing.

The campus is home to three hospitals or institutions that work closely with the colleges of Medicine, Nursing, and Public Health: the Shriners Hospital for Crippled Children, the H. Lee Moffitt Cancer Center and Research Institute, and the Tampa General Hospital Psychiatry Center. The University is also home to the Florida Mental Health Institute.

The Sun Dome, a multi-purpose facility with seating for 10,000, hosts an array of athletic contests, concerts, lectures, and programs.

The Phyllis P. Marshall Center, more so than any other campus facility, serves as a focal point for daily activity for students, faculty, alumni, guests, and visitors. The Phyllis P. Marshall Center houses a diversity of programs and services and a Special Events Center auditorium.

**SARASOTA:** The Sarasota campus, which includes New College and is adjacent to the state-owned Ringling Museum, is located on the north edge of Sarasota about 10 miles south of Bradenton on U.S. Highway 41. The campus serves a population of more than 530,000 persons in a four-county area.

The University of South Florida at Sarasota is an educational and cultural center of local, state and national significance. Its mission embraces two distinct academic opportunities: New College of USF and the University Program. New College is a residential, highly selective and innovative liberal arts college. The college encourages independent study and features small classes and tutorials. All students are four-year, full-time residential students. The University Program emphasizes junior, senior, and graduate courses and degrees in Arts and Sciences, Business, Education, Engineering and Nursing. They serve full- and part-time commuting students and the educational needs of professionals in Manatee, Sarasota, Hardee and De Soto counties. The campus also has a significant responsibility for historic and environmental preservation and enhancement of the beautiful John and Mabel Ringling and Caples estates.

USF at Sarasota/New College has more than 40 buildings including a fitness center, student center, classrooms, science laboratories, and student residences. A \$6.1-million campus

library opened in 1986. The Sudakoff Lecture and Conference Center, a gift from Sarasota philanthropist Harry Sudakoff, opened in 1985.

**ST. PETERSBURG:** The St. Petersburg campus is located on Bayboro Harbor in downtown St. Petersburg. This waterfront campus hosts colleges of Business, Education, Nursing and Arts and Sciences, and is nationally recognized for its graduate program in Marine Science. USF St. Petersburg also houses a Center for Ethics, the Knight Oceanographic Research Center, a 160,000-volume library, a fitness center and other student recreational facilities.

Noteworthy programs include a respected graduate program in journalism studies that emphasizes public journalism and ethics, and related writing components such as the Florida Suncoast Writers' Conference. The campus holds several endowed chairs whose scholars are in the fields of media ethics, ethics and marine science.

USF St. Petersburg serves junior, senior and graduate students, and is the only public university in Pinellas County, an area of 1 million people.

The 30-year-old campus is USF's largest regional branch and was the State University System's prototype for such campuses. The U.S. Geological Survey's Center for Coastal Geology, the Florida Institute of Oceanography and a branch of the Department of Environmental Protection are located here. A medical, research and cultural complex also surrounds the campus.

**LAKE LAND:** The University of South Florida at Lakeland extends access to higher education into central portions of the state in the counties of Polk, Highlands and Hardee with population of 550,000.

The Lakeland campus opened in January 1988 on a 135-acre site in a new and innovative facility built for the combined use of Polk Community College (PCC) and the University. The facility is located on State Road 540 on the southeast side of the city, which allows ease of access to residents of the surrounding counties.

PCC offers freshman and sophomore courses while USF provides junior, senior and graduate courses in selected academic disciplines.

USF at Lakeland is designed to provide not only traditional classroom instruction but also to take advantage of advanced educational technologies. Lakeland has television receiving and transmitting classrooms and labs for individualized computer instruction. The television capabilities provide students access to outstanding faculty at USF through two-way video and audio communication. The computer labs allow students to work with personal computers and still have access to the main computing facility in Tampa, as well as from their homes.

Lakeland offers undergraduate degree programs in Business, Criminology, Interdisciplinary Social Sciences, Education and Engineering. Graduate programs are offered in Education, Engineering, Criminology and Public Administration. The presence of the campus plays an important role in the attraction of new industries to the area and the retention of existing companies by providing highly skilled professionals as a result of completing a bachelors degree in the same location.

## FACILITIES AND ATMOSPHERE

The facilities of the University, now including more than 200 major buildings, are currently valued at more than \$300 million. The buildings are of similar modern architectural design and all are completely air conditioned. USF's 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 the Sun Dome sports and recreation complex.



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 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, located at the intersection of Maple Drive and Fletcher Avenue, provides a full range of public safety services to the community 24 hours a day, seven days a week. All University police officers are commissioned law enforcement officers of the state of Florida.

Services provided include car patrol, foot patrol, criminal investigations and prosecution of all misdemeanors and felonies, traffic enforcement and accident investigation, special events management and crime prevention programs. The telephone number for on-campus emergencies (personal injuries, fires, crimes in progress) is 911. **CAMPUS BLUE LIGHT EMERGENCY PHONES REPORT DIRECTLY TO THE USF POLICE DEPARTMENT AND ARE EQUIPPED WITH AUTOMATIC LOCATION INDICATORS AND HAVE INSTRUCTIONS FOR THE HEARING AND SPEAKING IMPAIRED.** The telephone number for on-campus non-emergencies and business is 974-2628.

### VICTIMS' ADVOCACY PROGRAM

The Victims' Advocacy Program is available to assist all USF students, faculty and/or staff who are victims of actual or threatened violence, including but not limited to battery, assault, sexual battery (date rape, acquaintance rape, stranger rape), and attempted sexual battery.

Police reports are strongly encouraged; however, reports are not required for information and referral assistance.

### SERVICES

The USF Victim's Advocate will assist by providing information, support and guidance in the following ways:

1. Crisis Intervention.
2. Medical and counseling referrals.
3. Assistance as needed.

### IMPORTANT NUMBERS

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

USF POLICE EMERGENCY	911 OR 974-2628
USF VICTIM ADVOCATE	
24-hr. CRISIS LINE	974-5757
REGULAR OFFICE NUMBER	974-5756
LOCATION	ADM 273
HILLSBOROUGH COUNTY CRISIS LINES	
CRISIS LINE	234-1234
SEXUAL ABUSE LINE	238-7273

### EQUAL OPPORTUNITY POLICY

Discrimination on the basis of race, color, sex, marital status, religion, national origin, Vietnam or disabled veteran status, handicap, or age is prohibited by federal laws and University policy. Moreover, it is the goal of the University to create and maintain a work and study environment free of discrimination. Faculty, staff, and students must be aware that sexual harassment is sex discrimination, and is a conduct that is prohibited at the University. Any applicant, student, or employee who believes that he or she has not been treated in accordance with the University's Equal Opportunity Policy, may file a complaint with the Office of Equal Opportunity Affairs,

ADM 274. The telephone number is 974-4373. It shall be prohibited for any employee of USF to discriminate or take retaliatory action against any individual who, in good faith, has 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 student with disabilities:** The Student Disability Services Office coordinates auxiliary learning aid assistance to eligible students with disabilities. Course related assistance and accommodations such as reader services, interpreters, alternate exam administration, notetakers, and adaptive equipment such as FM systems, large print computer access/Visualteks are available through this office. Students who require no direct academic assistance may qualify for priority registration upon supplying medical documentation of their disability. Students are encouraged to contact this office prior to enrollment to make arrangements for the planning of services.

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

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

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

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

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

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

#### Tampa Campus

Coordinator of Student Disability Services  
SVC 1133 (voice) 813-974-4309  
(TDD) 813-974-5651

#### Sarasota Campus

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

#### Lakeland Campus

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

#### St. Petersburg Campus

Office of the Director, Student Affairs  
DAV 118 813-893-9162

# ADMISSIONS AND RELATED MATTERS

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

The University encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. In the admission process there is no discrimination on the basis of these factors or on the basis of handicap. Applicants who are racial and ethnic minorities, disabled, Vietnam-era veterans or above traditional college age and 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 (minority and) disadvantaged students. Requests for waiver of the \$20.00 application fee are considered by the Director of Admissions if payment of this fee creates severe financial hardship and serves as a deterrent to application.

Students are admitted to USF in accordance with the mission and goals of the University and within enrollment limitations established by the Board of Regents and the Florida Legislature. The University's enrollment plan establishes the priorities for admission. In order, these priorities are: (1) transfer students with A.A. degrees from Florida community/junior colleges or from other SUS institutions who have not attended another institution after earning the A.A. degree; (2) graduate students; (3) freshman students; (4) other transfer students with 60 or more hours; (5) transfer students with fewer than 60 hours. Within the categories above, Florida residents have first priority, followed by non-Florida residents, and then international students living outside of the United States. Exceptions to these established priorities may be made for applicants whose addition to the student body helps the University's aims and commitment to academic excellence, equal opportunity/affirmative action goals, and other special needs.

## Applying for Admission

### Obtaining an Application

As part of the State University System (SUS) of Florida, USF uses the common SUS Application Form for undergraduates. Applicants who are attending Florida high schools or Florida community/junior colleges may obtain the SUS Application Form in school guidance offices. The USF International Student Application for Admission, as well as the SUS Application, may be requested from the Office of Admissions, SVC 1036, USF, Tampa, FL 33620-6900. All of the application forms are also available on USF campuses in St. Petersburg, Sarasota, and Lakeland. (When requesting an application, please indicate applicant category - freshman, undergraduate transfer, or international student.)

### When to Apply

Applications for admission are accepted as early as 12 months before the requested entry date. Applications for admission and the \$20.00 non-refundable application fee should be submitted by the priority date (see *academic calendar*) for

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

### Who Should Apply

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

The Director of Admissions may waive payment of the application fee for (minority and) disadvantaged applicants if the fee serves as a deterrent to application. In case of confirmed financial hardship, the Director of Admissions will authorize Finance and Accounting to pay the fee for the applicants.

### Changing Requested Term of Entry

Applicants may request consideration of admission for other terms that begin within 12 months of the originally requested term of entry without submitting a new application and fee. All requests for changes of entry dates must specify any college(s) attended or college work attempted that was not reflected on the original application and must be received by the appropriate published application deadline for the new term of entry or degree program specified, whichever is earlier. Additionally, any issues related to criminal or academic misconduct that were not reflected on the initial application must be reported in writing to the Office of Admissions. A new application and fee must be submitted when applicants wish to be considered for admission for a term that begins more than 12 months after the originally requested entry date.

An applicant who requests a new entry date must meet the admissions requirements in effect for the new term requested. Entry dates for some programs are limited to specified terms.

### General Admission Policies

- All official transcripts, test scores, and any other required credentials must be received directly from the issuing agencies. It is the applicant's responsibility to initiate the request for credentials to the issuing agencies and to assure their receipt by the USF Office of Admissions in Tampa.
- 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.
- An applicant admitted on a provisional basis must submit the requested missing credentials, such as official final transcripts or test scores, which must substantiate eligibility for admission before a second registration will be permitted. Receipt of final official credentials which fail to substantiate eligibility will result in rescission of admission, reclassification to non-degree status, and denial of continued enrollment in subsequent terms.
- Applicants who do not meet standard Board of Regents minimum admission requirements may be admitted to the University on academic probation. Students admitted on probationary status must accumulate 30 semester credits and maintain a minimum cumulative 2.0 grade point average (GPA) each term enrolled with no single term GPA below a 1.0 GPA 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.

- An undergraduate applicant who is denied admission may be eligible to appeal and will be advised of applicable appeal procedures by the Office of Admissions.
- An application for admission or a residency affidavit submitted by or on behalf of a student which contains false, fraudulent, or incomplete statements may result in denial of admission, further registration and/or degrees awarded.
- The University may refuse admission to a student whose record shows previous misconduct not in the best interest of citizens of the University community.
- 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).
- All undergraduate transfer students admitted to USF must earn passing scores on all four sections of the College Level Academic Skills Test (CLAST) prior to receiving an A.A. 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.
- Prior to beginning classes, all new undergraduate students and former students returning are *required* to participate in an Orientation/Academic Advising/Registration program on the USF campus where they will take all or the majority of courses in their first semester at USF. These programs are designed to help new students become acquainted with the University, choose courses, register for classes, and complete all other necessary procedures. New students receive Orientation/Academic Advising/Registration information after admission. Students enrolling for Fall Semester (August) at USF in Tampa are encouraged to participate in the Summer Orientation/Academic Advising/Registration program for new undergraduates and parents. The orientation packet will automatically be mailed to admitted students beginning in April.

**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.)

- Performance in courses taken as a non-degree-seeking (special) student will not qualify an applicant for admission as a degree-seeking student. Similarly, courses taken as a non-degree-seeking student will not be utilized in determining an applicant's grade point average for purposes of admission.
- A non-degree-seeking (special) student who has been dismissed from USF is not eligible for admission to USF as a degree-seeking student at the undergraduate level. If extenuating circumstances contributed to the academic dismissal and the student meets other admissions requirements, a request for waiver of this rule may be submitted to the Faculty Committee on Student Admissions. This rule does not apply to a student who has earned a degree from a regionally accredited institution subsequent to academic dismissal.
- Freshman and undergraduate transfer applicants denied admission to USF as degree-seeking students will not be permitted to enroll as non-degree-seeking (special) students.

## 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 admissions criteria and procedures for quota/limited access programs at USF furnish equal access to A.A. degree holders from Florida public community/junior colleges, A.A. degree transfers from other SUS institutions, and USF students of equivalent status. Transfer applicants with 90 or more transferable semester hours who are seeking admission to quota/limited access programs must meet the grade point average requirement specified by the program to be eligible for admission to USF.

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

## Minimum Requirements for Admission

### Freshman Applicants

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

Although USF has minimum freshman admission requirements, meeting these minimum standards does not guarantee admission. Applicants selected for admission usually exceed the eligibility requirements.

However, USF also considers applicants who do not fully meet minimum requirements but who have important attributes, special talents or unique circumstances that may contribute to a representative and diverse student body. These freshman applicants are considered for admission by a faculty committee on the basis of other appropriate evidence of ability to do successful academic work at USF.

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

The University normally requires a diploma from a Florida public or a regionally accredited high school or the state-approved General Education Development (GED) diploma. Students admitted under the Early Admission Programs are exempted from this requirement. Other minimum requirements are outlined below.

1. Freshman applicants must submit an official test score from the Scholastic Aptitude Test (SAT) or the American College Test (ACT).
2. For freshman applicants earning a high school diploma, the following college preparatory academic units (year-long courses or equivalents) normally offered in grades nine through twelve are required: four units of English (three of the four must incorporate substantial writing requirements); three units of mathematics (algebra I and above); three units of natural sciences (two of the three must incorporate substantial laboratory requirements); three units of social sciences (history, civics, political science, economics, sociology, psychology and geography); two units of the same foreign language; and four additional units of academic electives. Substitution for any high school unit requirement may be provided for applicants who are hearing impaired, visually impaired, dyslexic or who have a specific learning

disability. Documentation of the disability and its relationship to the substitution of a unit requirement should be submitted with the application for admission.

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

- At least a "B" average (3.0 on a 4.0 scale), as computed by USF (an SAT or ACT score must be submitted but no minimum is required);
- A combination of high school GPA (as computed by USF) and admission test scores equivalent to a 2.5 (on a 4.0 scale) and an SAT I verbal and quantitative combined score of 1010 or a comparable composite score on the ACT as indicated in the Admissions Scale below:

REQUIRED TEST SCORE			
H.S. GPA	SAT	SAT I*	ACT
2.9	860	970	20
2.8	870	980	20
2.7	880	990	21
2.6	890	1000	21
2.5	900	1010	21
2.4	930	1030	22
2.3	960	1060	22
2.2	990	1090	23
2.1	1020	1110	24
2.0	1050	1140	25

\*SAT taken after 3/31/95

- A GED diploma with an overall percentile score of at least 60 for all five tests and a percentile score of 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;
  - Appropriate alternative evidence of academic achievement, ability, motivation and responsibility that indicates potential for successful academic work at USF.
4. A first-time-in-college applicant whose native language is not English must present a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL scores between 500 and 550 may be considered for admission with the condition that they must take a specified sequence of English courses. International citizens (non-resident aliens) must also comply with all requirements for admission of international applicants (next page).
5. First-time-in-college applicants seeking admission at the freshman level to a limited access degree program in Engineering must meet additional requirements specified by the program.

### 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. To be considered for early admission, an applicant must submit an SUS Application for Admission, a non-refundable application fee of \$20.00, an official high school transcript, SAT or ACT scores, and a TOEFL score if applicable. The Supplemental Information for Early Admission Form (available from the Office of Admissions in Tampa), and a personal letter outlining reasons for seeking early admission are also required. While early admission applicants are evaluated on an individual basis, those admitted generally present at least a 3.5 high school grade point average (as computed by USF) and a combined score of at least 1300 on the SAT I or a composite score of at least 27 on the ACT. In addition, early admission applicants should be

enrolled in a strong college-preparatory curriculum while in high school. Applications for early admission will be reviewed by the Director of Admissions in conjunction with the Dean of Undergraduate Studies.

### Undergraduate Transfer Applicants

Applicants with fewer than sixty transferable semester credits are considered lower-level transfers. Upper-level transfers are those with 60 or more transferable semester credits. The requirements for admission for both categories of transfer students are described 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). All credits earned during the period of time a regionally accredited institution was in a "candidacy" status for accreditation are considered for transfer credit. Credits earned at an institution that is currently in "candidacy" status will not be considered for transfer credit until such time as the awarding institution receives full regional accreditation. For an applicant applying from a non-regionally accredited school, the admissions decision will be based on prior work at a regionally accredited institution. If all post-secondary work is from a non-regionally accredited school, the evaluation will be based on the high school record and test scores and the applicant will be regarded as a freshman for purposes of admission.

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

### Lower-Level Transfer Applicants

(with fewer than 60 transferable semester credits)

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

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

- Be in good standing and eligible to return to the last regionally accredited institution attended as a degree-seeking student;
- 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.);
- Satisfy fully all freshman admissions standards as described in the previous section entitled "Freshman Applicants." (Meeting freshman admission standards is a critical requirement for undergraduate applicants with fewer than 60 transferable credits. Board of Regents rules and policies do not provide for exceptions to these requirements.);
- 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);
- Present a minimum score of 550 on the Test of English as a Foreign Language (TOEFL) if the applicant's native language is not English. The TOEFL requirement may be waived on an individual basis when appropriate alternative evidence of English language proficiency is presented in writing. If otherwise qualified, applicants who present TOEFL



scores between 500 and 550 may be considered for admission on the condition that they must take a specified sequence of English courses. International citizens [non-resident aliens] must also comply with all requirements for international applicants.

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

## Upper-Level Transfer Applicants

(with 60 or more transferable semester credits)

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

Any transfer student with 90 or more semester hours who designates a desire for admission to a limited access undergraduate program must meet the overall admission GPA criteria of that program in order to be admitted to the University.

Applicants with Associate of Arts (A.A.) degrees from Florida public institutions will be admitted as juniors into the University within curricular, space and fiscal limitations. A.A. degree holders seeking admission to quota/limited access degree programs must also meet all requirements specified by the desired program. The admission of Florida community/junior college 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 550 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. (The colleges of Business and Engineering normally require the TOEFL score regardless of prior educational background and/or degrees earned.) If otherwise qualified, applicants who present TOEFL scores between 500 and 550 may be considered for admission on the

condition that they must take a specified sequence of English courses. International citizens [non-resident aliens] must also comply with all requirements for international applicants.

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

## Evaluation of Transfer Credit

1. The receipt and evaluation of transfer credit is the responsibility of the Office of Admissions. The Office of Admissions will evaluate the acceptability of total credits transferable to the University. The college of the student's major will assign equivalent courses in determining which courses are applicable toward a specific degree at the University. In some instances, exact course equivalents will also be determined by other colleges which offer the same or similar courses as part of their programs of study. Transfer students should be prepared with personal copies of their transcripts of all past course work to discuss advisement and placement with the appropriate academic advisor and should contact the college of their major soon after registration so that an official evaluation may be completed.
2. USF will accept credits only from those institutions accredited by one of the regional accrediting agencies/commissions\* at the time the credits are earned. (See \* below for agencies recognized by USF.) All credits earned during the period of time a regionally accredited institution was in a "candidacy" status for accreditation are considered for transfer credit. Credits earned at an institution that is currently in "candidacy" status will not be considered for transfer credit until such time as the awarding institution receives full accreditation.
3. USF reserves the right to deny credit for specific courses. USF does not award transfer credit from institutions that is determined 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, acting, vocal, and instrumental music.
6. At least 60 semester hours must be earned from a baccalaureate-granting institution regardless of credit hours transferred from a community/junior college unless the student has received prior approval for waiver of this policy from the college of his/her intended major. This policy does not affect approved articulated programs based on the A.S. degree. For information regarding specific articulated A.S. degree programs, consult the Office of Adult and Transfer Student Services.
7. Credit will not be awarded for GED tests.
8. 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. The maximum credit for ROTC and military science courses will vary with each college. A student must confer with his/her college advisor to determine the acceptability for his/her major. This was effective Fall Quarter, 1975. ROTC and military science taken prior to Fall, 1975, are not acceptable for transfer credit.
10. A maximum of 45 semester hours of College Level Examination Program (subject and general examinations) credits can be accepted for transfer credit.
11. A maximum of 30 semester hours of extension, correspondence, and military service education credits can be applied toward a degree.
12. Grades earned in transferred courses are not computed in the student's USF GPA except for the purposes of admission to limited access programs, the awarding of honors at graduation, and class ranking of baccalaureate students.
13. International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student.
14. A continuously-enrolled USF degree-seeking student must obtain prior written approval from the college of the student's major in order for courses taken at other regionally-accredited institutions to be applied to the USF degree program.

Accrediting Agencies/Commissions: New England Association of Schools and Colleges, Commission on Institutions of Higher Learning, Middle States Association of Colleges and 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 of \$20.00 payable in U.S. dollars, a TOEFL score if applicable, a Statement of Financial Responsibility, undergraduate or graduate admissions test scores as specified for appropriate applicant category, transcripts showing subjects and grades from the first year of secondary work to the time of application, and a Visa Clearance Form (if currently in the U.S.). Transcripts in a language other than English must be accompanied by a certified English translation.

International credentials must be evaluated by an independent evaluation service, with associated costs to be paid by the student. Information about recommended and approved independent evaluators is available from the Office of Admissions.

An international applicant (non-resident alien) must meet all admission requirements for the appropriate applicant category (freshman, undergraduate transfer, graduate). Other minimum requirements are as follows:

1. An international applicant whose native language is not English must present a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). This requirement may be waived if the applicant has an A.A. degree from a Florida community/junior college or SUS institution. (The colleges of Engineering and Business normally require the TOEFL score regardless of prior educational background.) If otherwise qualified, applicants who present TOEFL scores between 500 and 550 may be considered for admission with the condition that they must take a specified sequence of English courses.
2. International applicants must be in good standing at the last institution attended.
3. International applicants must submit the USF Financial Statement substantiating availability of financial resources sufficient to cover all educational, maintenance, and personal expenses while attending USF, without financial assistance from the University.

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

### 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 Program

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

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

Potential University Honors Program-Two Year Track students are actively recruited, but any interested student who feels that he/she is qualified may request admission. Students typically have 3.50 college GPAs and 1270 SAT or 28 ACT scores. A number of scholarships are available for Honors students.

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

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

### St. Petersburg Campus Honors Program

The St. Petersburg Campus offers an interdisciplinary Campus Honors Program to superior students in all majors who have transferred to USF with or without an A.A. degree. The Campus Honors Committee and Director determine admission to the program. Applications should be submitted to the Director on the St. Petersburg Campus. (See complete Program description in Academic Programs and Services.)

### Scholars' Community

The USF Scholars' Community is for students who have earned the distinction "Florida Academic Scholar" and those admitted to the University Honors Program. Students in the Community who wish to participate in Honors should discuss this with the Director of Honors.

Students in the Community and in Honors have the option of living in Lambda Hall, the Honors residence on campus. Living in Lambda gives students the opportunity to socialize and study with academic peers, enriching the college experience. The Lounge in Cooper Hall serves as a social hub for students. Organized social activities and social projects are carefully planned for students in the Community. Scholars'

Community students are among the first to register each semester. Special advising and counseling are always available to students in the Community.

## Other General Information

### Evening Courses

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

### Opportunities for Accelerated Progress Toward Undergraduate Degrees

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

1. Recognition of satisfactory performance on tests offered through the College Level Examination Program (see CLEP).
2. Recognition of satisfactory performance on tests offered through Advanced Placement Programs of the College Entrance Examination Board (see Advanced Placement Credit Programs).
3. Dual enrollment as a non-degree-seeking student at USF prior to graduation from high school or a community college (see Dual Enrollment [High School]). Community college students should follow eligibility criteria for non-degree seeking students (below) as well as their home school procedures.
4. Early admission for high school students (see Early Admission Freshmen).
5. Open University (O.U.) courses by television.

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

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

### Non-Degree Seeking Student

Non-degree seeking student enrollment is on a space-available basis and has been established for those individuals who, while not 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 nor to 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 (High School)

Dual enrollment in USF classes is open to academically qualified students currently enrolled in high school who are recommended by their guidance counselor or principal. The University has articulation agreements with Hillsborough, Polk, Collier and Broward County school boards to allow high school students to enroll in classes at USF. Please contact your high school guidance counselor for more information or the Office of the Dean of Undergraduate Studies, SVC 2002, 4202 E. Fowler Avenue, Tampa, FL 33620-6920.

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

### Readmission (Former Students Returning)

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

To be readmitted, a student must meet the following requirements:

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

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

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

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

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

### Florida 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.



# FINANCIAL INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

## Florida Residency For Tuition Purposes

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

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

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

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

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

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

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

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

## Fees

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

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

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

1. **Initial Application Fee**  
(Each application - not refundable) \$20.00
2. **Tuition**

Schedule/Fee Statements are no longer mailed. Tuition is due by the fifth day of each term. To find out the amount of the

total tuition due (the amount will not reflect any payments made on the account), students can:

- Call SUNDIAL (Telephone Registration).
- Use SUNLINK and choose option "B" - "View Your Class Schedule/Tuition."
- Bring a photo ID to the Registration HelpDesk located in the Registrar's Lobby, SVC 1034, and request a Registration Confirmation which will reflect total tuition and fees.

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

To avoid a \$50.00 late payment fee, all tuition fees must be paid or postmarked by the fifth day of the term. A student whose registration has been cancelled may request registration reinstatement through the fourth week of the term for the academic term. Upon approval for reinstatement, all fees and other debts owed to the University must be paid in full by cash, money order, or cashier's check before reinstatement will be affected.

### a. Spring 1997 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*
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#### Tampa Campus:

0001-4999 Undergraduate	\$65.35/hr	\$240.19/hr
5000-Over Graduate	\$120.91/hr	\$391.65/hr

#### Tampa OU & Off Campus Credit Courses:

0001-4999 Undergraduate	\$60.29/hr	\$235.13/hr
5000-Over Graduate	\$115.85/hr	\$391.65/hr

#### St. Petersburg Campus:

0001-4999 Undergraduate	\$56.45/hr	\$231.29/hr
5000-Over Graduate	\$112.01/hr	\$382.75/hr

#### St. Petersburg OU & Off Campus Credit Courses:

0001-4999 Undergraduate	\$55.95/hr	\$230.79/hr
5000-Over Graduate	\$111.51/hr	\$382.25/hr

#### New College - Sarasota:

0001-4999 Undergraduate	\$60.20/hr	\$235.04/hr
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#### Sarasota Campus:

0001-4999 Undergraduate	\$58.08/hr	\$232.92/hr
5000-Over Graduate	\$113.64/hr	\$384.38/hr

#### Sarasota: OU & Off Campus Credit Courses:

0001-4999 Undergraduate	\$56.08/hr	\$230.92/hr
5000-Over Graduate	\$111.64/hr	\$382.38/hr

#### Lakeland Campus:

0001-4999 Undergraduate	\$53.20/hr	\$228.04/hr
5000-Over Graduate	\$108.76/hr	\$379.50/hr

#### Lakeland: OU & Off Campus Credit Courses:

0001-4999 Undergraduate	\$53.20/hr	\$228.04/hr
5000-Over Graduate	\$108.76/hr	\$379.50/hr

\*See "Resident Status," above

### NOTE:

- (1) There is no ceiling (maximum) on the amount which a student may be assessed for a single term.
- (2) A lab fee of \$8.00 to \$15.00 is charged on certain courses. Please consult your class schedule to locate the courses that require the fee and the amount of fee that applies to the course.

- (3) Students who *only* register for a co-op assignment must pay a minimum of one (1) hour at the level of the co-op assignment.
- (4) Cashier's Office Hours - Regular Registration - See regular registration dates and times in "Schedule of Classes." Remainder of term Monday through Friday, 9:00 a.m. through 3:00 p.m.
- (5) Tuition fee payment should be mailed to:  
Division of Finance and Accounting  
University of South Florida  
4202 Fowler Avenue, ADM 147  
Tampa, Florida 33620-5800

**b. Estimated Bachelor of Independent Studies Fees**

	Resident	Non-Resident
Application Fee	\$20.00	\$20.00
1st Study Area		
Independent Study	904.35	3,526.96
Seminar	904.35	3,526.96
2nd Study Area		
Independent Study	904.35	3,526.96
Seminar	904.35	3,526.96
3rd Study Area		
Independent Study	904.35	3,526.96
Seminar	904.35	3,526.96
4th or Inter-area Study	1,808.70	7,053.90
Total*	\$7,234.80	\$28,215.60

\*Fees do not include books, on-campus seminars, housing or food service.

**c. PACE Fees**

Students enrolling in courses through the School of Continuing Education, PACE, normally pay registration costs directly to PACE, not to the Cashier's Office. PACE fees are usually slightly higher than Tampa Campus rates.

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

**4. Financial Aid Disbursement**

Financial aid checks are mailed to students local address, except for students with disbursement contingencies. Details are available in the "Schedule of Classes" each term. Financial aid recipients who don't qualify for temporary tuition deferments contracts must pay their tuition by the end of the second week of classes to avoid cancellation of their registration.

**5. Cancellation for Non-Payment of Fees**

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

**6. Intern Certificate of Participation**

Students who present Intern Certificates for payment of their tuition fees will have to pay an estimated \$4.76 per hour charge for all credit hours taken during the term. By paying the estimated \$4.76 per credit hour charge and presenting an Intern Certificate, a student will be allowed to register for an unlimited number of credit hours during a single term. These students will not be charged a student health fee.

**7. Staff/State Employee Waivers**

Eligible USF and other State agency employees interested in enrolling for free university courses should obtain a State Fee Waiver Form from their respective Human Resources offices and complete it prior to registering. USF

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

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

The original completed/approved fee waiver should be brought to the Cashier's Office, ADM 131, during the first week of classes. All hours in excess of six must be paid for at the regular rate by the fee payment deadline. Employees should contact the Registrar/Admission's Office to ensure compliance with admissions, enrollment, and Florida residency requirements.

**Notice to Individuals Utilizing State Employee Fee Waivers:**

Employees should be advised that there has been a change in the Internal Revenue Code (IRC), Section 127, making the utilization of the State employee fee waivers a taxable benefit to employees. After June 30, 1996, employees enrolled in *graduate level courses* earn taxable income equal to the tuition waived on graduate level courses. After May 31, 1997, employees (except for employees of universities in the Florida State University System as noted below) enrolled in *undergraduate level courses* will earn taxable income equal to the tuition waived for undergraduate courses. This taxable income is subject to both Federal income tax and Social Security and Medicare taxes (FICA). Therefore, it is important for employees utilizing State fee waivers to assure that their correct residency is reflected on the Registrar's system so that fees will be properly assessed and subsequently taxed.

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

The taxable value of tuition waived will be reported to the State Comptroller's Office, Bureau of State Payrolls, each semester by the Division of Finance and Accounting so that all appropriate taxes can be withheld. Any individuals wishing to claim a tax exclusion for courses reported to the Bureau of State Payrolls by the University, should work through their agency's Human Resource/Personnel Office to file necessary paperwork with the Bureau. We have been advised that agencies with individuals claiming a tax exclusion for the course waived will be given an opportunity to make this claim with the Bureau of State Payrolls before taxable values are included with the employee's earnings.

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

**8. Tuition Deferment for VA Students**

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



**9. Florida Prepaid College Program**

Students who are eligible to receive benefits under this plan are responsible for the local portion of fees. These fees are \$17.81 per credit hour, including applicable lab fees. This fee must be paid or postmarked by the fifth day of the term to avoid being cancelled or charged the \$50.00 Late Payment Fee.

**10. Mailed Payments**

To avoid cancellation of registration or a \$50.00 Late Payment Fee, all fee payments must be postmarked, by the **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 \$50.00 Late Payment Fee and a \$15.00 administrative charge will be assessed on any registration check returned unpaid to the University.**

**12. 1997/98 Room Rent for Double and Single Occupancy\***

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

(2 Term Contract)		
Double Occupancy	Fall/Spring	Spring Only
Andros Per Term	\$1,122	\$1,122
Argos Per Term	\$1,122	\$1,122
Village Per Term	\$1,218	\$1,218
(2 Term Contract)		
Single Occupancy	Fall/Spring	Spring Only
Andros/Argos Per Term	\$1,615	\$1,615

**13. Meal Plans 1997-98\***

There are a variety of Meal Plan options to choose from:

- The Complete Plan*...unlimited access at Crossroads Cafe. Semester Price: \$1,177.00\*\*
- The Flexible Plan*...Any 150 meals at Crossroads and \$150 flex bucks. Semester Price: \$968.55\*\*
- The Value Plan*...Any 12 of the 19 meals each week at Crossroads. Semester Price: \$882.75\*\*
- The Convenience Plan*...Eight meals each week and \$100 flex bucks. Semester Price: \$795.50\*\*
- The Retail Plan*...\$775 flex bucks to be used at dining locations throughout campus. Semester Price: \$775\*\*
- The Thrift Plan*...100 meals per semester and \$100 flex bucks. \$715.25\*\*

Crossroads Cafe is open Monday through Friday from 7:00 a.m. - 7:00 p.m. and Saturday and Sunday from 11:00 a.m. - 7:00 p.m.

Flex bucks can be used at all campus dining locations. When purchasing with flex bucks, you will be entitled to a 5% discount on all food purchases at all campus dining locations except *The Corner Grocery*.

Annual discounts are available. To find out about these or to sign up simply stop by the Dining Services office located in the Argos Center or call (800) 775-MEAL (6325). In Tampa, call (813) 974-4385.

\*Rates subject to change

\*\*Includes states sales tax

## Refund of Registration Fee Payment Release of Registration Fee Liability

The following refunds, less deductions for unpaid debts to the University, are authorized. A Refund Request form must be completed and presented to Cash Collections, ADM Rm 106, in the Division of Finance and Accounting to initiate the refund process. A two-week waiting period is observed for each refund in the event a check is returned:

- a. 100% of registration fees and tuition will be refunded if notice of withdrawal from the University is approved prior to the end of drop/add period and written documentation is received from the student.

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

**Fee Adjustment Request After Fifth Day of the Term**

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

- a. 100% of registration fees and tuition will be refunded when a student withdraws or drops a course due to circumstances determined by the University to be exceptional and beyond the control of the student, including but not limited to:
  - (1) Illness of a student of such severity or duration, as confirmed in writing by a physician, to preclude completion of the course(s),
  - (2) Death of the student or death in the immediate family (parent, spouse, child or sibling) as confirmed by documentation indicating the student's relationship to the deceased,
  - (3) Involuntary call to active military duty,
  - (4) A situation in which the university is in error as confirmed in writing by an appropriate University official,
  - (5) Other documented exceptional circumstances beyond the control of the student which precluded completion of the course(s) accompanied by letter of explanation and appropriate documentation.
- b. Students who receive financial aid and subsequently change their enrollment status which results in a refund in accordance with this subsection, may have all or a portion of their refund returned to the University's financial aid programs in accordance with the Financial Aid Policy on Refunds and Repayments.

**Payment of Accounts Due the University**

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

**Financial Aid**

Grants, scholarships, low interest loans and federal work-study are all forms of financial aid. You apply for most financial aid by submitting the Free Application for Federal Student Aid (FAFSA). Since many programs are funded on a limited basis, it is to your advantage to apply early (Priority Applications dates are provided each year in the *Financial Aid Guide*).

Detailed descriptions of the various forms of aid, the FAFSA and application information are available from the USF Office of Financial Aid. You may pick the information up from SVC 1102, the Office of Financial Aid, or you may call (813) 974-3730 and request the information.

You can access *FastWEB* and *ExPAN*, nationwide scholarship searches, and USF scholarship information via the World Wide Web. The address is <http://www.rmit.usf.edu/enroll/finaid/finaid.htm>. You can also complete your FAFSA electronically via FAFSA Express. FAFSA Express can be downloaded to a computer with a modem, or you may come to the Office of Financial Aid during regular business hours to both complete your FAFSA and/or do a scholarship search.

The Office of Financial Aid's web page also allows you to e-mail your financial aid counselor directly, offers a variety of financial aid information from USF and other resources, and

"Breaking News" (updated daily) provides you with updates, changes and important details regarding the financial aid application process.

If your aid is delayed past the tuition payment deadline, you may receive an automatic tuition deferment, which allows a later tuition payment deadline. Tuition deferment letters are mailed to qualifying students. Short term loans are also available for limited use. The deadline for a later tuition payment and details about short term loans are printed in the semesterly *Schedule of Classes*.

If you experience a financial hardship that makes it impossible to make full payment of your tuition by the payment deadline, you may request approval to pay the tuition in installments in the Cashier's Office, ADM 147. For more information, contact the Cashier's Office.

### Academic Scholarships

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

1. All financial aid applicants are automatically considered for scholarships administered through the Financial Aid Office if applications are completed by the priority deadlines. The different priority deadlines are published each year in the Financial Aid Office Information Bulletin.
2. The Office of Admissions administers a variety of different scholarships for first-time-in-college students and transfer students. All students interested in academic and minority scholarships should contact the Admissions Office directly. The scholarship application deadline is usually March 15 preceding the upcoming school year.
3. 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. The scholarship application deadline is usually March 15 preceding the upcoming school year.
4. The individual colleges of the University (the College of Business, the College of Education, etc.) administer some scholarships directly through the Dean's Office in each college. New students and transfer students are advised to contact the USF Admissions Office or the Office of Adult and Transfer Student Services first, and then the individual colleges regarding scholarship opportunities.
5. A limited number of out-of-state tuition waivers are available based on academic performance. New students and continuing students are eligible to apply for these awards. New students will be considered for the waiver based on their performance in high school or transfer institution. Continuing USF students will be considered for the waiver based on cumulative academic performance at USF. For information contact the Scholarship Coordinator in the Office of Admissions.

General inquiries regarding scholarships should be directed to the Scholarship Coordinator in the Office of Admissions.

### Vehicle Registration and Fees

#### Motor Vehicles

Students may use properly registered motor vehicles on any University campus. Parking facilities are provided for resident and commuter students. All motor vehicles, motorcycles, and bicycles used on campus must be registered with the campus Parking Services Department. This applies to full-time or part-time, day or evening students. To register a vehicle a valid staff, student, or employee identification card (which forms the basis for the type of tag to be issued) will be required. **State vehicle registration, indicating owner of vehicle, must be shown to the clerk of the Parking Services Department on request.** A booklet entitled "USF Traffic and Parking Regulations" will be issued to each student upon registering a motor vehicle. Current registration fees are published annually in the USF Traffic and Parking Regulations.

Yearly fees for students registering after the first term will be adjusted proportionally. Students may park in remote areas for a lesser fee. All annual decals expire on August 31 of the academic year.

#### Bicycles

There is no fee for registering bicycles. A booklet entitled "USF Bicycle Traffic and Parking Regulations" will be issued to each student registering a bicycle.

#### Disabled

All staff/students with physical disabilities which impede walking may apply to the Parking Services Department of the local campus for a disabled hangtag. Proof of disability such as a letter from the doctor is required. Persons will receive vehicle registration hangtags free of charge if they are wheelchair-bound, legally blind, hold a current State of Florida Disabled Parking Permit, or have military disability of 50% or greater with V.A. certificate or letter (disabilities, other than wheelchair-bound, will require proof of disability to receive hangtags free of charge). Other disabled registrants will pay the regular fee. Wheelchair-bound registrants are entitled to an exclusive disabled parking space. Other disabled registrants shall share spaces marked Disabled.

#### Evening Students

Vehicle registration requirements and fees apply to evening students as well as day students.

### Special Services

#### Department of Veterans Affairs (VA) Benefits

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

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

To be eligible for full-time VA benefits at USF, undergraduates and non-degree seeking (special) students must enroll for 12 or more semester hours, and degree seeking 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 "Veterans Handbook for VA Students" (available at their local USF Veterans Services office) for information on various programs/services, and VA rules and regulations. Under no circumstances will the VA pay benefits to a student taking a course by audit. *It is the student's responsibility to inquire concerning all VA rules and regulations and to report any change in status which affects his/her benefits.* Additionally, VA benefits will be terminated for students who are dismissed for academic or disciplinary reasons and can only be reinstated after academic counseling.

Veterans with a service-connected disability requesting 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 1-800-827-1000.

\*See "Resident Status," above



# STUDENT AFFAIRS & STUDENT SERVICES

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

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. The programs of the University are presented according to the guidelines established by the Florida Board of Regents (Section 6-C, Administrative Code of Florida).

Students who attend the University of South Florida are admitted to the University under guidelines as well as policies and procedures of the University. University officials, and in particular Office of the Vice President for Student Affairs is charged with interpreting the policies of the Board of Regents to students, their families, and others in the University community.

## Division of Student Affairs

The Division of Student Affairs is composed of the areas of **Enrollment Planning and Management, Academic Support and Achievement, and Student Life and Wellness.** The Division is committed to creating a student-focused learning community distinguished by shared purpose, collaboration, open and timely communication, mutual respect, trust and inclusiveness. Student Affairs will provide leadership for a diverse University community, inspire the pursuit of academic excellence through collaborative learning and foster a caring environment that encourages the personal and professional development of students and those who serve them. In partnership with University faculty and staff and the community, the staff will reach beyond individual perspectives to develop life-long learners who are broadly educated, ethical, open to differences, capable of critical thinking, and who share responsibility for enhancing the human condition. The achievement of this vision will contribute to making the University of South Florida the university of first choice.

Student Affairs staff provide new students and prospective students assistance in gaining information about the University before they arrive on campus during the admissions process. 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 service, 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 trouble. A variety of programs and services are offered by the Student Affairs staff to provide students opportunities to become involved in college life outside the classroom: orientation for new students, residence halls, student organizations and Phyllis P. Marshall Center programs and activities, student government, student publication, intramural and recreational sports, student health education/wellness programs, and events of special interest.

## Division of Student Affairs Diversity Statement

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

## ACADEMIC SUPPORT AND ACHIEVEMENT

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

## Center for Academic Advising

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

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

## Student Disability Services

The Student Disability Services Office provides assistance to eligible university students to allow full participation in all academic courses and activities. Services such as readers and notetakers and adaptive equipment are provided through this office. Students are encouraged to contact the office prior to registering for classes to make arrangements for the planning of services.

USF has facilities for persons with disabilities and encourages their enrollment in the University. Due to the mild climate, relatively flat terrain, modern architecture, and recent modifications, many persons with significant disabilities have been able to function independently and successfully in the University environment. (See page 11 for further information.)

All academic programs, campus organizations and activities are open to students who are disabled. The University attempts to integrate students who are disabled into the University as completely as possible.

## McNair Scholars Program

The Ronald E. McNair Post-Baccalaureate Scholars Program is designed to prepare economically disadvantaged and underrepresented (Hispanic, African American and Native American) juniors and seniors for doctoral programs at the undergraduate level. 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, to engage in research and to develop the personal and professional skills and improve 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 MLAT test preparation. These students are awarded scholarship



stipends when they participate in the Summer Research Institute and during their research internship in their senior year. Opportunities to attend and present their research at national and regional conferences are also provided. The criteria for this very competitive scholars program are as follows: 2.8 minimum cumulative GPA, declared major, a minimum of 45 earned credit hours, current enrollment at USF at the junior or senior level, US citizenship, and a completed McNair application with faculty recommendations.

### Project Thrust

Project Thrust is a university-wide retention program designed to assist minority undergraduate students at USF in completing their baccalaureate education. Assigned to four of the undergraduate colleges, this retention program specifically aids students who have declared majors. The major role of Project Thrust advisors is to provide students with immediate and long-term assistance necessary to ensure the successful completion of programs within the respective colleges. Throughout the year, Project Thrust provides advising and counseling, tutorial services, and free test preparation workshops.

### Personal Excellence Program

The Personal Excellence Program (PEP) is a freshman retention program for selected first-time-in-college students at the University of South Florida. Throughout the academic year, the program uses strategies and specialized activities to strengthen students' academic skills, improve their ability to function in the campus environment, and enhance their self-esteem. Services provided through PEP include academic and personal counseling, mentoring, tutoring, career development, peer support and study groups, enrichment seminars and other special programming activities.

The Personal Excellence Program also provides a residential summer transition program for students who might not meet all of the University's admissions criteria, but have the potential to succeed in college. In selecting summer program participants, consideration is given to high school grades and courses, test scores, and major choice, among other criteria. The summer program facilitates a smooth transition into university life by acquainting students with college expectations and resources. Participants receive individualized advising, assistance with fall semester scheduling and registration, course credit toward graduation, and strategies for surviving the demands of college life. This intensive summer experience is designed to enhance participants' personal and academic success at the University of South Florida.

### Student Academic Support System

The Student Academic Support System (SASS) is the State University System computer assisted advising system which enhances undergraduate education. The report produced by this system is available to each undergraduate student through the student's advisor, advising office or SUNLINK. It matches the student's academic record against the requirements of the student's degree program. The central SASS office maintains the data and trains appropriate college personnel.

### Student Support Services Program

Student Support Services (SSS) is a federally funded retention program designed to provide academic and personal support to alternatively admitted first generation, low income, and students with disabilities. 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.

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

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

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

## ENROLLMENT PLANNING AND MANAGEMENT

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

### Admissions

The Office of Admissions assists prospective students with securing information about USF. The office is responsible for processing applications for admission for undergraduate and former students returning. Admissions also reviews transfer credit taken at other regionally accredited institutions for determination of transferability. The Office of Admissions is located in the Student Services Building (SVC) 1036, 813/974-3350. Admission services are also available at all regional campuses.

### Adult and Transfer Student Services

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 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 facilitating their entry into the University environment. In addition, the office supports the continuation of their educational goals by developing partnerships with community colleges, area employers, and community groups as well as within the USF community. ATSS also focuses on the concerns of women faculty, staff, and students through specialized programming and collaboration with other university services.

The office is located in the Student Services Building (SVC), Room 1001, with hours of operation Monday through Thursday, 8am to 8pm; Friday, 8am to 5pm; and Saturday, 9am to 1pm. For more information, call (913) 974-6444.

### Career Resource Center

The Career Resource Center (CRC) assists students in making the transition from academic life to professional employment. A staff of experienced career specialists are available to help students plan, refine and implement their career goals and job search plan. The CRC also provides information on employment opportunities and creates venues for students to network and interview with local, state and national employers.

The Career Resource Center, located in the Student Services Building, room 2088, is open Monday - Friday from 8:00 am to 5:00 pm. The telephone number is 813-974-2171. Services Include:

#### Individual Career Advising

Appointments may be scheduled with career specialists, who provide assistance in resume/cover letter preparation and critiques, interview strategies, skills identification, self directed

job search techniques, networking tips and strategies for tapping into the hidden job market.

### Career Development & Job Search Workshops

Workshops, on such topics as resume writing, skills identification, interview techniques, government employment, job search strategies, networking and participating in on-campus interviews, are conducted by the CRC staff each semester.

### Part-time Student Employment

Part-time employment provides students an opportunity to earn money while developing employability skills. Vacancies, updated daily, include Federal Work Study, on-campus and off-campus part-time jobs and temporary off-campus opportunities.

### Internships

Internship opportunities provide valuable, career related work experience and a chance to affirm the choice of a career field. All majors are eligible for an internship position.

### Cooperative Education (Co-op)

Co-op is a planned and supervised program which integrates practical work experience with a student's academic program. Students may choose an Alternating or Parallel work plan. The Alternating Plan permits students to alternate full-time semesters of work with full-time semesters of study. The Parallel Plan allows students to take classes half a day and work half a day. Participation requires a minimum of 2.5 GPA, completion of 60 credit hours, a minimum (or more) of 21-24 hours before graduation and participation in a mandatory orientation.

### On-Campus Interviews

Each semester, local, state and national recruiters, from business, industry, health care, finance, entertainment, government, education and non-profit organizations visit campus to interview USF students for employment. Students from all majors, and within 3 semesters of graduation, may participate in on-campus interviews. Participation requires attendance at an On-Campus Recruitment Orientation and submission of a completed 1st Place Electronic Resume Disk, which may be obtained from CRC.

### Candidate Resume Referral

Throughout the year employers, who do not conduct on-campus interviews for full-time professional employees, contact the CRC to request resumes of USF students. Upon an employer's request, the CRC electronic database is queried and matching resumes are faxed to the employer. Approximately 11,000 organizations receive USF student resumes each year.

### Full-time Professional Employment Vacancies

In addition to the On-Campus Interviews and Candidate Resume Referral, the Career Resource Center also houses local, state and national full-time job vacancies from education, health care, government, business, communication, finance, entertainment, industry, etc. Full-time employment opportunities, updated on a daily basis, are available in Job Vacancy Notebooks, a computerized electronic job database and a telephone JobLine.

### Career/Networking Fairs

Each semester, employers participate in various Career/Networking Fairs. These events provide a common ground for the student and employer to network and discuss employment/career opportunities. CRC's Career/Networking Fairs include: Fall and Spring Career Expo, Graduate and Professional Day, Part-time Job Fair, Teacher Career Fair and a Statewide Career Fair.

### Employer Information and Videotape Library

The CRC Library maintains current information regarding employer information, in both print and video form. Videos and printed reference materials are also available on resume writing, job search strategies and interview techniques.

### Financial Aid

USF makes every effort to ensure that no qualified student is denied access to an education due to inadequate funds. Many student financial aid programs are administered or coordinated through the USF Office of Financial Aid.

The Office of Financial Aid provides assistance to students by offering a variety of services including literature specific to the application process, program specific brochures, a Web site, a voice response telephone system that allows a student to access his or her own financial aid file, and assigned counselors based on the last four digits of students' social security numbers. Counselors and advisors are available by telephone, by appointment, and students may also e-mail counselors via the Web site ([www.rmit.usf.edu/enroll/finaid/finaid.htm](http://www.rmit.usf.edu/enroll/finaid/finaid.htm)). General questions may be directed to the office-wide e-mail address - [financialaid2@admin.usf.edu](mailto:financialaid2@admin.usf.edu).

FastWeb and ExPAN, nationwide scholarship searches, are available via the Web site (in addition to scholarship information specific to USF). In addition, students may complete their Free Application for Federal Student Aid (FAFSA) electronically via FAFSA Express. FAFSA Express is available for downloading to any computer with a modem from a link to the above-mentioned Web site, or FAFSA Express computers are available in the Office of Financial Aid during business hours.

The Office of Financial Aid is located in the Student Services Building (SVC) 1102, 813/974-4700. Financial aid services are also provided on all regional campuses.

### Orientation

The Orientation Office is responsible for preparing all new undergraduate students and former USF undergraduate students returning for their academic careers at USF. The Orientation program is designed to provide a general orientation about the policies, procedures and services of USF, to provide academic briefings and advising and to assist these students with registration. All new undergraduate students and former students returning who had to be readmitted must attend an orientation program prior to the semester they enroll.

The Orientation Office provides information tents during the first week of classes for fall semester, daily campus tours and informational and educational programs throughout the first year for new first time in college students. These programs are designed to assist new undergraduate students with the transition to USF. The Orientation Office is located in the Student Services Building (SVC) 1037, 813/974-3060. Orientation services are also provided on all regional campuses.

### Office of the Registrar

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 activities and services and mail grade reports to students every term. When students need transcripts or require certification of enrollment status, the Registrar's Office is the place to go. Registrar's staff act on student requests for reclassification of residency and process changes of name and student I.D. number. The Registrar's Office also makes available forms to petition the Academic Regulations Committee (ARC), to request fee adjustments or late registration fee waivers, and a posting of grade forgivenesses.

The Registrar's Office supports the Student Use Network (SUN), which provides information and services to students via touchtone telephone (SunDial) and computer terminal (SunLink). With their self-declared personal identification numbers (PIN), students can register and drop/add, in addition

to getting their grades by telephone. From any computer terminal connected to the University mainframe, students can update their local and permanent addresses, review their USF and transfer credits, get their registration appointment times and see any administrative holds on their registrations, browse the latest version of the University *Schedule of Classes*, verify their current or future term schedules (with up-to-date meeting information), and view their grades for any term. Student information and services are continually being added to SunDial and SunLink.

The Registrar's Office is located on the Tampa Campus in the Student Services Building (SVC) 1034, 813/974-2000. Records and Registration Offices are also located on every regional campus.

## STUDENT LIFE AND WELLNESS

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

The subdivision of Student Life and Wellness consists of the following Departments:

- Residence Life
- Student Health Services
- Counseling Center for Human Development
- Phyllis P. Marshall Center
- Campus Recreation
- Student Publications
- International Student and Scholar Services
- Student Government
- Student Judicial Services
- Student Relations

### Counseling Center for Human Development

The Counseling Center is a comprehensive, student-oriented facility providing services in educational skill enhancement, career development, and mental health to the USF community. The Center offers individual treatment on a time-limited basis and makes referrals to in-house therapy groups or to community settings for appropriate management of problems requiring longer-term care. All services preserve the confidentiality of students.

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

**The Personal Counseling Service** is designed to enhance the social-emotional adjustment of students who are experiencing stresses that interfere with personal growth and adjustment to university life. Professional counselors seek to enable the student to develop a clear sense of identity, establish autonomy, discover strengths and potential, and become a more insightful, self-directing person. Services, aimed at early

detection of potential mental health problems, are as follows: Intake evaluation and disposition, crisis intervention, psychological assessment, time-limited individual psychotherapy, couples therapy, personal growth groups, and both time-limited and ongoing psychotherapy groups. Adjunctive services include psychiatric consultation, anxiety management, and skill-enhancement workshops.

**The Reading and Learning Program** seeks to provide students with reading skills and learning strategies necessary for academic success in higher education. Diagnostic services include determining an individual's functioning in reading comprehension and study skills. Additionally, two courses are offered for credit-Advanced Reading and Learning Strategies within Academic Disciplines. Students may request individual sessions focused on the application of learning strategies to academic course work. Each semester a variety of workshops focus on reading and study skill topics, as well as CLAST reading workshops for those students preparing for the CLAST test.

**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 maintained in the Center. Additionally, the Learning Disabilities Testing Program receives referrals from the Office of Disabled Student Services and identifies students with specific learning disabilities.

**The Outreach Program** aims at understanding the needs of the University community and developing programs to meet those needs. Structured groups and workshops are provided for students and staff as methods of primary prevention and education. Through a monthly newsletter, columns in the student newspaper, posters, advertisements, and presentations to student organizations and other groups, Center staff provide information about a wide range of mental health and psychosocial issues that concern students.

Specialized programs include the **Center for Alcohol and Substance Abuse (CASA)** and **Vocational Rehabilitation Services**. CASA focuses on research, prevention, and treatment with regard to alcohol and other drug use/abuse. Vocational Rehabilitation services are available for qualifying students and include vocational evaluation, vocational and personal counseling and guidance, coordination of services, training assistance, provision of books and supplies, and treatment.

For more information, call 974-2831 or stop by SVC (Student Services) 2124. Office hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday (except University holidays).

**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. **Office Hours:** 8:00 a.m. to 5:00 p.m., Monday through Friday (except University holidays). Under special circumstances, it is possible to call to arrange for an after-hours appointment.

For further information, contact the staff in SVC 2127, or call 974-2291.

## Student Health Services

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



The SHS staff is comprised of licensed general practice M.D.s, registered nurses, an advanced registered nurse practitioner, a board certified physician's assistant, licensed practical nurses and assistants, licensed laboratory technologists, certified health educators, a registered dietitian and administrative personnel.

SHS strives to provide the best possible treatments of care for the university student community.

#### Location and Hours

SHS is located east of the bookstore and north of the Student Services Building. Hours are Monday through Friday 8:00 a.m. to 5:30 p.m. (hours may vary on holidays and semester breaks). SHS is closed on weekends.

#### 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).

#### After Hours Telephone 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.

#### Eligibility and Fees

SHS provides services to any registered student with a valid student ID card. USF Tampa Campus students are assessed a health fee that is included in their tuition each semester. Students registered on campuses other than Tampa may pay a voluntary health fee. Students taking a semester off or who graduated the previous semester may elect to pay a health fee at SHS entitling them to the same benefits as any student who is currently registered.

#### The Health Fee entitles students to:

- Unlimited visits to the clinic nurse or general M.D.s if ill or injured.
- The use of SHS specialty clinics at a reduced cost. Specialty clinics include: Gynecology Clinic, Dermatology Clinic, and Antigen Clinic.
- Reduced cost for laboratory tests.
- Access to the Health Education Department. Students may participate in a wide variety of health education and nutrition programs and services at no cost or a reduced fee. Some popular programs include: "Freedom From Smoking" Clinics, Healthy Choices Nutrition Program, REACH Peer Education and the Wellness Resource Center (WRC). Printed materials and videos are also available. Call 974-4936.

#### Prescriptions

Although SHS does not operate a pharmacy, an inventory of frequently prescribed medications is maintained, as well as some brands of birth control pills. If the medication prescribed is not available in the inventory, a prescription will be written which can be filled at any local pharmacy. When receiving the prescription, inquire about the local pharmacies which may give discounts to USF students.

#### Health Insurance

If you do not have health insurance, it is recommended you obtain some form of coverage. USF Student Government offers a student health insurance policy for a nominal fee. Applications are available in the Marshall Center, Room 203. For more information, contact the insurance representative at 974-5407.

#### Health Care

SHS provides screening and evaluations by nurses, examinations by general practice physicians, laboratory work and

antigen, dermatology, and gynecology specialty clinics. Student Health Services does act as a day infirmary, but does not provide x-ray, dental, or optometry services. Referrals are available to private facilities which provide these services.

#### Specialty Clinics

**Dermatology** - The on-staff dermatologist provides professional advice, diagnoses, and treatment of skin disorders. These may include irritations, allergies, cancer, acne, or infections such as herpes simplex, warts, and fungi.

**Antigen** - 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.

**Gynecology** - SHS full-service gynecology clinic provides comprehensive well women's care. The Gyn. team includes registered nurses, and a female board certified physician's assistant who specializes in women's health. Services include: annual Pap and pelvic examinations, STD testing, diagnosing and treating special problems. Evaluation including colposcopy is available at an affordable price. Birth Control and pregnancy testing also available. Referral available for pertinent women's health issues.

#### Health Education Programs

Student Health Services Health Education Department, staffed by professional health educators and a registered dietitian, offers students a variety of health and wellness programs. Counseling is provided for groups and individuals. The following describes some of the most popular programs. All are free and offered upon request, unless otherwise stated.

**Cardiopulmonary Resuscitation (CPR) Certification** - Adult and community certification are conducted once each semester, and by request for groups. Upon successful completion of this course, participants become certified by the American Red Cross. Participants are required to preregister and purchase the CPR manual.

**"Freedom From Smoking"** - Offered once each semester, this six-week program, sponsored by the American Lung Association, is designed to help participants "kick" the smoking habit. There is a fee and preregistration is required.

**Healthy Choices Nutrition Program** - A weight management program designed to help participants develop healthier lifestyles. Preregistration is required.

**Wellness Resource Center (WRC)** - Wellness is best defined as an approach to achieving positive levels of physical, psychological, and spiritual well-being. Targeting all the dimensions of "wellness", the Wellness Resource Center provides a variety of services to assist the community. WRC is located in the Phyllis P. Marshall Center, Room 150. Call 974-5133 for more information.

**Responsible Education and Action for College Health (REACH)** - REACH utilizes innovative, non-threatening, educational activities to bring HIV/AIDS and other Sexually Transmitted Diseases, alcohol and Birth Control education to students through their peers.

**Wellness Committee** - The Wellness Committee consists of USF students committed to promoting health and wellness with programs and activities including an Annual Health & Wellness Week.

#### SUS Immunization Policy

As a prerequisite to matriculation or registration, the State University System of Florida shall require all students born after 1956 to present documented proof of immunity to measles. All students less than 40 years of age shall present documented proof of immunity to rubella. Consistent with Department of Health and Rehabilitative Services guidelines, acceptable proof of immunity is as follows:

**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. 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 stationery, that specifies the date seen and stating 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 (rubeola).

**RUBELLA:** Students are considered immune to Rubella only if they have documentation as follows:

1. Documentation of immunization with live rubella virus vaccine on or after the first birthday or,
  2. 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 later than thirty (30) days, and no more than three (3) months later. It is recommended that both doses of measles vaccine be given as a combined measles-mumps-rubella (MMR) vaccine.

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.

**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.

- VACCINATIONS AND BLOOD TITERS ARE AVAILABLE AT STUDENT HEALTH SERVICES.

USF Student Health Services, 4202 East Fowler Avenue, SHS 100, Tampa, FL 33620-6750, (813) 974-2331, FAX (813) 974-5888.

## International Student and Scholar Services (ISSS)

The University welcomes qualified students from other countries to the campus community. This international exchange leads to the enrichment of life, intellectual development, research and understanding, and exposes students, faculty and staff to cultural and national differences in outlook, experience, and ideas.

ISSS at USF (located in the Phyllis Marshall Center) is the main administrative and counseling office for approximately 1200 international students at the university. The ISSS has four main functions; 1) Administrative: the ISSS has many administrative duties including the issuance and maintenance of visa documentation for internationals on campus, as well as monitoring health insurance for internationals; 2) Counseling: the staff of the ISSS is trained and experienced in cross-cultural counseling and is able to advise students in the areas of immigration, adjustment to life in the U.S., as well as personal and academic issues; 3) Programming: the ISSS develops and implements programs designed to assist international students in their adjustment to life at USF, and these programs include orientation, tax seminars, immigration workshops, and cultural programs; and 4) Community Service: the ISSS is the focal point of community service activity related to assisting international students and scholars, for example the Conversational English Program and the American Mentors Program.

ISSS services also include letters of enrollment and expenses, insurance advising, and numerous social activities (parties, cultural events, International Festival). The ISSS has written information concerning Tampa area activities, transportation and housing, tourist attractions, and Florida driver's licenses.

## SUS Health Insurance Requirement for International Students

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

As of Fall, 1992, no foreign student in F-1, F-2, J-1, or J-2 non-immigrant status shall be permitted to register, or to continue enrollment without demonstrating that (s)he has adequate medical coverage for illness or accidental injury. An appropriate health insurance policy must have the following elements present:

1. 52 weeks continuous coverage
2. Basic benefits: room, board, hospital services, physician fees, surgeon fees, ambulance, out-patient services and out-patient fees paid at 80% of usual, customary, and reasonable (UCR) charge after deductible is met.
3. In-patient mental health care: 50% of UCR charges with a thirty (30) day cap.
4. Out-patient mental health care: 50% of UCR charges with a \$100.00 cap
5. Maternity benefits: treated as any other medical condition
6. In-patient/Out-patient prescription medication
7. Repatriation: \$7,500.00 coverage to return remains to the home country in the event of death.
8. Medical evacuation: \$10,000.00 coverage to permit patient to be returned to home country for medical treatment.
9. Exclusion period for preexisting conditions: six months.
10. Deductible: \$50.00 per illness/accident if treatment is given at USF Student Health Services; \$100.00 per illness/accident if treatment is given elsewhere.
11. Aggregate cap: \$200,000.00 per illness/accident.

Students must show proof of appropriate health insurance coverage before registration. An insurance policy is available which is recommended by the ISSS at USF.

Exchange visitors, such as visiting research scholars must follow Federal Regulations regarding their insurance. These regulations implementing the Mutual Educational and Cultural Exchange Act of 1961 as amended by Public Law 87-256 require that all exchange visitors in J-1 non-immigration status and their dependents in J-2 non-immigration status must also demonstrate the possession of adequate medical insurance for illness or accidental injury.

## Residence Hall Living

The Residence Hall program is an integral part of the total educational experience offered to USF students. Professional and Graduate staff members and Resident Assistants strive to serve our mission to provide students with intellectual and social experiences in a conveniently located residence hall community supported by a concerned and informed staff...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. A student desiring to live in the Residence Halls is encouraged to apply for housing immediately upon receiving his/her official acceptance letter from USF. Florida Prepaid College Program participants with a Prepaid Dormitory Contract should note the Prepaid Dormitory Contract



number in the space allotted on the Application for Housing Contract.

### On-Campus Housing Facilities

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

The *Argos Complex* offers traditional student residential living. Gamma houses women and Beta houses men. The traditional living arrangement in these halls provides room accommodations designed for both sleeping and studying. 40-50 residents of a double occupancy living unit or 20-25 residents of a single occupancy living unit share common bath facilities which are cleaned on a regular basis by the hall's housekeeping staff. Each hall also offers laundry facilities, kitchens, community rooms, and snack machines.

The *Andros Complex* consists of nine smaller halls with suite arrangements. Delta, Epsilon, Kappa, and the 1st and 2nd floor of Mu (West Wing) house women while Iota, the 1st and 2nd floor of Mu (East Wing), Theta, and Zeta house men. Lambda Hall houses both men and women and is available exclusively to those students who have been accepted into the University Honors Program. Eta Hall houses both men and women and is designated as the Leadership House. Mu Hall is designated as an International Hall. The suites in Delta, Iota, Kappa, Lambda, and Mu are double occupancy designed to accommodate eight residents: two sharing a bedroom, four sharing a study area, and eight sharing bath facilities. The suites in Epsilon, Eta, Zeta, Theta, and Mu 3rd floor are single occupancy accommodating four residents: one per bedroom and four sharing bath facilities. The housekeeping staff cleans study areas and bath facilities on a regular basis. The five suites on each living unit also share a small kitchenette/lounge and laundry facility.

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

All student housing is air-conditioned. All rooms are carpeted, and all rooms are furnished with a bed, desk, chair, dresser, closet, and bookshelf for each resident. All rooms provide basic telephone service and cable TV with a movie channel. Food service facilities are conveniently located in the Argos Complexes. Nearby swimming pools as well as basketball, tennis and racquetball courts, await students seeking leisure-time recreation. In addition, students have the opportunity to become involved in planning activities for their hall by joining Residence Hall organizations.

For more information, contact the Residence Hall Assignment Office at 813-974-4310. The Residence Hall Assignment Office is open Monday through Friday from 9:00 a.m. to 5:00 p.m.

### Off-Campus Housing

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

## Phyllis P. Marshall Center

The Phyllis P. Marshall Center, more so than any other campus facility, serves as a focal point of daily activity for students, faculty, administration, 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.

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

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, I.D. validations, and current events information. Other services located on the first level include a computer lab, USF Federal Credit Union branch with two automatic teller machines, the USF Card Center, Wellness Resource Center, travel service, copy service and Centre Gallery, a student directed art exhibition space.

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 and Good Stuff, Etc. on the first level and Rocky's Empty Keg in the lower level. Francesco's restaurant is located on the fourth floor. 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 Rocky's Empty Keg, The games and arcade area, Centre Studios, Bike Shop, vending machines, SAFE Team/SoberRide Offices and CYbor City. The Game Room area has billiard tables, video, computer, and pinball games, foosball, table tennis, chess, checkers, and card tables. Marshall Games also coordinates tournaments. Centre Studios is available to students and non-students with classes offered in ceramics, photography, silkscreening and more. The Bike Shop, located on the lower level west end, provides bicycle repair, supplies, parts and accessories.

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

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

## Special Events Center

The Special Events Center adds a special 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

Student Government (SG) is made up of three branches: the Executive (President, Vice President, Cabinet officers and agencies), Legislative (Student Senate) and Judiciary (Student Supreme Court) in which membership is open to any registered student. Student-wide elections occur in April each year. Student Government represents all student interests in programs, plans, policies, and procedures of the University and secures student representation to University governance. The SG office oversees the Activity and Service Fee Fund, which is allocated to student organizations and supports several services which SG offers. SG's agencies include SAFE Team, Computer Services, Soberride, Student Information Services, and the Homecoming Steering committee. Student Government will assist students with any type of grievance by acting as a liaison between students and University administration. To find out more information, please contact the Student Government Office in the University Center, room 203 or call 974-2401.

### Student Organizations

The Office of Student Activities, on the second floor of the Marshall Center, provides advising and activities for students to experience growth outside the classroom setting. This office is an outlet for students to learn emotionally, intellectually, and physically while participating within a group. Services are provided to more than 270 student organizations. Traditional USF activities such as Honors Week, Greek Week, and Student Organizations Showcase are coordinated through this office. The Student Organization Advisory Board (SOAB), an all-student committee, is made up of students representing the various organizations and serves as a resource to all organizations in regard to their programs, problems and general welfare. The Campus Activities Board (CAB) is a unique programming organization. Made up entirely of student volunteers, 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.

### Clubs and Other Organizations

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

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

### Academic

Academic organizations have grown and will continue to grow as the needs of students studying in each of the academic areas increases. These groups include Africana Studies Club, Anthropology Club, Association of Computing Machinery, Association of Library and Information Science Studies, Association of Marketing Students, Association of Medical Science Graduate Students, Association of Minority Communicators, Colloquia for Literature and Linguistics, Economics Club, Engineering Transition Society, Geography Club, Geology Club, Graduate Business Association, Marine and Life Science Consortium, Mathematical Association Student Chapter, Microbiology Club, Minority Organization of Students in Education, National Student Speech Language Association, Minority Organization of Students in Education, Phi Mu Alpha Sinfonia, Religious Studies Community Forum, Sigma Alpha Iota, Social Sciences Education Club, Student Council for Exceptional Children, Student Finance Association, and University Psychology Association.

### Councils

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

### Greek

There are currently 17 national fraternities and 12 national sororities on the Tampa campus. These organizations provide a variety of social, educational, service, and recreational programs for their members. Support for these programs is coordinated through the Interfraternity Council, Panhellenic Council, and Black Pan-Hellenic Council with the advice of faculty and staff members.

Membership is open to any student through a program called Rush. Rush serves as an introduction to Greek life, allowing students to meet members of fraternities and sororities in formal and informal settings. Interfraternity Council Rush is held the first week of school in both the Fall and Spring semesters. Black Pan-Hellenic rush varies among each chapter. Panhellenic holds formal Rush the week prior to Fall Semester.

The sororities include Alpha Delta Pi, Alpha Kappa Alpha, Alpha Omicron Pi, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Kappa Delta, Sigma Gamma Rho, Sigma Delta Tau, and Sigma Lambda Gamma.

The fraternities include Alpha Phi Alpha, Alpha Tau Omega, Beta Theta Pi, Chi Phi, Kappa Sigma, Lambda Chi Alpha, Phi Delta Theta, Pi Kappa Alpha, Omega Psi Phi, Sigma Alpha Epsilon, Sigma Alpha Mu, Sigma Chi, Sigma Lambda Beta, Sigma Nu, Sigma Phi Epsilon, Sigma Tau Gamma, and Zeta Beta Tau.

The Greek recognition society is the National Order of Omega.

### Honor Societies

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

### International

International student organizations help meet the needs of international students and to increase the awareness of the University and the community about international students. International organizations include Association of Filipino Students, Caribbean Cultural Exchange, Chinese International Cultural Exchange, Chinese Student Union, Circulo Culturale Italiano, French Club, Friendship Association of Chinese Students and Scholars, German Club, Hellenic Student Association, International Festival Planning Committee, Korean Student Association, Latin American Student Association, Muslim Students Association, National Students Support Council for Africa, Odin Associates, Persian Cultural Society, Spic Macay, Students of India Association, Turkish Students Association, and Vietnamese Student Association.



**Political**

Organizations for political and social change include College Republicans, College Democrats, Conservative Society, and Youth for Gramm.

**Professional**

The professional societies at USF focus their groups on profession oriented needs and interests of students. They include Accountants National Black Association, Advertising Club, American Chemical Society, American College of Health Care Executives, American Criminal Justice Association, American Institute of Aeronautics and Astronautics, American Institute of Chemical Engineers, American Medical Association, American Medical Student Association, American Medical Womens Association/Women in Medicine, American Society of Civil Engineers, American Society of Mechanical Engineers, Association of Students for Public Administration, Black Graduate and Professional Student Organization, College Music Educators Conference, College of Nursing Student Council, Delta Sigma Pi, Family Practice Student Organization, Florida Engineering Society, Florida Medical Association, Graduate International Business Board, IEEE Computer Society, Institute of Electrical and Electronics Engineers, Institute of Industrial Engineers, Legal Brief, Mathematics Education Club, Management Information Systems Society, Minority Preprofessional and Sciences Society, Pi Mu Epsilon, Pre-Dental Society, Pre-Nursing Society, Semper Fi Society, Society for Technical Communications, Society of Professional Journalists, Society of Women Engineers, Special Libraries Association, Student Broadcasting Association, Student National Medical Association, and University Film and Video Association.

**Religious**

The University has encouraged student religious organizations to develop. Currently some of the religious groups are members of the Campus Ministry Association (CMA). The members of CMA include Baptist Campus Ministry, Episcopal Student Center, and Hillel Foundation Navigators. In addition to the Campus Ministries, there are diverse student religious organizations on campus. The religious organizations are: Alpha Omega, Association of Pagan Expression (APEX), Baha'i Club, Campus Advance for Christ, Campus Bible Fellowship, Catholic Student Union, Chi Alpha, Dynamis, Fellowship of Christian Students, Friends of Israel Gospel Ministry, International Fellowship, Intervarsity Christian Fellowship, Latter Day Saints Student Association, New Generation Campus Ministry, Pagan Allied Network, Students of Biblical Research, Winner's Circle, Young Israel Jewish Student Union, and Young Life Leadership.

**Service/Resource**

The many service/resource organizations at USF provide volunteer services and functions for the University and Tampa Bay area. The service/resource organizations offer aid and support to further enhance students' needs and special interests.

Service and resource organizations include Amnesty International Adoption Group, BACCHUS, Best Buddies, Big Brothers/Big Sisters, Campus Activities Board, Circle K International, Gold Council, Greeks Advocating Mature Management of Alcohol (GAMMA), H.O.P.E. Hispanic Organization Promoting Education, Paraprofessional Counseling Service, Peer Advisory Council, Project World Health, Student Government Comptroller, S.G. Computer Services, S.G. Election Rules Agency, S.G. Executive Board, S.G. Insurance, S.G. Senate, S.G. Supreme Court, S.G. Student Information Services, Student Organization Advisory Board, Students Taking An Active Role in Society, USF Ambassadors, and USF Colors.

**Special Interest**

Special-interest organizations cover a wide range of diverse activities. Those of the Tampa campus include Adventurer's Guild, AFROTC, Alpha Sigma Lambda, Bull Spirits, Campus Ecology, Classics Society, Club Creole, Comic Denominator, Gay/Lesbian/Bi-sexual Coalition, Florida Water Environment Association, Greek Week Committee, Groove Team, International Studies Organization, Meditation Society, USF, Minority Business Association, Model United Nations, NASW Sub Unit (National Association of Social Workers), Non Traditional Students, NOW (National Organization for Women), Rhythmic Motives, Student Admissions Representatives, Student Dance Production Board, Student Support Services Club, Students Organized Against Rape (SOAR), Students Taking An Active Role in Society, USF Gospel Choir, USF Middle Eastern Dance Association, USF Radio and Electronics Club, Vegetarian Dinner Club, Virtual Reality Exploration Society, WBUL, Student Radio, Wellness Committee, and Women's Studies Student Association.

**Sports and Recreation**

Sports and recreational organizations offer students the opportunity to enhance their physical well-being as well as their social lives. The Tampa campus has many organizations dedicated to leisure activities. Sports and recreational organizations include Aikido Club, Badminton Club, Barbender's Club, Baseline Bulls "Zoo Crew", Bicycle Club, Bicycle Racing Club, Bowling Club, Chito Ryu Karate, Crew Team, Ice Hockey Club, Karate Club, Lacrosse Club, Rugby Football Club, Sailing and Windsurfing Club, Scuba Club, Surf Club, Table Tennis Club, Ultimate Frisbee Club, USF Men's Volleyball, Wado Kai Karate/Taijutsu Club, Water Ski Club, and Women's Rugby.

**Campus Recreation**

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, gymnasium, 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 new 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 new 4-wall courts.

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

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

The sports clubs program supports student-organized groups ranging from aerobics to yoga. The sports clubs provide for instruction, recreation, and competition in various sports activities.

Injuries occurring in any of the Campus Recreation programs are not covered by the University or the Campus Recreation Office.



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

### Student Publications

The University has encouraged a program of campus communication through two publications. These publications are all-University in approach and coverage. They are staffed by students under the general supervision of the Office of Student Publications.

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

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.

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.

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.

### Grievance Procedure

In order to assure students the right to redress of grievances, the Office of Student Relations is responsible for a grievance procedure involving non-academic matters. Any student may file a question, complaint, or statement of grievance in the Office of Student Relations, in person or in writing. A course of action or other answer will be given by the Associate Dean for Student Relations, as soon as possible. For academic grievances, the student should see the college dean in which the cause for the grievance occurred.

## OTHER STUDENT SERVICES

### Intercollegiate Athletics

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

The school became a charter member of ConferenceUSA in 1995.

The athletic facilities at USF are also second to none. The Sun Dome, opened for the 1980-81 basketball season, is undoubtedly one of the most unique and dynamic multipurpose facilities in the Southeast. Lighted stadiums for the school's softball, baseball, soccer, and track team provides pleasant conditions for both the athletes and the spectators. The school also has an 18-hole championship golf course, and varsity tennis courts.

### University Bookstores

The on campus bookstores are owned and operated by the University of South Florida and are a self-supporting auxiliary. The primary function is to extend services to the students, faculty and staff of the university as well as alumni and visitors. The University Bookstore and Office Stores are the major stores on the Tampa Campus. A Health Sciences Bookstore (MDC 1021) is located in the USF Medical Center Complex and the St. Petersburg Campus Bookstore (Coquina Hall 101) services the Bayboro Campus, VISA and MasterCard are accepted at all stores. The USFCard may also be used for purchases in the Tampa Campus store. Visit our Web site at <http://www.bookstore.usf.edu>.

**University Bookstore** - The new USF Bookstore is located on Martin Luther King Plaza between the Marshall Center and the Student Services Building. This facility offers a wide variety of merchandise, including: all course-required supplies and textbooks for students in all colleges; a complete selection of writing instruments, paper, binders, and other supplies; calculators; the most recent fashions in college clothing; class rings; imprinted souvenirs and gifts; and, novelty items. Macintosh and IBM computers as well as the most popular software applications are available at greatly reduced educational pricing available only to USF students, faculty and staff members. In addition, an all new Music Department stocks the latest CDs.

The Textbook Department offers new and used textbooks, study guides and workbooks and reference books. Personnel are available to assist finding and/or ordering course texts. A continuous Buyback program offers a source for the selling of used textbooks.

The General Book Department features study aids, technical and professional books, test preparation guides, and the latest in trade books, "Books in Print" CD-ROM is utilized for ordering special titles. Sale books and gift items are also regularly stocked.

The USF Bookstore is open Monday through Thursday from 8:00 a.m. to 7:00 p.m., Friday from 8:00 a.m. to 5:00 p.m., and Saturday from 10:00 a.m. to 4:00 p.m. During the beginning of each term, the store has extended hours and additional registers open to provide the fastest service possible. Ample parking is available in the Crescent Hill Parking Facility.

**Health Sciences Bookstore** - Located in the Medical Center (MDC 1021), the Health Sciences Bookstore offers medical textbooks. Supply items, greeting cards, clothing, candy and other items are also provided. The Health Sciences Bookstore is open Monday through Friday from 8:00 a.m. to 4:55 p.m.

**St. Petersburg Bookstore** - The USF Bookstore at the St. Petersburg campus is located in Coquina Hall 101 and offers textbooks for St. Petersburg classes, general books, clothing, school supplies and a variety of general merchandise items. Store hours are from 9:00 a.m. to 6:00 p.m. Monday through Thursday and Friday from 9:00 a.m. to 5:00 p.m.

### Campus Dining Services

Dining Services at the University of South Florida is provided by the Marriott Corporation. Marriott is the leader in the industry, providing services at over 450 colleges and universities around the country. Here at USF, we offer a tremendous variety of dining options to meet the needs of today's busy student.

For the resident student living on campus, there are six different *Meal Plans*; each designed to meet specific dining needs. All of our plans provide value, convenience, variety, flexibility and, of course, great tasting food.

For students living off campus, we offer a number of wonderful dining options. Our campus restaurants proudly feature Subway, Taco Bell, Pizza Hut, Firehouse Grill, Sub Connection, Manhattan Bagels, Frëshens yogurt and Weight Watchers entrees, to name a few. For the health conscious, we provide a complete line of specialty salads, fresh fruit, yogurt and more. All dining locations feature a selection of beverages, fresh brewed coffee and tasty snacks.

Looking for fine dining; try Francesco's located on the top floor of the Phyllis P. Marshall Center. Savor a delicious Italian meal while enjoying the view.

All of our campus restaurants are open for your convenience. When taking a break between classes, there is no better place to meet, socialize and eat great food. We invite you to give us a try.

For more information or to purchase a meal plan, stop by the Dining Services office located in the Argos Center. Or call us at 974-4385. From outside Tampa, call us toll free - (800) 775-MEAL (6325).

### USFCard

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

# ACADEMIC POLICIES AND PROCEDURES

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

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

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

## Academic Regulations and Information

### Semester System

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

### Academic Load

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

### FULL-TIME UNDERGRADUATE STUDENT DEFINITION FOR SUMMER TERM

Sessions "A" & "B" (6 weeks)

For: Academic purposes

For: Financial aid

6 hours or more each session  
Students must enroll for 12 hours (undergraduate) in any combination of Sessions "A," "B" and "C."

Session "C" (10 weeks)

For: Academic purposes

For: Financial aid

9 hours or more  
Students must enroll for 12 hours (undergraduate) in any combination of Sessions "A," "B" and "C."

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

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

### Availability of Courses

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

### Transfer of Credit To USF

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

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

### Former Student Returning

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

### Continuously Enrolled Degree-Seeking Student

The Office of Admissions will determine the acceptability of transfer credits taken at regionally-accredited institutions while enrolled at USF as a continuing, degree-seeking student. 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 in person or by telephone. 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:** Prior to registration for classes which meet on campus, all students who will be less than 40 years of age at the beginning of the term 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 of measles. (See Immunization Policy.)

### Academic Advising for Admitted Undergraduate Students

USF seeks to provide all students with sufficient guidance and advice to select programs and courses best suited to their personal abilities, educational interests, and career objectives. For students who have been admitted to the University, an academic advising office is maintained in each of the six colleges offering baccalaureate degrees as well as in the Center for Academic Advising. This latter office serves also 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. 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 section of the catalog for advising and admission requirements. Students planning to enter a limited access program should be aware that their admission by the college may be denied or delayed and should be prepared with alternative plans of action.

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 for advising. 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. A student must declare a major no later than the end of the junior year (90 semester hours).

It is necessary that all students determine their appropriate college and attend the appropriate 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 which assists 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.

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 which may affect them. In fact, some colleges require advisor approval of student programs each semester.

While the University provides advising services to assist students with academic planning, the responsibility for seeing that all graduation requirements are met rests with the student.

### 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), Programs for Adult Credit Education Program (PACE), Open University (TV), FEEDS Program, Off-Campus Term (OCT), Cooperative Education Training, and courses that do not have regularly scheduled meeting days/times (such as, directed reading, or study, individual research, thesis, dissertation, internship, practicums, etc.). **Students are responsible for dropping undesired courses in these categories by the 5th day of classes to avoid fee liability and academic penalty.**

### Adds

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

### Drops

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

Effective Fall, 1986 a student may also drop a course(s) between the second and ninth week of the semester (except for Summer Sessions see **Schedule of Classes** for dates), with the following limitations: From 0-59 cumulative semester hours (classification "1" and "2") the student is limited to three drops; from 60 cumulative semester hours (classification "3" and "4") to end of the undergraduate degree a student is limited to three drops. Students classified as "5" are limited to three drops. Non-degree seeking students (special students) are treated as lower-level undergraduate students and are limited to only three drops while they are classified as either non-degree or degree-seeking lower-level students. [Regardless of student classification, courses at the 5000 level or above are not counted as part of this drop limitation policy.] Additional drops above these numbers will result in an automatic "F" ("U") grade. Registration fees must be paid for all course(s) after the first week, and the academic record will reflect a "W" grade for the dropped course(s) that are within the limitations of this policy. Courses dropped after the nine week deadline (see Academic Calendar for date) will result in an automatic "F" grade. Students may not continue to attend classes once they are dropped.

Appeals for additional drops will be made to the Academic Regulations Committee representative in the appropriate college or Undergraduate Studies. Further appeal is to the Academic Regulations Committee.

**Total withdrawals from the University are not counted as part of the drop limitation policy.**

### Auditing Privilege

A student who wishes to sit in on a class to review the course material may do so; however, the student is not allowed to take exams nor will any grades or credit be given. The student's status for that class is an *audit* and his/her presence in the classroom is as a listener. A student must register to audit courses during the late registration period. (No audit registrations are processed during the regular registration periods.) Fees for audit are the same as for full enrollment for credit except out-of-state tuition is not charged. See University **Schedule of Classes** for detailed instructions and dates.

### Cancellation Before First Class Day

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

### Withdrawal

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

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

### Transcript Information

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

Letter requests must include: (1) date of request and student's current address; (2) student ID number and full name; (3) name and complete address of recipient; and (4) number of copies needed and the student's signature. 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** (check or money order only) and Request Form or letter to:

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

To order 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  
Ft. Myers - Annex  
Sarasota - Lobby, Building D  
Lakeland (Drop Box) - Bldg. E, Rm. 2127

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

### College Level Academic Skills Test

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

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

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

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

If one or more subtests of the CLAST have not been passed by the time a student has reached 70 semester hours, the student may not register for classes until he/she has scheduled to take a remedial course or workshop covering the content of the failed subtest and has registered for CLAST. A student is required to participate in remediation for only one failed subtest per term. Classes may be withdrawn for failure to attend the scheduled remediation.

If the student has completed 96 semester hours and has not passed all four subtests, he/she will be allowed to register only for *preparatory courses* until he/she has successfully completed CLAST.

Please Note: Several options for meeting the CLAST requirement are available. Refer to the Office of Evaluation and Testing, SVC 2054, for the current policies on CLAST.

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

Prior to receiving an Associate of Arts degree from a public community college or university or a Bachelor's degree from a public university, a student shall complete successfully the following: 1. Twelve semester hours of English courses in which a student is required to demonstrate writing skills. For the purpose of this rule, an English course is defined as any semester-length course within the general study area of the humanities in which the student is required to produce written work of at least 6000 words. 2. Six semester hours of mathematics coursework at the level of college algebra or above. For the purpose of this rule, applied logic, statistics, and other such computation coursework, which may not be placed within a mathematics department, may be used to fulfill 3 hours of the 6 hours required by this section. In order to receive credit for fulfillment of 6A-10.030, students must receive a grade of "C" or higher in each course (no "S" grades).

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

#### Communication (12 semester hours)

REFIX/NUMBER	TITLE	CREDIT HOURS
AFA 2000	Introduction to the Black Experience in Africa and Its Diaspora	3
AFA 4150	Africa and the United States	3
AFA 4335	Black Women in America	3
AFS 2250	Culture and Society in Africa	3
AMH 3510	U.S. Diplomatic History to 1898	4
AML 3604	African-American Literature	3
AMS 3001	American Culture 1880-1915	4
AMS 3260	American Culture 1830-1860	4
AMS 3370	Southern Women: Myth and Reality	3
ANT 4172	Historical Archaeology	3
ANT 4226	Anthropology of Art	3
ANT 4231	Folklore	3
ANT 4241	Magic and Religion	3
ANT 4340	The Caribbean	3
ANT 4432	The Individual and Culture	3
ANT 4620	Language and Culture	3
ANT 4750	Language and Social Interaction	3
ANT 4935	Rethinking Anthropology	3
ARC 4784	The City	3
ARH 3001	Introduction to Art	4
ARH 4710	History of Photography	4
ARH 4796	Critical Studies in Art History	4
CCJ 4934	Seminar in Criminology	3
CES 4000	Structures and Urban Environment for Non-Engineers	3
CGN 4122	Engineering Contracts, Specifications and Ethics	3
CHM 4070	Historical Perspectives in Chemistry	3
CIS 4250	Ethical Issues and Professional Conduct	3
CLT 3101	Greek Literature in Translation	3



CLT 3102	Roman Literature in Translation	3	REL 2500	History of Christianity	4
COM 4015	Writing Lives	3	REL 3111	The Religious Quest In Contemporary Films	4
COM 4027	Communicating Illness, Grief, and Loss	3	REL 3114	Comedy, Tragedy and Religion	3
COM 4030	Women and Communication	3	REL 3145	Women and Religion	3
CRW 2100	Narration and Description	3	REL 3150	Religion and the Meaning of Life	3
CRW 3111	Form and Technique of Fiction	3	REL 3155	Life After Death	3
CRW 3112	Fiction I	3	REL 3170	Religion, Ethics and Society Through Film	4
CRW 3121	Fiction II	3	REL 3362	Introduction to Islam	3
DAN 2100	Introduction to Dance	3	REL 3367	Islam in the Modern World	3
DAN 4111	Survey History of Dance	3	REL 3465	Religion and the Meaning of Life	3
EDF 3228	Human Behavior & Environmental Selection	4	REL 3561	Roman Catholicism	3
EEC 4008	Literature in Early Childhood Education	3	REL 3600	Introduction to Judaism	3
EEX 4015	Narrative Perspectives on Exceptionality: Cultural and Ethical Issues	3	REL 3602	Classics of Judaism	3
ENC 1101	Freshman English I	3	REL 3613	Modern Judaism	3
ENC 1102	Freshman English II	3	REL 4113	The Hero and Religion	4
ENC 1121	Freshman English I: Honors	3	REL 4171	Contemporary Christian Ethics	3
ENC 1122	Freshman English II: Honors	3	REL 4221	Who Wrote the Bible (Genesis-Kings)	4
ENC 2210	Technical Writing	3	REL 4670	Judaism and Christianity After the Holocaust	4
ENC 3213	Professional Writing	3	RUS 3500	Russian Civilization	3
ENC 3310	Expository Writing	3	RUT 3110	Russian Classics in English	3
EVT 4651	Equity in Schools and the Workplace	3	RUT 3111	Twentieth-Century Russian Literature in English	3
FIL 2001	Film: Language of Vision	4	SCE 4237	Science, Technology and Society Interactions	5
FIL 3510	World Cinema	4	SPC 4305	Communicating Emotions	3
GEA 3405	Geography of Latin America	4	SYA 3310	Qualitative Inquiry	3
GEA 3500	Geography of Europe	4	THE 3090C	Modern Theatre Practice	4
GEO 4372	Global Conservation	4	THE 4180	Theatre Origins	4
GEY 3625	Sociocultural Aspects of Aging	3	THE 4320	Theatre of Myth & Ritual/Northern European & Oriental	3
HUM 4931	Seminar in Humanities	4	THE 4330	Shakespeare for the Theatre 3	3
IDS 3115	Values and Choices	3	THE 4360	The 19th Century Theatre Revolution	3
IDS 3663	Critical Issues Affecting the Arts	3	THE 4401	O'Neill and After	3
LAE 4414	Literature in Childhood Education	3	THE 4435	Theatre of Pluralism	3
LAE 4464	Adolescent Literature for Middle & Secondary Students	3	THE 4442	The Comedy of the Classic and Neoclassic Stage	3
LIN 3801	Language and Meaning	3	THE 4562	Contemporary Performance Theatre	4
LIT 2000	Introduction to Literature	3	WST 3210	Women in Western Civilization I	3
LIT 2010	Introduction to Fiction	3	WST 4260	Research Issues on Women of Color	3
LIT 2030	Introduction to Poetry	3	WST 4262	Literature by American Women of Color	3
LIT 2040	Introduction to Drama	3	WST 4263	Third World Women Writers	3
LIT 3073	Contemporary Literature	3	WST 4310	Feminism in America	3
LIT 3101	Literature of Western World - Ren.	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.		
LIT 3102	Literature of Western World - Since Ren.	3	<b>Computation (6 semester hours)</b>		
LIT 3103	Great Literature of the World	3	At least 6 hours must be at the level of college algebra or above, with at least 3 hours from the Mathematics Department. Any course offered by the Mathematics Department may be used. Three hours may be taken from outside the Mathematics Department but must be taken from the following list of courses.		
LIT 3301	Cultural Studies and the Popular Arts	3	<b>Course Number and Title</b>		
LIT 3451	Literature and the Occult	3	<b>Semester Hours</b>		
LIT 4386	British and American Literature by Women	3	CGS 2060	Introduction to Computers and Programming in Basic	3
MHF 4403	The Early History of Mathematics	3	PHI 2100	Introduction to Formal Logic	3
MUL 2111	Introduction to Music Literature	3	QMB 2100	Business and Economics Statistics I	3
NUR 4194	An Interdisciplinary Perspective on HIV	3	STA 2023	Introduction to Statistics	4
PHH 2000	Introduction to Philosophy	3	STA 2122	Social Sciences Statistics	3
PHH 4600	Contemporary Philosophy	3	For students under the General Distribution Requirements, CGS 2000 Computers in Business I (3 semester hours) may also count toward fulfilling the computation requirement but will not count toward Area III.		
PHH 4700	American Philosophy	3	CLEP general/subject examinations in mathematics, calculus, college algebra, college algebra-trigonometry, and trigonometry may satisfy this requirement.		
PHI 3700	Philosophy of Religion	3	<b>Grades, Scholarship Requirements, and Review Procedures</b>		
PHI 4300	Theory of Knowledge	3	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		
PHI 4320	Philosophy of Mind	3			
PHI 4800	Aesthetics	3			
PHM 3100	Social Philosophy	3			
PHM 4322	Ancient and Medieval Political 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	Empiricism	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	3			



enacted a system of grading and policies of Academic Probation and Academic Dismissal which 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

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

- A Superior performance
- B Excellent performance
- C Average performance
- D Below average performance, but passing
- F Failure
- 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
- R Repeated course
- S Satisfactory
- T Course repeated, not included in GPA
- U Unsatisfactory
- W Withdrawal from course without penalty
- Z Indicates continuing registration.

### Grade Point Average

The University has a four-point system of grading used in computing grade point averages (A = 4 quality points, B = 3, C = 2, D = 1, F = 0). The grade-point average (GPA) is computed by dividing the total number of quality points by the total hours attempted at USF. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. Credit hours for courses with grades of I, IU, M, MU, N, S, U, W, Z, and grades which are preceded by a "T" are subtracted from the total hours attempted before the GPA is calculated.

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

### "I" Grade Policy

An "I" grade indicates incomplete coursework and may be awarded to graduate and undergraduate students. (Undergraduate rules apply to non-degree-seeking students.) It may be awarded to an undergraduate student only when a small portion of the student's work is incomplete and only when the student is otherwise earning a passing grade. Until removed, the "I" is not computed in the GPA for either undergraduate or graduate students. The time limit for removing the "I" is to be set by the instructor of the course. For undergraduate students, this

time limit may not exceed two academic semesters, whether or not the student is in residence, and/or graduation, whichever comes first. "I" grades not removed by the end of the time limit will be changed to "IF" or "IU," whichever is appropriate. Whether or not the student is in residence, any change to "IF" grades will be calculated in the cumulative GPA and, if applicable, the student will be placed on appropriate probation or academically dismissed. **Students are not required to re-register for courses in which they are only completing previous course requirements to change an "I" grade.** However, if a student wants to audit a course for review in order to complete course requirements, full fees must be paid.

### "M" Grade Policy

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

### S/U Grade System

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

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

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

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

1. A written agreement signed by both instructor and student shall be filed with such offices as may be designated by the college. The college shall set the deadline (no later than the last day of classes for the term) for the student to decide if he/she wishes to take the course on an S/U basis.
2. The instructor shall assign final letter grades A, B, C, D, F, or I, but will transmit to the Registrar "S" or "U" consistent with the following:
  - a. Letter grade, A, B, or C, shall be equivalent to a letter grade of "S."
  - b. Letter grades D or F shall be equivalent to a letter grade of "U." "S" and "U" grades are not computed in the student's GPA.

**Grade Forgiveness Policy**

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

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

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

**NOTE:** This policy is under revision. Students should check with the academic advising office in their college, the Center for Academic Advising for undeclared majors, or the Office of the Dean of Undergraduate Studies for the latest information regarding Academic Probation and Academic Dismissal.

The first time the academic record of an undergraduate or non-degree-seeking student falls below a cumulative 2.0 grade point average (GPA) (USF grades only) after any term, he/she will be placed on Academic Probation (AP) (see notes below). If the cumulative USF GPA is not raised to 2.0 or higher at the end of the next semester of attendance, that student will be automatically dismissed for one semester (TAD). No petition will be required in order for the student to return to school after one semester out, but in order to be processed for registration, the student must have the approval of an academic program representative, college coordinator of advising, or the

designee. A student may utilize the temporary academic dismissal (TAD) policy only once. Upon returning to school, a student has two terms to raise the cumulative USF GPA up to 2.0 but must make at least a 2.0 GPA the first term after returning. A student academically dismissed a second time is permanently dismissed from the University (PAD).

**NOTE:**

1. Students admitted on probationary status must accumulate 30 semester credits and maintain a minimum cumulative 2.0 GPA each term enrolled with no single term GPA below a 1.0 GPA before the probationary status is removed. Advising is mandatory prior to registration. Undergraduate Education shall monitor credentials of students in this status and assist advisors with appropriate information when needed. Not meeting these conditions would result in the student's being permanently dismissed from the University.
2. Any undergraduate or non-degree-seeking student whose cumulative GPA falls below 1.0 after completing an accumulated twelve or more USF semester-graded (A-F) hours will be permanently dismissed for academic reasons at the end of the semester in which it occurs. Students are strongly encouraged to confer with their academic advisors to explore ways of improving academic performance.

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

Any student who receives only "I," "S," or "U" grades while on Academic Probation will be Academically Dismissed. Exception: Any student who is on work training or Cooperative Education will not have his/her academic status changed providing he/she is not enrolled in any academic course that term.

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 falls below a 2.0 GPA and subsequently achieves an A.A. degree or an articulated A.S. degree from a Florida public community/junior college (or other SUS institution), that student, when returning to the University, will be automatically credited with a maximum of 60 semester hours and have his/her academic record cleared and the USF GPA will begin again. Once a student has had his/her record cleared in this manner, the Temporary Academic Dismissal (TAD) category does not apply.

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

- a. Request that his/her academic record be cleared. If the student chooses this option, the Academic Regulations Committee will approve the salvage and the student will be credited with a maximum of 60 semester hours and the USF GPA will begin again. Once a student has had his/her record cleared in this manner, the Temporary Academic Dismissal (TAD) category does not apply; or
- b. Request that the USF hours and GPA be retained and receive specific stipulations from the Academic Regulations Committee to clear the academic record.

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

If a student is academically dismissed or falls below a 2.0 GPA from USF and subsequently receives a BA/BS from



another four-year institution, that student, when accepted to the University with the post-baccalaureate status, will have his/her academic record cleared.

If a student has earned credit at USF and has a 2.0 or better GPA at USF and subsequently receives an A.A. from a Community College, the posting of the AA shall not remove the previous GPA generated at USF.

### Academic Amnesty

Effective Fall Semester, 1995, USF offers academic amnesty to undergraduate students who have been engaged in non-academic activities for at least five calendar years since last attending the University of South Florida or another regionally accredited four-year college or university. Students must be otherwise admissible and follow the regular application process through the Office of Admissions with a written request to be considered for Academic Amnesty. Please see the requirements for transfer and lower level admissions. Those students who will have fewer than 60 hours following amnesty provisions must satisfy lower level transfer requirements based on official high school transcripts, standardized tests scores, etc.

Students must follow the regular application process through the Office of Admissions with a written request to be considered for Academic Amnesty. If readmitted, students will begin a new grade point average; however, credit for previous USF courses, or courses accepted for transfer credit, in which a grade of "C" or better was earned may be applied toward a degree, subject to determination by the college of the student's major. All prior courses attempted and grades received will remain on the student's official academic record and transcript. Students may not petition for any retroactive change to their academic records.

Students admitted under academic amnesty who do not enroll must reapply for any future term. To be admitted to a limited access program, students who have received academic amnesty must meet the admission criteria for that program.

### College Policies For Academic Progress

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

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

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

### Class Standing

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

- 0C Unclassified 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
- 6D Graduate student admitted to a Doctoral Degree Program
- 7A Professional Program (M.D.) or Post-Doctoral Status

### Admission to a College

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

### Change of Major

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

### Administrative Holds

A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier's Office.

Each student placed on administrative hold should determine from the Office of the Registrar which office placed him/her in this status and clear the obligation with that respective office.

### Student Information Changes

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

### Final Examinations

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

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

The instructor has the responsibility of maintaining a fair and impartial testing and examination procedure, has the right to define and structure the testing process, and shall not be restricted as to form, style or content of the examination. It is the policy of USF that all students facing an examination (of any type) shall have equal advance notice of the form and content of 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. Take-home final examinations, papers, projects, partiums, and competency examinations are exceptions to the above rule and may be scheduled for completion at any time at the discretion of the instructor. The period of two hours shall be allotted for each final examination. If a student has a direct conflict of scheduled examinations or has three or more examinations scheduled on the same day, the student may petition the appropriate instructor to reschedule one of the student's examinations. The final examination schedule shall be published in the same manner and place as the **Schedule of Classes**.



### Honors Convocation

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

To be eligible to participate in the Fall 1998 Honors Convocation, an undergraduate student must (1) have been enrolled during Fall 1997, Spring 1998, or Summer 1998; (2) have completed at least 24 USF graded (A-F) hours during the 1997/98 academic year; (3) have at least a 3.500 USF GPA for those minimum 24 hours; (4) have no incomplete ("I") grades; and (5) be in the top 10% of the qualified students for the college in which the student is enrolled at the end of Summer 1998 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.

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

### Student Academic Grievance Procedures

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

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

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

### Academic Dishonesty And Disruption Of Academic Process

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

be punishable, according to the seriousness of the offense, in conformity with this rule.

### Plagiarism

Plagiarism is defined as "literary theft" and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. On written papers for which the student employs information gathered from books, articles, 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.

- Examples of proper citation (footnote format) are as follows:
  - "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Direct quotation] 'Harry Shaw, *Concise Dictionary of Literary Terms* (McGraw-Hill, 1972), pp. 209-210.
  - As Harry Shaw states in his *Concise Dictionary of Literary Terms*, "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Direct quotation with an introductory statement citing the source.] '(McGraw-Hill, 1972), pp. 209-210.
  - Plagiarism is literary theft. To emphasize that point, Harry Shaw states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing] '*Concise Dictionary of Literary Terms* (McGraw-Hill, 1972), pp. 209-210.
- Examples of proper citation (in body of text):
  - 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.]
  - 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.]
- The following are examples of plagiarism because sources are not cited and appropriate quotation marks are not used:
  - Plagiarism, from a Latin word meaning "kidnapping," ranges from inept paraphrasing to outright theft.
  - Plagiarism comes from a Latin word meaning "kidnapping" and ranges from paraphrasing to theft.
  - Plagiarism ranges from inept paraphrasing to outright theft. [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.]

### Punishment Guidelines:

The student who submitted the subject paper, lab report, etc...shall receive an "F" with a numerical value of zero on the item submitted, and the "F" shall be used to determine the final course grade. It is the option of the instructor to fail the student in the course.

### Cheating

Cheating is defined as follows: (a) the unauthorized granting or receiving of aid during the prescribed period of a course-graded exercise: students may not consult written materials such as notes or books, may not look at the paper of another student, nor consult orally with any other student taking the same test; (b) asking another person to take an examination in his/her place; (c) taking an examination for or in place of another student; (d) stealing visual concepts, such as drawings, sketches, diagrams, musical programs and scores, graphs, maps, etc., and presenting them as one's own; (e) stealing, borrowing, buying, or disseminating tests, answer keys or other

examination material except as officially authorized, research papers, creative papers, speeches, etc. (f) Stealing or copying of computer programs and presenting them as one's own. Such stealing includes the use of another student's program, as obtained from the magnetic media or interactive terminals or from cards, print-out paper, etc.

#### **PUNISHMENT GUIDELINES FOR ACADEMIC DISHONESTY:**

- Punishments for academic dishonesty will depend on the seriousness of the offense and may include receipt of an "F" or "Zero" on the subject paper, lab report, etc., an "F" in the course, suspension or expulsion from the University. The University drop and forgiveness policies shall be revoked for a student accused of academic dishonesty. The internal transcript of a student who is awarded an "F" for academic dishonesty will read "FF."
- 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.
  - 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.
  - 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.
  - For stealing, borrowing, or buying of research papers, creative works, speeches or tests and other exam materials, or the dissemination of such materials, or the manipulation of recorded grades in a grade book or other class records, the student, if enrolled in the course, may receive an "F" in the course and may be expelled from the University.
  - It is suggested that students who receive or give stolen computer programs receive an "F" with a numerical value of zero on the program or programs, and the "F" be used to determine the final course grade. It is the option of the instructor to fail the student in the course.

#### **Disruption of Academic Process**

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

#### **PUNISHMENT GUIDELINES FOR DISRUPTION OF ACADEMIC PROCESS:**

Punishments for disruption of academic process will depend on the seriousness of the disruption and will range from a private verbal reprimand to dismissal from class with a final grade of "W," if the student is passing the course, shown on the student record. If the student is not passing, a grade of "F" will be shown on the student record.

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

Alleged violations of academic dishonesty or alleged disruptions of academic process will be handled initially by the instructor, who will discuss the incident with the student. It must be noted that the Faculty Senate considers the traditional relationship between student and faculty member as the primary means of settling disputes that may arise. If the

instructor observes the alleged dishonesty occurring during an examination, he/she should, with discretion, notify the student of the fact before the student leaves the examination. In all cases, the instructor must attempt to schedule a meeting with the student to discuss the alleged dishonesty or disruptions.

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

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

#### **Hearings**

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

#### **Non-Emergency Hearing before the Academic Committee**

##### **General Principles**

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

**Record.** The proceedings of all hearings shall be recorded.

**Inspection of Evidence.** The student may inspect the evidence which will be presented against him/her.

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

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

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

**Advisor.** The student may have an advisor of his/her choice present; however, the role of such a person is as an advisor to the student only. The advisor may speak to and consult with the student but may not serve as the student's advocate, question witnesses or otherwise participate in the proceedings.

**Decision Based on Evidence.** The decision of the academic committee or appointed academic administrator shall be based solely on the evidence presented at the hearing.

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

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



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

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

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

## Liberal Arts Requirements

Beginning in the Summer, 1994, the General Education Requirements were replaced with the Liberal Arts Requirements. All new students and Former Students Returning are required to take 45 semester hours to satisfy the complete liberal arts requirements. Thirty-six (36) semester hours will satisfy the general education course requirements and 9 semester hours will satisfy the exit requirements. These requirements are distributed as follows:

General Education Requirements*	Semester Hours
English Composition	6
Quantitative Methods	6
Natural Sciences	6
Social Sciences	6
Historical Perspectives	6
Fine Arts	3
African, Latin American, Middle Eastern or Asian Perspectives	3
	36

## 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.

Courses in the liberal arts requirements should incorporate the following components whenever they are relevant to the specific discipline: the learning skills of conceptual thinking, analytical thinking, creative thinking, written expression, oral expression, and the dimensions of values and ethics, international perspectives, environmental perspectives, race and ethnicity, and gender. When warranted by the subject matter, each course must incorporate consideration of at least one of the dimensions and one of the thinking skills to meet the liberal arts requirements.

Departments should ensure that courses proposed for the liberal arts have sufficient depth and breadth. These courses will share the substantive rigor and intellectual challenge of courses offered for major credit, with the specific feature of offering an integrative perspective of the discipline and its relationship to academia as a whole. Additionally, such courses will encourage majors to interact with students from other disciplinary backgrounds.

Whenever possible, courses will encourage creativity and discipline in the written and oral uses of language. The writing experience for students will emphasize the qualitative aspects of developing writing skills. Writing requirements will entail substantive feedback for students rather than merely the correction of spelling and punctuation. The goal is to include a writing component in all appropriate liberal arts course requirements, even if this component is not equivalent to the Gordon Rule requirement. Courses will also encourage the development of oral expression skills. Students should be given opportunities to improve the ability to express ideas orally, and to listen and comprehend with the ear and eye attuned to both verbal and non-verbal forms of communication. Oral skills can be enhanced by employing active learning techniques such as

student presentations, instructor-student dialogues, debates, and discussion groups.

It is essential that the information about the dimensions of values and ethics, international perspectives, environmental perspectives, race and ethnicity, and gender be integrated, whenever possible, throughout courses included in the new requirements, rather than provided as a separate set of lectures or activities. While a particular course may emphasize only one or two of these themes, the liberal arts requirement in its entirety will have a significant portion of its course content devoted to these dimensions. This requirement may necessitate a revision of the ways in which many courses are taught. The University is committed to supporting faculty as they prepare to teach these new aspects of the curriculum. Opportunities for faculty workshops will be made available through the Center for Teaching Enhancement.

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.

In the major works and major issues courses, students will build upon the principles, concepts, and knowledge acquired in lower-division courses. The major works strengthen their knowledge of disciplines related to their majors or careers or to develop depth and/or breadth in areas of interest that are not necessarily related to their majors.

The literature and writing requirement is intended to provide an opportunity for students to continue their liberal arts education by allowing students to read significant literature of the world and write at least 6,000 words.

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

## GENERAL EDUCATION COURSE REQUIREMENTS (36 Semester Hours)

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

**Quantitative Methods:** Competence in a minimum of six (6) semester hours of approved mathematics coursework at the level of college algebra or higher is required. These courses should include both a practical component, providing students with an appreciation of how course content relates to their everyday experiences; and a historical component, providing students with an understanding of the application of the material to other disciplines. At least three (3) semester hours must be taken in a mathematics department. The remaining hours may be taken in any approved mathematics, statistics, or logic courses that include both a practical and historical component as previously described.

**Natural Sciences:** Students should successfully complete a minimum of six (6) semester hours of approved coursework in the natural sciences. Students are encouraged to enroll in courses with a laboratory component. It is a goal that all students have at least one science course with a laboratory;



however, facilities and personnel resources prohibit that requirement at this time. Courses may be interdisciplinary. The courses may deal with the content, theories, history, presuppositions, and methods of the discipline. They will include demonstrations and address problems, ambiguities, and different perspectives in the discipline. They will also provide students with an appreciation of how the discipline fits within the natural sciences and relates to their own lives and the broader human experience.

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

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

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

**African, Latin American, Middle Eastern, or Asian Perspectives:** Students will take a minimum of three (3) semester hours of approved coursework in one of the above listed geographical areas. Course content may include social, political, and economic as well as artistic, cultural, and intellectual subject matter. The material will be presented within a geographical, chronological, and/or humanities background and will necessarily be selective.

All courses listed are certified as meeting the General Education requirement as of April, 1997. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

## GENERAL EDUCATION REQUIREMENT

### ENGLISH COMPOSITION

ENC	1101	Freshman English I -6A
ENC	1102	Freshman English II -6A
ENC	1121	Freshman English I: Honors -6A
ENC	1122	Freshman English II: Honors -6A

### QUANTITATIVE METHODS

MAC	2102	College Algebra -6A
MAC	2132	College Algebra And Trigonometry -6A

MAC	2230	Business Calculus -6A
MAC	2233	Elementary Calculus I -6A
MAC	2234	Elementary Calculus II -6A
MAC	2281	Engineering Calculus I -6A
MAC	2282	Engineering Calculus II -6A
MAC	2311	Calculus I -6A
MAC	2312	Calculus II -6A
MGF	2202	Finite Mathematics -6A
PHI	2100	Introduction To Formal Logic -6A
QMB	2100	Economic And Business Statistics I -6A
STA	2022	Basic Statistics -6A
STA	2023	Introductory Statistics I -6A
STA	2122	Social Science Statistics -6A

### NATURAL SCIENCES

ANT	3511	Biological Anthropology
ANT	4583	Prehistoric Human Evolution
AST	2005	Astronomy of the Solar System
AST	2006	Stellar Astronomy and Cosmology
AST	3033	Contemporary Thinking in Astronomy
BMS	4402	Principles Of Human Pharmacology
BSC	1005	Biological Principles for Non-majors
BSC	2010	Biology I - Cellular Processes
BSC	2011	Biology II - Diversity
BSC	2022	Biology Of Aging
BSC	2025	Food: Personal And Global Perspectives
BSC	2030	Save the Planet: Environmental Sciences
BSC	2035	Sex And Today's World
BSC	2050	Environment
CHM	2040	Introductory General Chemistry
CHM	2041	General Chemistry I
CHM	2046	General Chemistry II
GEO	2371	Introduction To Earth Systems Science
GLY	2010	Dynamic Earth: Introduction To Physical Geology
GLY	2030	Environmental Geology
GLY	2040	Origins: From The Big Bang To The Ice Age
GLY	2100	History Of The Earth And Life
OCE	2001	Introduction To Oceanography
PHY	2020	Conceptual Physics
PHY	2038	Energy And Humanity

### SOCIAL SCIENCES

AFA	4150	Africa And The United States - 6A
AFS	3251	Environmental Cultural Study In Africa
AMS	2030	Introduction To American Studies
AMS	3601	Material Culture And American Society
AMS	3700	Racism In American Society
ANT	2000	Introduction To Anthropology
ANT	2410	Cultural Anthropology
ANT	3100	Archaeology
ANT	3610	Anthropological Linguistics
ASH	3404	Modern China
ASN	3012	Japan Today
ASN	3105	The Pacific Century
CCJ	3003	Crime And Justice In America
CCJ	3024	Survey Of The Criminal Justice System
CLP	3003	Psychology Of Adjustment
COM	2000	Introduction To Communication
CPO	3002	Introduction To Comparative Politics
CPO	4034	Politics Of The Developing Areas
CPO	4204	Government And Politics In Africa
DEP	3103	Child Psychology
ECO	1000	Basic Economics
ECO	2013	Economic Principles (Macroeconomics)
ECO	2023	Economic Principles (Microeconomics)
EUS	3000	Europe
EUS	3022	Russia
GEA	2005	Global Geography
GEB	2350	Doing Business Around The World
GEO	1930	Geography Of Current Events
GEY	3000	Introduction To Gerontology
GEY	3625	Sociocultural Aspects Of Aging

HSC 2100	Contemporary Health Science	HUM 3251	Studies In Culture: The Twentieth Century
INP 2101	Applied Psychology	LAH 2734	Latin American History In Film
INR 1015	World Perspective	LIT 2010	Introduction To Fiction -6A
INR 3038	International Wealth And Power	LIT 2030	Introduction To Poetry -6A
INR 3084	International Terrorism	LIT 2040	Introduction To Drama -6A
INR 4250	The Political Economy Of The Southern Nations	LIT 3155	20th Century Literature
INR 4403	International Law	MUL 2111	Introduction To Music Literature -6A
INR 4502	International Organizations	PHH 2000	Introduction To Philosophy -6A
PAD 3003	Introduction To Public Administration	PHP 3786	Existentialism -6A
PHI 1103	Critical Thinking	POS 2080	The American Political Tradition
PHI 3601	Contemporary Moral Issues	REL 2300	Introduction To World Religions -6A
PHI 3640	Environmental Ethics	REL 2306	Contemporary World Religions
PHI 3700	Philosophy Of Religion -6A	REL 2500	History Of Christianity -6A
POS 2080	The American Political Tradition	REL 3111	The Religious Quest In Contemporary Films -6A
PSY 2012	An Introduction To Contemporary Psychology	REL 3170	Religion, Ethics And Society Through Film -6A
PSY 3022	Contemporary Problems In Psychology	REL 3367	Islam In The Modern World -6A
PSY 3044	Experimental Psychology	REL 3600	Introduction To Judaism -6A
REL 3111	The Religious Quest In Contemporary Films -6A	REL 3700	Introduction To Islam -6A
REL 3170	Religion, Ethics And Society Through Film -6A	SPC 3230	Rhetorical Theory
REL 3600	Introduction To Judaism -6A	SPC 3631	Rhetoric Of The Sixties
SOP 3742	Psychology Of Women	WST 2309	The Female Experience In America
SOW 3203	American Social Welfare System	WST 3210	Women In Western Civilization I -6A
SPA 3002	Introduction To Disorders Of Speech And Language	WST 3220	Women In Western Civilizations II
SPC 2600	Public Speaking		
SPC 2541	Persuasion		
SPC 3301	Interpersonal Communication		
SPC 3712	Communication And Cultural Diversity		
SYG 2000	Introduction To Sociology		
SYG 2010	Contemporary Social Problems		
SYP 3000	Social Psychology		
WST 2380	Human Sexual Behavior		
WST 3010	Introduction To Women's Studies		
WST 3011	Issues In Feminism		
<b>HISTORICAL PERSPECTIVES</b>			
AFA 4150	Africa And The United States		
AFH 3100	African History To 1850		
AFH 3200	African History Since 1850		
AMH 2010	American History I		
AMH 2020	American History II		
AMH 3571	African American History To 1865		
AMH 3572	African American History Since 1865		
AMS 2030	Introduction To American Studies		
AMS 3001	American Culture 1880-1915 -6A		
AMS 3201	Colonial American Culture		
AMS 3210	Regions Of America		
AMS 3260	American Culture 1830-1860 -6A		
AMS 3370	Southern Women: Myth And Reality -6A		
AMS 3601	Material Culture And American Society		
AMS 3700	Racism In American Society		
ARH 2050	History Of Visual Arts I		
ARH 2051	History Of Visual Arts II		
ARH 3001	Introduction To Art -6A		
ASH 3404	Modern China		
ASN 3105	The Pacific Century		
CLA 3103	Greek Civilization		
CLA 3123	Roman Civilization		
CLT 3370	Classical Mythology		
EGN 2031	History Of Technology		
EUH 2011	Ancient History I		
EUH 2012	Ancient History II		
EUH 2021	Medieval History I		
EUH 2022	Medieval History II		
EUH 2030	Modern European History I		
EUH 2031	Modern European History II		
EUS 3022	Russia		
GEA 2005	Global Geography		
HUM 2211	Studies In Culture: The Classical Through Medieval Periods		
HUM 2243	Studies In Culture: The Renaissance Through The Twentieth Century		
		<b>FINEARTS</b>	
		AFS 3251	Environmental Cultural Study In Africa
		ARH 2050	History Of Visual Arts I
		ARH 2051	History Of Visual Arts II
		ARH 3001	Introduction To Art -6A
		ART 2201C	Fabrications
		FIL 2001	Film: Language Of Vision
		FIL 3510	World Cinema
		HUM 2024	The Arts
		IDS 3662	Arts Connections
		MUH 2051	Folk And Traditional Music Of World Cultures
		MUH 2632	Music In The United States
		MUH 3016	Survey Of Jazz
		MUL 2011	The Enjoyment Of Music
		MUL 2111	Introduction To Music Literature
		MUL 3001	Issues In Music
		MUL 3012	The Enjoyment Of Music
		<b>ALAMEA PERSPECTIVES</b>	
		AFA 2000	Introduction To The Black Experience In Africa And Its Diaspora -6A
		AFA 4150	Africa And The United States - 6A
		AFH 3100	African History To 1850
		AFH 3200	African History Since 1850
		AFS 2250	Culture And Society In Africa -6A
		AFS 3251	Environmental Cultural Study In Africa
		ANT 2000	Introduction To Anthropology
		ANT 2410	Cultural Anthropology
		ANT 3005	The Anthropological Perspective
		ASH 3404	Modern China
		ASN 3014	China Today
		ASN 3030	The Middle East
		ASN 3105	The Pacific Century
		CPO 4034	Politics Of The Developing Areas
		CPO 4204	Government And Politics In Africa
		EUS 3022	Russia
		GEA 2005	Global Geography
		GEY 3625	Sociocultural Aspects Of Aging
		HUM 3271	Eastern And Western Culture From Antiquity To 1400
		HUM 3273	Eastern And Western Culture Since 1400
		INR 1015	World Perspective
		INR 3084	International Terrorism
		INR 4250	The Political Economy Of The Southern Nations
		INR 4502	International Organizations
		LAH 2734	Latin American History In Film
		LAS 3116	Latin America Thru Film

MUH	2051	Folk And Traditional Music Of World Cultures
MUL	3001	Issues In Music
REL	3330	The Religions Of India
REL	3367	Islam In The Modern World -6A
REL	3600	Introduction To Judaism -6A
REL	3700	Introduction To Islam -6A
SPT	2524	Women Writers Of Latin America
SYD	3441	Peasant Perspectives
WST	3010	Introduction To Women's Studies

### EXIT REQUIREMENTS (9 Semester Hours)

**Major Works and Major Issues:** 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. At least one of the Major Works and Major Issues courses will be taken outside the student's major discipline(s) and may, with the consent of the instructor, be taken for S/U credit. The major works and major issues of the discipline will be decided by the department offering the course. For purposes of this document, the term "discipline" refers to the following fields: business, education, engineering, fine arts, health sciences, letters, natural sciences, and social sciences.

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

**Literature and Writing:** 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. Significance of the literature will be determined by the department offering the course. 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 rewriting, and process writing. This requirement may be satisfied through comparative literature courses. These literature courses need not be limited to the English Department. 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. Students will take at least one of the Major Works and Major Issues courses outside their discipline(s). This course 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.**

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, 1997. Additional courses may have been certified since that date. Please consult with an academic advisor for current and additional information.

### EXIT REQUIREMENT COURSES

#### MAJOR WORKS AND MAJOR ISSUES

AFA	4335	Black Women In America
AMS	4804	Major Ideas In America
ANT	4172	Historical Archaeology -6A
ANT	4241	Magic And Religion -6A
ANT	4302	Sex Roles In Cross-Cultural Perspective
ANT	4316	Ethnic Diversity In The United States
ANT	4324	Mexico And Central America
ANT	4340	The Caribbean -6A
ANT	4432	The Individual And Culture -6A
ARC	4784	The City -6A
ARH	4455	Modern Political Iconography
ARH	4710	History Of Photography -6A
BSC	4057	Environmental Issues
CCJ	4934	Seminar In Criminal Justice
CES	4000	Structures And Urban Environment For Non-Engineers -6A
CGN	4122	Engineering Contracts, Specifications And Ethics -6A
CHM	4070	Historical Perspectives In Chemistry -6A
CIS	4250	Ethical Issues And Professional Conduct -6A
CLT	3101	Greek Literature In Translation -6A
CLT	3102	Roman Literature In Translation -6A
COM	4030	Women And Communication -6A
ECO	3703	International Economics
ECO	4323	Marxist Political Economy
ECP	3201	The Economics Of Women And Work
ECP	3302	Environmental Economics
ECS	4003	Comparative Economic Systems
EDF	3228	Human Behavior And Environmental Selection -6A
EDF	3542	Philosophy Of Education
EDF	3604	Social Foundations Of Education
EGN	4831	Technology & Society
EIN	4365	Facilities Design II
EML	4551	Capstone Design
EVR	4225	Wetland Environments
EVT	4651	Equity In Schools And The Workplace -6A
GEB	4890	Business Policy
GEO	4372	Global Conservation -6A
GEO	4470	Political Geography
GEO	4604	Advanced Urban Geography
GET	3100	German Literature In English Translation: Variable Topic
GLY	4732	Beaches And Coastal Environments
GLY	4981	Moons, Planets and Meteors: An Introduction to Planetary Science
HIS	4936	Pro-Seminar In History
HUM	4938	Major Issues In The Humanities
IDS	3115	Values And Choice -6A
IDS	3663	Critical Issues Affecting The Arts -6A
INR	3018	World Ideologies
INR	3033	International Political Cultures
INR	4089	Conflict In The World
INR	4254	Africa In World Politics
INR	4936	Senior Seminar
ISS	4935	Seminar In Social Sciences
LIT	3301	Cultural Studies And The Popular Arts -6A
LIT	3374	Bible As Literature
LIT	3451	Literature And The Occult -6A
LIT	3550	Great Literature Of The World -6A
LIT	4386	British And American Literature By Women -6A
MHF	4403	The Early History Of Mathematics -6A
MHS	4052	Human Relations Skills In Counseling
MUH	3301	Music History/Baroque And Classic
MUH	3302	Music History/Romantic And 20th Century
MUH	4058	Intercultural Music In The Twentieth Century
NUR	3829	Ethical Legal Aspects In Nursing And Health Care
NUR	4194	An Interdisciplinary Perspective On HIV -6A
PHH	4600	Contemporary Philosophy -6A



PHH	4700	American Philosophy -6A
PHI	4073	African Philosophy
PHI	4300	Theory Of Knowledge -6A
PHI	4320	Philosophy Of Mind
PHI	4632	Feminist Ethics
PHI	4800	Aesthetics -6A
PHM	4120	Major Black Thinkers
PHM	4322	Ancient And Medieval Political Philosophy -6A
PHM	4331	Modern Political Philosophy -6A
PHM	4340	Contemporary Political Philosophy -6A
PHP	4000	Plato -6A
PHP	4010	Aristotle -6A
PHP	4788	Philosophy Of Marxism -6A
PHY	4031	Great Themes Of Physics -6A
POS	4694	Women And Law II
POT	4661	The Politics Of Identity, Difference And Inequality
PUP	4323	Women And Politics -6A
REL	3114	Comedy, Tragedy, And Religion -6A
REL	3155	Life After Death -6A
REL	3280	Biblical Archaeology
REL	3465	Religion And The Meaning Of Life -6A
REL	3561	Roman Catholicism -6A
REL	3602	Classics Of Judaism -6A
REL	3613	Modern Judaism
REL	4113	The Hero And Religion -6A
REL	4133	Mormonism In America
REL	4171	Contemporary Christian Ethics -6A
REL	4221	Who Wrote The Bible (Genesis-Kings) -6A
REL	4626	Reason In Religion: Talmudic Logic
REL	4670	Judaism And Christianity After The Holocaust -6A
RUT	3110	Russian Classics In English -6A
RUT	3111	Twentieth-Century Russian Literature In English -6A
SCE	4237	Science, Technology, And Society Interactions -6A
SPA	4050	Introduction To The Clinical Process
SPC	4201	Oral Tradition
SPC	4714	Communication, Culture And Community
SSE	4380	Global And Multicultural Perspectives In Education
SYA	4935	Senior Seminar
SYO	4410	Disability And Society
THE	3110	Theatre History
THE	4180	Theatre Origins -6A
THE	4320	Theatre Of Myth & Ritual/Northern European & Oriental -6A
THE	4330	Shakespeare For The Theatre -6A
THE	4401	O'Neill And After -6A
THE	4435	Theatre Of Pluralism -6A
THE	4562	Contemporary Performance Theatre -6A
WST	4260	Research Issues On Women Of Color
WST	4310	Feminism In America -6A
WST	4342	Classics In Feminist Theory
WST	4350	Women And Science

**LITERATURE AND WRITING**

AML	3604	African-American Literature -6A
EEC	4008	Literature In Early Childhood Education -6A
EEX	4015	Narrative Perspectives On Exceptionality: Cultural And Ethical Issues -6A
LAE	4414	Literature In Childhood Education -6A
LAE	4464	Adolescent Literature For Middle & Secondary Students -6A
LIT	3073	Contemporary Literature -6A
LIT	3301	Cultural Studies And The Popular Arts -6A
LIT	3451	Literature And The Occult -6A
LIT	3550	Great Literature Of The World -6A
LIT	4386	British And American Literature By Women -6A
NUR	4194	An Interdisciplinary Perspective On HIV -6A
POT	4109	Politics And Literature -6A
REL	3613	Modern Judaism -6A

REL	4221	Who Wrote The Bible (Genesis-Kings) -6A
REL	4670	Judaism And Christianity After The Holocaust -6A
RUT	3110	Russian Classics In English -6A
RUT	3111	Twentieth-Century Russian Literature In English -6A
SYA	3310	Qualitative Inquiry -6A
THE	4330	Shakespeare For The Theatre -6A
THE	4360	The 19th Century Theatre Revolution -6A
THE	4442	The Comedy Of The Classic And Neoclassic Stage -6A
WST	4262	Literature By American Women Of Color -6A
WST	4263	Third World Women Writers -6A

**"Outside the Discipline" Major Works & Major Issues Liberal Arts Exit Courses**

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

**Cluster 1: Arts & Letters** - Students with majors in these programs must take at least one certified Majors Works & Major Issues course in Clusters 2-8.

American Studies  
Classics & Classical Languages  
Communication  
English  
French  
German  
Humanities  
Italian  
Liberal Studies  
Mass Communications  
Philosophy  
Religious Studies  
Russian  
Spanish

**Cluster 2: Natural Sciences** - Students with majors in these programs must take at least one certified Majors Works and Majors Issues courses in Clusters 1 or 3-8.

Biology  
Chemistry  
Environmental Science and Policy  
Geology  
Interdisciplinary Natural Sciences  
Mathematics  
Medical Technology  
Microbiology  
Physics

**Cluster 3: Social Sciences** - Students with majors in these programs must take at least one certified Majors Works & Major Issues course in Clusters 1 or 2 or 4-8.

Africana Studies  
Anthropology  
Criminology  
Economics (Social Sciences)  
Geography  
Gerontology  
History  
Interdisciplinary Social Sciences  
International Studies  
Political Science  
Social Work  
Sociology  
Women's Studies

**Cluster 4: Business** - Students with majors in these programs must take at least one certified Major Works & Major Issues course in Clusters 1-3 or 5-8.

Accounting  
Economics (Business)  
Finance

General Business Administration  
Management Information Systems  
Management  
Marketing

**Cluster 5: Engineering** - Students with majors in these programs must take at least one certified Major Works & Major Issues course in Clusters 1-4 or 6-8.

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

**Cluster 6: Fine Arts** - Students with majors in these programs must take at least one certified Major Works & Major Issues course in Clusters 1-5 or 7-8.

Art  
Art History  
Dance (B.A. Track or B.F.A. Track)  
Theatre  
Music

**Cluster 7: Education** - Students with majors in these programs must take at least one certified Major Works & Major Issues course in Clusters 1-6 or 8.

Behavior Disorders  
Business and Office Education  
Distributive Education  
Early Childhood Education  
Elementary Education  
English Education  
Foreign Languages Education (French, German, Italian, Russian, Spanish)  
Industrial-Technical Education  
Mathematics Education (Secondary Math, Track 1 or 2)  
Mental Retardation Education  
Physical Education (K-8, 6-12, Wellness Leadership)  
Science Education (Biology, Chemistry, Physics)  
Social Studies Education  
Specific Learning Disabilities Education

**Cluster 8: Nursing** - Nursing majors must take at least one certified Major Works and Major Issues course in Cluster 1-7.

## Exceptions to the Cluster Rule --

For the degree programs below, the "outside the discipline" criterion is met differently.

- Art Education - A certified course from either Education or Fine Arts Cluster can meet criterion.
- Drama Education - A certified course from either Education or Fine Arts Cluster can meet criterion.
- Dance Education - a certified course from either Education or Fine Arts Cluster can meet criterion.
- Music Education - a certified course from either Education or Fine Arts Cluster can meet criterion.

## Freshman English Requirement

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

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

2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus or (b) who have failed but wish to repeat the test should attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or doesn't attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year.

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

## Credit by Examination

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

## Graduation Requirements Baccalaureate Degree University Requirements

In compliance with Florida Senate Bill 2330, the University of South Florida has reduced undergraduate degree programs to 120 hours. Exceptions to this have been approved by the Florida Board of Regents and are noted in this catalog.

All first time in college students entering the University beginning Fall 1996 will be required to pay an "excess hours" charge for all courses attempted (including courses failed, dropped and repeated) beyond the number of hours required for the students' degrees plus 15 percent. For example, students who choose majors requiring 120 credits will be allowed to enroll in courses totaling 138 credit hours before "excess hours" charges are applied. After 138 hours the students will be assessed an additional charge of 50% of matriculation fee. Some courses (e.g., military science courses, additional courses required for dual majors, Study Abroad and credits awarded for the Washington Internship Program) may be excluded from the requirement for additional charges.

The policy also applies to undergraduate transfer students entering any SUS institution or Florida community college as first time in college students Fall 1996 and thereafter, and all undergraduate transfer students entering the University Fall 1998 and thereafter. Former students who return to the University prior to Fall 1998 will not be subject to the policy; however, those who return Fall 1998 and thereafter will be subject to the policy.

Additional information about the "excess hours" charges may be obtained from academic advisors.

The State Department of Education is charged with the development and coordination of a common course designation and numbering system for community colleges and the State University System which will improve program planning, increase communication among community colleges and universities, and facilitate the transfer of students. As part of this effort, changes will be made system-wide in course prerequisites, course levels, etc. These changes are not reflected in this catalog and will be implemented during the academic year. Students should check with the academic advising office in their college or regional campus, the Center for Academic Advising for undeclared majors, or the Office of the Dean of Undergraduate Studies for current information.

University minimum requirements for graduation consist of the following: earn a minimum of 120 semester hours with an overall 2.00 GPA, including a 2.00 GPA in all courses attempted at USF; a transfer student must have a GPA of 2.0 or higher

when combined with all work attempted at other institutions; satisfactorily complete CLAST and the writing and computation course requirements of 6A-10.30; earn a minimum of 40 semester hours of upper-level work (courses numbered 3000 and above); complete Liberal Arts requirements; complete residency requirement; complete program requirements as determined by the college; and be recommended for graduation by the dean of the appropriate college. The requirements must be met by every student upon whom a degree is conferred. The total number of semester hours needed to complete the baccalaureate degree depends upon the academic major field of study. No grades may be changed following graduation.

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

### Summer Enrollment Requirement

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

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

### Foreign Language

#### Graduation Requirement for B.A. Students

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

#### Classical Languages

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

#### Modern Languages

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

#### American Sign Language

Approval needed by the student's program/department major. The following programs accept Sign Language Competency for the exit requirement: Africana Studies, Anthropology, Communication, Criminology, Geography, Gerontology, Mass Communications, Political Science, 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 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 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 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.)
- Chemistry (CHM) (B.A.)
- Chemistry (CHS) (B.S.)
- Chemistry (5-Year Program) (CBM) (B.A.)
- Classics (Interdisciplinary Classics) (ICL) (B.A.)
- Classics (Latin) (CLL) (B.A.)
- Classics (Latin-Greek) (CLS) (B.A.)
- Clinical Chemistry (CHC) (B.S.)
- Communication (SPE) (B.A.)
- Criminology (CCJ) (B.A.)
- Economics (ECN) (B.A.)
- English (B.A.)
- Literature (ENG) (B.A.)



Creative Writing-Fiction (CWF) (B.A.)  
 Creative Writing-Poetry (CWP) (B.A.)  
 Professional-Technical Writing (CWT) (B.A.)  
 Environmental Science and Policy (ESP) (B.S.)  
 French (FRE) (B.A.)  
 Geography (GPY) (B.A.)  
 Geology (GLY) (B.A.)  
 Geology (GLS) (B.S.)  
 German (GER) (B.A.)  
 Gerontology (GEY) (B.A.)  
 Gerontology (GES) (B.S.)  
 History (HTY) (B.A.)  
 Humanities (HUM) (B.A.)  
 Interdisciplinary Social Science (ISS) (B.A.)  
     American Sign Language (ISA) (B.A.)  
     Speech/Language/Hearing Science (ISH) (B.A.)  
     Urban Studies (ISU) (B.A.)  
     Interpreter Training (ISI) (B.A.)  
 Interdisciplinary Studies (BIS) (B.I.S.)  
 International Studies (INT) (B.A.)  
 Italian (ITA) (B.A.)  
 Liberal Studies (ALA) (B.A.)  
 Mass Communications (B.A.)  
     Advertising (ADV) (B.A.)  
     Broadcasting News (NWS) (B.A.)  
     Broadcasting - Program & Production (PGM) (B.A.)  
     Film (FIL) (B.A.)  
     Journalism - Magazine (MAG) (B.A.)  
     Journalism - News Editorial (JOU) (B.A.)  
     Public Relations (PUR) (B.A.)  
     Visual Communications (VIC) (B.A.)  
 Mathematics (MTH) (B.A.)  
 Mathematics - 5-year program (MBM) (B.A.)  
 Medical Technology (MET) (B.S.)  
 Microbiology (MIC) (B.S.)  
 Natural Sciences Interdisciplinary  
     Biology (INB) (B.A.)  
     Chemistry (INC) (B.A.)  
     Clinical Laboratory Sciences (INL) (B.A.)  
     Environmental Science and Policy (INE) (B.A.)  
     Geology (ING) (B.A.)  
     Mathematics (INM) (B.A.)  
     Physics (INP) (B.A.)  
 Philosophy (PHI) (B.A.)  
 Physics (PHY) (B.A.)  
 Physics (PHS) (B.S.)  
 Political Science (POL) (B.A.)  
 Psychology (PSY) (B.A.)  
 Religious Studies (REL) (B.A.)  
 Russian (RUS) (B.A.)  
 Social Work (SOK) (B.S.W.)  
 Sociology (SOC) (B.A.)  
 Spanish (SPA) (B.A.)  
 Women's Studies (WST) (B.A.)

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

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

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

Art Education (ARE)  
 Business and Office Education (BTE)  
 Distributive Education (DEC)  
 Early Childhood (EEC)  
 Elementary Education (EDE)  
 English Education (ENE)  
 Special Education  
     Behavior Disorders (EBD)

Mental Retardation (EMR)  
 Specific Learning Disabilities (ELD)  
 Foreign Language Education (FLS) (B.A.)  
     French (FLF)  
     German (FLG)  
     Italian (FLI)  
     Russian (FLR)  
     Spanish (FLS)  
 Industrial-Technical Education (EVT)  
 Mathematics Education (MAE)  
 Music Education  
     General (MEG)  
     Instrumental (MEI)  
     Vocal (MEV)  
 Physical Education  
     Elementary (PTE)  
     Secondary (PTS)  
     Wellness (PTW)  
 Science Education  
     Biology (NSB)  
     Chemistry (NSC)  
     Physics (NSP)  
 Social Science Education (SSE)

#### College of Engineering:

Chemical Engineering (ECH) (B.S.C.H.)  
 Civil Engineering (ECE) (B.S.C.E.)  
 Computer Engineering (ECP) (B.S.C.P.)  
 Computer Science (ECC) (B.S.C.S.)  
 Electrical Engineering (EEL) (B.S.E.E.)  
 Engineering (EGU) (B.S.E.)  
 Engineering Science (EGC) (B.S.E.S.)  
 Industrial Engineering (EIE) (B.S.I.E.)  
 Information Systems (EIF) (B.S.I.S.)  
 Mechanical Engineering (EME) (B.S.M.E.)

#### College of Fine Arts (B.A.) (B.F.A.) (B.M.):

Art (ART) (B.A.)  
 Art History (AHI) (B.A.)  
 Dance (DAN) (B.A.)  
 Music (MUS) (B.M.)  
 Theatre (TAR/TFA) (B.A./B.F.A.)

#### College of Nursing (B.S.):

Nursing (NUR)  
 Nursing (NRN)

#### Academic Minor

In addition to major programs, many departments offer an academic minor that requires approximately one-half the upper-level credits required for a major. Students interested in a particular minor should obtain the specific requirements from the appropriate department. The department may require the same admission or retention standards as required for the major.

Each academic minor conforms to the University requirements:

1. A minimum of 8 semester hours of credit used to satisfy the requirements of a minor must be from USF courses.
2. A student desiring a minor must have a major in a different program option.
3. USF coursework for a minor must have a GPA of at least 2.0.
4. Only an undergraduate degree-seeking student at USF is eligible for a minor.
5. A minor can be applied for and received only in conjunction with applying for and receiving a baccalaureate degree except for students who have already received a baccalaureate degree from USF who may earn certification of a minor by taking additional undergraduate coursework at the University and applying for the certification.

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

**College of Arts and Sciences:**

Africana Studies - Option I or II  
 African Studies  
 American Studies  
 Anthropology  
 Business Administration  
 Communication  
 Criminology  
 Economics  
 English: English and American Literature  
 English: Professional-Technical Writing  
 English: Creative Writing  
 Finance  
 French  
 Geography  
 Geology  
 German  
 Gerontology  
 Greek  
 History  
 Humanities  
 Interdisciplinary Classics  
 International Business  
 International Studies  
 Italian  
 Latin  
 Linguistics  
 Manual Communications  
 Mathematics  
 Philosophy  
 Political Science  
 Psychology  
 Religious Studies  
 Russian  
 Sociology  
 Spanish  
 Women's Studies  
 Women's Studies: Women of Color

**College of Business Administration:**

Business Economics  
 Finance  
 General Business Administration  
 Management  
 Management Information Systems

**College of Fine Arts:**

Art  
 Dance  
 Music  
 Theatre

**Student's Choice of Catalog**

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

Graduation requirements in effect at the receiving SUS institution at the time a student enrolls at a Florida public institution of higher learning shall apply to that student in the same manner that graduation requirements apply to its native students provided the student has had continuous enrollment as defined in the SUS institution's catalog.

At USF, "continuous enrollment" is defined as enrolling as a degree seeking student at least one term each twelve month period. Therefore, students cannot choose a USF catalog published prior to or during an academic year in which they did not maintain continuous enrollment.

Each catalog is considered to be published during the academic year printed on the title page.

If the student cannot meet all of the graduation requirements specified in the catalog of his/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 which has been repeated may be counted only once toward the minimum 120 semester hours of credit required for graduation.

**Double Undergraduate Major**

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

**Second Undergraduate Major**

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

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

**Two Degrees (USF Students)**

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

**Second Baccalaureate Degree  
(Transfer Students)**

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

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

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

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

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

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

**Application for Graduation**

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

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

The application must first be certified (signed or stamped in the section, "Office Use Only") by the student's college (Center for Academic Advising for the A.A. degree). 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 3.500 GPA before the term in which they plan to graduate to have honors recognized publically at the commencement ceremony.

**Honors at Graduation**

A baccalaureate candidate must first have an overall GPA for all work attempted at USF on the standard grading scale of a 3.500 or higher to be considered for honors. In addition, transfer students and USF students who have post-secondary work elsewhere to be eligible for honors must have a GPA of 3.500 or higher when combined with all work attempted at other institutions (including developmental classes). The forgiveness policy at USF or other institutions will not be applicable in computing the GPA for honors nor are plus/minus grades awarded at other institutions.

Candidates with a GPA of 3.500 but below 3.710 shall receive a diploma designation of *cum laude* (with honor).

Candidates with a GPA of 3.710 but below 3.900 shall receive a diploma designation of *magna cum laude* (with higher honor).

Candidates with a GPA of 3.900 or above shall receive a diploma designation of *summa cum laude* (with highest honor).

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

Please note, for purposes of honors recognition at the ceremony, students must have a 3.500 GPA before the term in which they plan to graduate to have honors recognized publically at the commencement ceremony.

**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 twenty of the last thirty semester hours must be completed in residence at the USF; the minimum grade point average must be 2.0 based on work attempted at the USF; in addition, a transfer student must have a GPA of 2.0 or higher when combined with transfer work accepted and evaluated by the USF Office of Admissions; and the General Education Requirements of USF must be satisfied. Physical Education and military science credits do not count within the 60 semester hours toward the Associate of Arts. In addition the student must present a score (passing score after August, 1994) on the College-Level Academic Skills Test and fulfill the writing and computation course requirements of 6A-10.030 prior to receiving the Associate of Arts Certificate.
2. Application Procedure for the Associate of Arts Certificate. The Application for an Associate of Arts Certificate can be obtained from the Center for Academic Advising prior to the application deadline. The deadline to apply for a degree in each semester is stated in the Academic Calendar in the catalog.
3. The Associate of Arts certificate must be awarded prior to the term that the student becomes eligible for the baccalaureate degree.
4. Final processing for the Associate of Arts will be done after grades are processed at the end of the semester for which the student applied. All work, including transfer work, taken in that semester will be evaluated with respect to the requirements for the Associate of Arts Certificate.
5. Any incomplete grades shown on the permanent record of an Associate of Arts applicant at the time grades are processed will be treated as an F in the calculation of grade point average.
6. The General Education Requirements will be based on the approved University policy in effect in the catalog year the student chooses according to the University policy regarding the choice of catalog. The consideration of whether or not General Education Requirements are met will be made without consideration of the student's choice of major at the time he/she applies.
7. Residence credit will be broadly defined to include USF sponsored student exchange programs and the University of Florida Correspondence Division. Where the grades from these institutions, except those earned through the University of Florida Correspondence Division, are recorded on the permanent record at USF, and included in the grade point average calculation, they will also be counted in the student's grade point average as work attempted at USF for the Associate of Arts Certificate.



8. An applicant who has not been enrolled at USF for three semesters may be contacted to ascertain whether or not that applicant meets the residency requirements.
9. In approving any application for the Associate of Arts Certificate, satisfactory/unsatisfactory grades will be accepted according to the approved University policy in effect during the terms of the student's enrollment without regard for the student's declared major. Students must be aware that if they have taken any courses on a satisfactory/unsatisfactory basis where such grades are not acceptable by the college of the major, the students may be required to repeat particular courses for a traditional letter grade or take additional courses for a traditional letter grade to meet the college requirements.
10. All USF colleges with undergraduate programs will accept the Associate of Arts from USF. That is, the student will be placed at least, at the junior level and will be considered to have met the University's General Education Requirements. The applicability of the courses taken by the student toward his/her major program will be determined by the college of the student's major. Similarly, any special requirements for a student's professional certification (e.g., Education and Engineering) are not necessarily met by the Associate of Arts certificate, but could be included as part of the General Education Requirements. Thus, students should check with their colleges concerning meeting any special requirements in an efficient manner.
11. The awarding of the Associate of Arts is posted on the permanent record but does not alter the calculation of the grade point average nor does it interrupt the accumulation of the student's record.
12. Students who follow a baccalaureate degree program as recommended by a college will not necessarily be eligible for the Associate of Arts certificate prior to the completion of 90 semester hours.
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.

Copies of the University's student records policy, USF Rule 6C4-2.0021, may be obtained from:

University Registrar	or	USF Agency Clerk
SVC 1034		Office of the General
4202 Fowler Avenue		Counsel
Tampa, Florida 33620		ADM 254
		4202 Fowler Avenue
		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.

### 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 rights to:

1. Inspect and review their education records
2. Privacy in their education records

# ACADEMIC PROGRAMS AND SERVICES

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

## Special Academic Programs USF/Florida Public Community College Cross Enrollment

Some undergraduate students may find it advantageous to cross enroll at a Florida public community college while attending USF. 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. See a USF college advisor for detailed registration instructions and course approval.

## 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.

## College Level Examination Program (CLEP)

USF grants credit for general distribution requirements and for a number of specific courses through CLEP General Examinations and CLEP Subject Examinations. Performance levels necessary to achieve credit are established at a common level for all universities and community colleges in the State system. Generally the performance levels are based on the average score of students who have already taken the courses.

The following policies apply to this program:

1. Although the *General Examinations* are not equated to specific courses, there are two cases in which the content is sufficiently similar to be considered as duplicate credit. Thus, credit may not be received for both in the following:

<i>Test</i>	<i>Courses</i>
English Composition with Essay	ENC 1101 and ENC 1102
Mathematics	MAC 2102 and MGF 2202
2. Transfer students from SUS or Division of Community College institutions must have scores or CLEP credit posted on their transcripts to receive CLEP credit at USF. Transfer students from non-SUS or non-Division of Community College institutions must have scores which meet the State Board of Education minimum score standards posted on official transcripts. The receiving college will determine, based upon guidelines, the applicability of these credits to the student's (baccalaureate) degree requirements.
3. Credit for CLEP *Subject Examinations* will be awarded for passing scores only on those examinations which are recognized by USF and do not constitute duplicate course credit.
4. CLEP Examinations (General or Subject) for English do not satisfy the writing requirements for SBE 6A-10.30, although they do provide credit for the appropriate English courses.
5. CLEP General/Subject Examinations in mathematics, calculus, college algebra, trigonometry may satisfy the semester hours of mathematics required (College Algebra or above) for SBE 6A-10.30.
6. CLEP credit does not count toward academic residency. Applications for and additional information on CLEP are available in the Office of Evaluation and Testing.

## Advanced Placement Credit Program

USF participates in the Advanced Placement Program conducted by the College Entrance Examination Board.

Examination papers are graded by selected committees on a five-point scale. The University allows advanced placement credit for scores of 3, 4 or 5. No credit is allowed for scores of 1 or 2.

Additional information is available in the Office of Evaluation and Testing.

## Independent Study

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

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

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

## College Reach-Out Program

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. Tutoring services are provided to enhance students' academic skills.

The program is structured to provide counseling in personal, social, academic, educational, and career opportunities. Academic requirements are listed:

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

Applications should be forwarded to the College Reach-Out Program, FAO 161, USF. Information may be obtained by calling (813) 974-3713.

## Enrollment in Evening Courses

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

## State University System, External Degree Program Bachelor of Independent Studies (BIS)

The Bachelor of Independent Studies Program is available through participating state universities in Florida. The universities currently involved are the Florida International University, Florida State University, the University of Florida, the University of North Florida, and the University of South Florida.

Founded in 1968, the external degree program is for adults who find it difficult to attend regular university classes because of career or family commitments. The BIS student proceeds at his/her own pace and, for the most part, in his/her own setting. The exception is the summer seminars which require periodic, short-term campus residence.

The administration office for the Program is located on USF's Tampa Campus. For detailed information, see the College of Arts and Sciences.

## State University System Correspondence Courses

The University of Florida's Department of Independent Study by Correspondence administers all correspondence instruction for Florida's State University System (SUS).

Over 150 college credit, high school credit and continuing professional education courses are available anytime, anywhere through regular mail or fax. In many cases, students also have the option to e-mail their assignments to the instructor.

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

For a **FREE** brochure, please contact: Department of Independent Study, 2209 NW 13th Street, Suite D, Gainesville, FL 32609-3498; (352) 392-1711, ext. 200; or e-mail: [Learn@nervm.nerdc.ufl.edu](mailto:Learn@nervm.nerdc.ufl.edu). Be sure to check out the home page: <http://www.doce.ufl.edu/indstudy>.

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

### Upward Bound

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 and academic skills, and to provide the motivation necessary to obtain entrance and 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 presently be enrolled in the 10th or 11th grade in an accredited high school.
4. GPA must be 2.0 ("C") or above in basic pre-college courses.
5. Attend weekly scheduled tutorial sessions.
6. Attend six-week summer residential component on the USF Tampa Campus.

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

### International Student Exchange Program (ISEP)

USF maintains cooperating programs for the exchange of undergraduate students with various universities in England, France, Scotland, Australia, Israel, Sweden, Japan and Korea. These exchanges are provided through the International Student Exchange Program (ISEP). Because new schools are continuously added to the ISEP, an updated listing of exchange universities is available from the ISEP office.

It is much less expensive to attend a foreign university on exchange than it would be on one's own. Costs approximate those at USF. Decisions about covered charges and services are based upon cooperating contractual agreements. There is a deposit of \$250.00 for international exchange, which is refunded only if a qualified applicant cannot be placed. While on exchange, students are considered to be enrolled full-time for all purposes including financial aid. Duration of exchange can be a full year or one semester depending on the specific exchange agreement.

A minimum 2.5 (3.0 for some institutions) cumulative GPA is required for exchange. It is recommended, though not required, that students exchange during the sophomore or junior years. Courses and grades earned on exchange are accepted and entered into the USF record (transcript) and grades earned on exchange are merged into the USF GPA.

Students who wish to exchange in the Fall are advised to apply by March 1. Students wishing to exchange in the Spring are advised to apply by September 15. The number of placements is limited, so early application is desirable. The date of application (as well as year in college, scholastic record, etc.) carries considerable weight in situations where demand exceeds supply. The ISEP office maintains a library of materials about the universities cooperating with USF.

### Study Abroad Programs

USF students are eligible, if they meet the specific academic requirements, for enrollment in a wide variety of study abroad

programs sponsored by the SUS of Florida as well as by many other U.S. colleges and universities, national educational organizations, and foreign institutions of higher learning.

\* The following overseas study programs are administered by USF under the auspices of the Overseas Study Programs Office of the International Affairs Center (located in CPR 468).

\* One, two, or three-month study in Paris and in Tours, France. In-class study of the French language in cooperation with the Alliance Française. In conjunction with this language study, an intensive program in French culture is offered during the month of June or July which combines lectures, and on-site visits in Paris with day-long excursions to important historical locations in the provinces.

\* A four-week summer program of Italian language and culture located at Perugia, Italy in conjunction with the Italian University for Foreigners.

\* A four-week summer program of study of Spanish language and culture centered in Madrid, Spain, with a study tour to Barcelona or Andalusia.

\* A year-round program in San Jose, Costa Rica in collaboration with the Forester International Institute. This flexible program of study of Spanish offers intensive courses from two weeks to three months.

\* A summer program in Mexico. Offered in collaboration with the University of the Americas in Cholula, Mexico. It provides participants with an opportunity to study Spanish language, Mexican culture and to visit many archeological sites.

\* A summer program in photography or art history conducted in Paris, France. (Class alternates each year.)

\* A three-week to eight-week summer program in German language and culture in Berlin.

\* A six-week summer program in Russian language and culture in Moscow.

\* A two, three, or four-week international summer school program at Cambridge University.

\* And approximately 3 dozen semester and summer academic programs in more than 25 countries available through USF's membership in the College Consortium for International Studies (CCIS).

New study abroad opportunities are added each year. In addition to residential programs, USF offers a variety of short-term study-tour programs managed by the Overseas Study Programs Office (CPR 468).

These programs include intensive study on the Tampa campus prior to the travel segment. Recent programs have focused on Africa, the Caribbean, South America, France, Ireland and Scotland, and Tahiti/Moorea.

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

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

A sampling of residential or study-travel programs offered by other universities in the SUS follows:

Administered by Florida A & M University: study and exchange programs to Haiti, Jamaica and Sri Lanka.

Administered by Florida Atlantic University: study and exchange programs to Australia, China, Denmark, Finland, Lithuania, Poland, and Russia.

\* Administered by Florida International University: study and exchange programs to the Bahamas, the Czech Republic, France, Germany, Mexico, and Sweden.

\* Administered by Florida State University: study and exchange programs to Australia, Barbados, Costa Rica, Eastern Europe, Italy, Korea, Switzerland, and England.

\* Administered by the University of Central Florida: study and exchange programs to Austria, Canada, Chile, China, Korea, Russia and Switzerland.

\* Administered by the University of Florida: study and exchange programs to Denmark, England, Finland, Germany, Greece, Italy, Japan, Mexico, Sweden, Taiwan and Venezuela.



\*Administered by the University of North Florida: study and exchange programs to the Czech Republic, England, France and Ireland.

\*Administered by the University of West Florida: study and exchange programs to Austria, Canada, Costa Rica, Germany, Israel, Japan, Norway and Taiwan.

Students who plan to participate in study abroad programs should consult their departmental advisors to determine whether the course of study they plan to pursue will be acceptable for meeting degree requirements.

Information about these and other programs, as well as advising on study abroad, may be obtained from the Overseas Study Programs Office or Overseas Information Library in CPR 468, 974-4314; e-mail: [jhale@lang.usf.edu](mailto:jhale@lang.usf.edu) or [lyates@lang.usf.edu](mailto:lyates@lang.usf.edu).

### **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 salvage and full acceptance of the Associate of Arts degree.

## **Academic Services and Support**

### **Distance and Technology Mediated Learning**

The Division of Distance and Technology Mediated Learning provides the support for the distance delivery and technology enhancement of instruction and serves various instructional and non-instructional needs of the University.

**Academic Productions** supports the video production and recording needs of the University by providing in-house classroom studio facilities. These studios are part of the University's distance learning network which enables the delivery of courses, teleconferences, and meetings to remot campuses, industrial and corporate sites, and other agencies throughout the State. Academic Productions can also produce instructional, informational, and promotional videos and multi-image slide shows for faculty, staff, and student organizations.

**Academic Support Services** provides coordination and assistance in the delivery of courses to off-campus sites. Services include studio scheduling, publication of course offerings, on-site registration and advisement, materials distribution, tape duplication and distribution, and site director training. Academic Support Services acts as a conduit between and among the various campuses and remote sites.

**Campus A/V Instructional Services** provides equipment such as TV receivers/monitors, video projectors, video equipment, computer projection units, 16mm projectors, filmstrip projectors, slide projectors, etc., for classroom use, University events and other functions. Audiovisual Services also provides simple and complex public address systems, recording and dubbing services, and maintenance of audio and video equipment.

**The Film/Video Distribution's** collection contains instructional and informational videotapes and films that are available for utilization in scheduled USF courses at no charge; for rental to external agencies or non-academic internal utilization; and for preview in the Film/Video Distribution Office located on the Tampa campus. Reference and research services for films not in the USF collection are also provided.

**The Graphic Design Department** provides a full range of graphic design applications including brochures, flyers, transparencies, charts, graphs, signs, video animation, computer-generated slides, and displays. Graphic designers provide

solutions to meet communication design needs for instructional, informational, and promotional activities of the University.

**The Media Supplies and Services Department** provides comprehensive assistance in the selection, design, production and utilization of a varied range of instructional and presentational materials and tools. Services include overhead transparencies, signs, drymounting, matting, laminating, framing, punch/bind and poster size enlargements. AV materials, such as microphones, patch cords, projection lamps, overhead transparencies, surge protectors, audio and video cassettes, splicing tapes, and more are available for purchase.

**Teleconferences.** USF teleconference facilities allow faculty, staff, students, and the business community access to pertinent information presented by renowned experts in their field. Using one-way video and two-way audio live, satellite-transmitted, interactive programs, conferences, and discussions from anywhere in the world. Viewers, in remote sites who share an educational need, are virtually connected across time and space by electronic technology. USF's satellite receiving dish allows reception of both KU and C band teleconferences, as well as re-transmission from the Tampa campus to selected receive-sites within the University's five-county transmission area. The Office of Teleconferences also provides full coordination services for uplink capability. Complete teleconference program planning, coordination and administrative services, including marketing and promotion, registration, program materials, fiscal management, and evaluation are available.

### **Open University (O.U.)**

The Open University (O.U.) brings USF credit courses to students via television and radio. Broadcast on WUSF-TV, Channel 16 in the Tampa, St. Petersburg, Sarasota, and Lakeland areas and on WSFP-TV, Channel 30 in the Fort Myers area, O.U. is ideal for the working person, a parent with small children, a student who is unable to get into an on-campus course, or anyone with a desire to learn. Most programs are broadcast twice, at times convenient for students.

Many O.U. courses may be used to fulfill General Distribution and/or major requirements and may be used as elective credit for most degree programs. Some O.U. courses also may be used by Florida teachers to extend their teaching certificates. Students should check with their departments for clarification.

**THERE IS NO MANDATORY FIRST DAY CLASS ATTENDANCE POLICY FOR MOST O.U. COURSES UNLESS INDICATED.** This means that, while you are not responsible for attending a "first class" for most O.U. courses (other than those scheduled and listed on your syllabus), you will NOT BE AUTOMATICALLY DROPPED from an O.U. course. The ONLY way you may drop an Open University course is to fill out a drop/add form and turn it in to the Office of the Registrar.

All O.U. credit courses require some combination of quizzes, papers, special projects, etc., and students receive a letter grade or elect in some courses, to take a satisfactory/unsatisfactory option. Registration dates/times coincide with the University's registration schedule. Both degree-seeking and non degree-seeking students may register for the Open University telecourses at the Tampa, St. Petersburg, Sarasota, Fort Myers, or Lakeland campuses. **Students registering by phone must get a course syllabus from the O.U. office before classes begin. Students registering at the Tampa Campus (not by phone) must have a permit stamp from the O.U. office before registering.**

The O.U. office, like all departments at USF, is unable to give course grades or assignment grades over the phone. With proper identification (driver's license, military ID, USF ID), O.U. will be happy to return papers or give grades to you personally.

### **THE USF LIBRARY SYSTEM**

The seven libraries of USF consist of the three libraries of the Tampa campus: Tampa Campus Library, Health Sciences Library, Florida Mental Health Institute Library; Nelson Poynter

Library at the St. Petersburg Campus; Jane Bancroft Cook Library at the New College/Sarasota Campus; and joint use facilities with community colleges at Edison Community College in Ft. Myers and Polk Community College in Lakeland. The System provides access to information resources to fulfill the instructional, research, and artistic needs of students, faculty, and staff of USF. In addition, the System also has a responsibility to serve the educational, cultural, business, and professional information needs of the citizens of USF's service area and the national academic community.

The USF library system contains over 1,500,000 volumes, and the SUS libraries together contain over 10,000,000 volumes of information resources. Books and periodicals are cataloged and arranged on open shelves using the Library of Congress Classification System. Books may be checked out with renewal privileges; periodicals may not be checked out.

Library User Information Service (LUIS), the online catalog, may be searched by author, title, subject, and keyword to identify the library's holdings. LUIS contains records for the USF libraries, all nine SUS libraries in Florida, online catalogs worldwide, and serves as a gateway to over 50 periodical and full-text databases. Terminals located in various USF libraries provide access to the online catalog. Remote access to the same catalog is also possible through any campus terminal linked to the USF mainframe or via dial-in procedures.

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

More information about the USF Library System is available on the World Wide Web at <http://www.usf.edu/academic.html>.

### Tampa Campus Library

Central to the philosophy of the Tampa Campus 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 Campus Library contains a collection of more than 900,000 volumes, 4,500 periodicals and 2 million 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, with service provided at the Reference desk. Reference librarians assist students and faculty in using all types of information sources: print, media, microform, computer, CD-ROM, on-line. Reference librarians offer computer searches of on-line databases to students and faculty on a cost recovery basis. Some of these same databases may be searched at no cost by using the LUIS catalog or CD-ROM databases in the Reference area. Reference librarians provide classroom presentations in two state-of-the-art computer labs and teach LIS 2001 Information Resources and Library Research. CALL/USF, the library's information service to the community, offers document delivery to USF users. There is a fee for CALL/USF services.

**Periodicals Collection:** The Periodicals Collection is on the second floor. In addition to more than 4,500 periodicals, the library has selected newspapers from Florida, from major cities in the U.S., and from some foreign countries. A large collection of materials is available in microformat, also located on the second floor. These unique research collections provide access to many important sources otherwise only accessible at other libraries. The library has both a microfiche reproduction service and self-service photocopying equipment.

**Government Documents:** The Library serves as a selective depository for U.S. and Florida Government publications and acquires United Nations committee reports on microfiche. These documents are augmented by the acquisition of selected publications of other public agencies. The Government Documents

Department houses these collections and is located on the basement level. Topical displays of documents are featured frequently in the department. The Government Documents unit is also a U.S. patent depository library.

**Special Collections:** The fourth floor Special Collections Department houses the library's rare books, maps, documents, manuscripts, and the University Archives. With more than 1 million items, the Department contains a number of nationally significant research resources, including the papers of Florida's governors, congressmen, and other key leaders. Other important collections include the nationally recognized Children's Book Collection, the NationsBank Black Sheet Music Collection, and the extensive holdings of mutual aid societies and immigrant history materials. These rich resource items are in closed stacks, but with assistance are available at the Special Collections service desk.

**Access Services (Circulation, Interlibrary Loan, Reserve, and REC: Regional Exchange Center):** The Access Services' Circulation and Reserve departments are located on the first floor. The Reserve collection, containing books and articles "reserved" at faculty request for use of a particular class, is available at the Reserve service desk. Circulating books that are shelved on the third through fifth floors can be checked out at the service desk. The Library uses an automated circulation system which facilitates easy and quick check out of books. A statement of the Library's circulation policy is available at the Access Services desk on the first floor.

**University Media Center and Lab:** The University Media Center (UMC) provides media materials for instruction, research, and curriculum support. Videocassettes, sound recordings, slides, transparencies, kits, and other audio-visual formats as well as music scores are available for loan. The UMC Audio-Visual Lab provides equipment to utilize all media in the collection, including large projection screen multimedia classrooms. The UMC houses video lectures supporting distance learning programs, including the Open University, Engineering FEEDS, and the Instructional Television Fixed Service (ITFS).

More information about the USF Library System is available on the World Wide Web at <http://www.usf.edu/academic.html>.

### ACADEMIC COMPUTING

Academic Computing provides services in direct support of instruction and research. Support for USF's "corporate" computing, including all aspects of student records, is provided by Information Technologies. All USF students are provided with computing accounts, email and Internet access upon request. Contact the appropriate college support group or Academic Computing.

### Systems and Facilities

There are several locations on campus where small computers are maintained in open access labs. These labs may also provide access to the second tier computing facilities and the Internet. Second-tier facilities include a variety of UNIX servers operated by the colleges and Academic Computing. In many cases the individual Colleges have support groups. Students and faculty should regard these groups as their PRIMARY resources for computing information. When no local group is available or when the general academic facilities are involved, Academic Computing will provide assistance.

### Programming Languages

Compilers for the usual range of applications are available on a variety of machines across campus. Guidance is available concerning access to the compilers, but we are not able to provide programming assistance. There are some exceptions to this. For numerically intense applications, the mathematical packages, and certain statistical programming languages, help is available.



**Applications Software**

For second tier computing, the principal applications available deal with mathematics, statistics and database activities. Support is available in each of those categories. In the PC area, support is available for a variety of common office applications and free classes are provided for many of these. See the www site for details and registration or contact Academic Computing.

**User Services**

There are service groups within many of the colleges and units. Users are encouraged to seek help from these groups first, because of the intimate knowledge of local systems. For IBM 9672 problems, or those associated with USF's corporate or student record activities, call Information Technologies. Users with problems associated with Novell networks should also seek help from Information Technologies if no local help is available. In general, faculty and students may seek help from Academic Computing if no local help is available. The exceptions are for problems dealing with student records and administrative computing, supported by Information Technologies.

**INFORMATION TECHNOLOGIES/CFRDC**

USF is the host institution for a large scale computing facility designated as the Central Florida Regional Data Center (CFRDC). This facility operates as a computing utility within the SUS and provides instructional, research, and administrative computing support for the University and numerous other agencies. CFRDC is a division within Information Technologies (IT) and its support staff consists of Computer Operations, Voice Network Operations, and Technical Support. Computing accounts are established through the IT Financial Services 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, providing MVS VM operating system environments, in addition to a UNIX platform, and large NT and Netware file and print servers. CFRDC manages and operates the campus-wide Backbone Network providing access to research facilities on campus and the world via SURANET. PC's and workstations are available at various locations on campus. In addition, remote access workstations are located at the St. Petersburg, Sarasota, Lakeland, and Fort Myers campuses. Terminals, microcomputers, printers, and other associated equipment are also maintained in "open use" areas to enable students, faculty, and staff access to the network and central site processing support. These remote open use areas may vary in their scheduled hours of operation but, generally speaking, each provides significant amounts of access, normally seven days a week.

**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. The third most watched public TV station in Florida, TV16 provides high-quality educational, instructional, informational, cultural, and public affairs television programming and services to viewers in the greater Tampa/St. Petersburg/Sarasota areas including Polk, Pasco, and Hernando Counties, as well as USF faculty, staff, students, and other educational agencies. The station is a member of the Public Broadcasting Service (PBS), Southern Educational Communications Association (SECA), Florida Public Broadcasting Service Inc. (FPBS), American Public Television Station Inc. (APTS), and WUSF-TV16 is a charter member of the Program Resources Group Inc. (PRG).

**WUSF(FM) 89.7MHz** (Tampa/St. Petersburg) is a member supported noncommercial public radio station serving USF and its campuses and surrounding communities with 24 hours a day of classical music, jazz, educational, and news and information programming. The station is a member of National

Public Radio (NPR), American Public Radio (APR), Florida Public Broadcasting Service Inc. (FPBS), and Southern Public Radio (SPR). The station's program service covers a region that includes 1/3 of the population of Florida. WUSF operates the WSFP-FM program service under an agreement with Florida Gulf Coast University, bringing this high quality service to southwest Florida.

The **WUSF and WSFP Radio Reading Service (RRS)** broadcast daily readings of newspapers, magazines, and other materials from Tampa, Sarasota, and Fort Myers for the print and physically disabled. More than 300 volunteers provide material on a 24-hour schedule. RRS airs on sub-carrier frequencies of WUSF-FM and WSFP (FM); qualified listeners receive the programming on special crystal-tuned receivers, loaned from the RRS. The Service also provides the University community with ADA-required cassette recordings of print material for use by print-handicapped persons.

**INSTITUTE ON BLACK LIFE**

As an outgrowth of the University of South Florida's concern for and commitment to cultural diversity, the Institute on Black Life was established in the Fall of 1986, under the Office of the Provost, to serve as a bridge between USF and the global community. The main purpose of the Institute on Black Life is to serve as a vehicle to utilize the research expertise of faculty, students, and staff to identify and assist in the needs for research, training, and program development that will enhance the economic, educational, social, political and religious life of the community. The Institute on Black Life provides support and encouragement for African-American and other minority students, faculty, and staff through scholarships, fellowships, research grants, conferences, and program development. The Institute accomplishes its mission through three major components: research, development, and University/community service.

The Institute on Black Life maintains a highly professional applied research program. Faculty from various disciplines conduct research in the areas of cultural diversity and other issues critical to the quality of life.

Funding to support research projects is sought through contracts, grants and private foundations. This support assists in either the initiation of new projects or in providing resources to faculty and student research that is already in progress. The Institute holds workshops, seminars and conferences to discuss the findings of its research projects.

The Development component links the Institute with the private sector to establish support for students through scholarships, fellowships, book funds, and program development. The Institute on Black Life seeks funds from private foundations, corporations, and community organizations to assist in recruiting and retaining minority students.

The Institute develops community enhancement programs concerned with minority issues. These programs include a Speaker's Bureau, lectures, workshops, seminars, forums and conferences. These programs are offered in conjunction with civic, non-profit organizations, local government agencies and businesses/corporations.

**Center for African Diaspora**

In November 1992, The Institute on Black Life initiated an agreement between the University of South Florida and the International Center for Bantu Civilizations (CICIBA) in Libreville, Gabon (Africa); thus becoming the first American university to officially affiliate with CICIBA. The Center for African Diaspora was established within the Institute on Black Life as an outgrowth of the CICIBA agreement. The Center is a major part of the Institute on Black Life's commitment and ongoing efforts to combine and provide more focus on African issues and activities. The mission of the Center is to promote research and cultural activities through educational, economic, and cultural exchanges between the University of South Florida students, faculty, scholars, and the community regarding the political and



socio-economic issues facing Africa and descendents of the African Diaspora.

### OFFICE OF RESEARCH

Creative research and scholarly activities are essential aspects of the undergraduate educational experience at USF. The promotion and administration of such is the responsibility of the Office of Research and its divisions, which provide services that enable USF faculty, staff, and students at all academic levels to be competitive in a dynamic research environment. The Office of Research administers both sponsored and non-sponsored activities and projects that include institutional research projects, research contracts and grants, patents and copyrights, federal and state research compliance regulations, USF's own internal award programs, economic development initiatives, public-private partnerships, participation on the local research and development authority, research park development, technology transfer, and research activities of affiliated hospitals and institutes.

From developing a grant proposal to filing a patent to removing biohazardous waste from laboratories, 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 experienced over the past ten years. In 1995/96, USF received over \$103 million in research funding—quite a feat when compared to the \$22 million received just 10 years ago.

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

### LOUIS DE LA PORTE FLORIDA MENTAL HEALTH INSTITUTE

The de la Porte Florida Mental Health Institute's (FMHI) mission is to strengthen mental health services in the State of Florida by providing research, training, and education on mental health services (Florida Statute 240.514).

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

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

FMHI offers undergraduate and graduate students field placements, internships, research assistantships, volunteer, and part-time employment opportunities. Students may earn academic credit for clinical placements, internships, tutorials, or independent research performed at the Institute in conjunction with USF courses. FMHI faculty teach credit courses in degree-granting programs in cooperation with other USF colleges.

FMHI's pre-doctoral internship program for psychologists is approved by the American Psychological Association. Undergraduate and graduate students participate in FMHI's Multicultural Mental Health Training Program designed to attract minority students to the mental health field.

### SCHOOL OF CONTINUING EDUCATION/ EDUCATIONAL OUTREACH

The School of Continuing Education extends the University's educational resources and services to the Tampa Bay region and provides noncredit and credit instructional programs for individuals, organizations, and businesses. In 1995-96 the School provided 722 continuing programs that served over 16,000 individuals. Over 35,000 hours of continuing education units were awarded representing 350,000 contact hours of direct institutional activity. The School provides coordination, logistical support and administrative oversight of all central and college-based continuing education programs to help the University fulfill its educational mission. During this year, the School will be re-organized as the Office of Educational Outreach, to serve better the University's mission and vision as a comprehensive metropolitan university.

#### Division of Special Programs

The Division of Special Programs (DSP) is an academic division of the School of Continuing Education for the conduct of credit courses for non-traditional students. PACE (Program for Adult Credit Education) is the primary administrative unit for DSP; administrative support is also provided to Overseas Study and MERIT (Multilingual Educational Resources, Information and Training).

DSP/PACE is an administrative unit for the non-traditional delivery of both undergraduate and graduate classes. Methods of delivery include, but are not limited to: off-campus classes offered with instructors coming to the site, concentrated format classes, weekend classes on campus, and electronic transmission of regular USF classes to remote sites.

PACE provides administrative support for departments and colleges within the University as they meet the community's professional educational needs, e.g. licensure, certification, or other professional credit continuing education. The Division also works with area businesses, school boards, and organizations to offer credit courses to their employees, often by contract with a sponsor. Through its "Forum USF" program, PACE serves as an academic outreach into business, educational and community organizations.

The Division also administers MERIT, a program to meet the needs of public school boards and their employees for training in working with Limited English Proficient students.

All courses delivered by PACE are listed in the USF undergraduate or graduate catalog and are taught by USF instructors. Students in PACE programs must meet all USF admissions, academic standing, and graduation requirements. All registration is handled through PACE (1) at the first and last class meeting of each PACE course every semester, (2) at orientation sessions, or (3) during regular office hours in the PACE office. Textbooks are delivered to the various sites for each class. Academic counseling and advice are also available.

Payment for PACE courses is made directly to PACE, usually by mail. Costs are ordinarily a bit higher than regular Tampa Campus rates to cover additional expenses incurred in coordinating and offering a largely off-campus program. VISA and MasterCard are accepted by phone or in person on campus (but not at off-campus locations) as payment for course fees.

The Division exists as a means for the University to respond quickly and flexibly to the needs of the USF service area for credit courses that cannot be conducted through the University's usual offerings. Consequently, the Division is receptive to adding new programs to its activities.

For details on any of these programs, contact the Division of Special Programs, University of South Florida, 4202 E. Fowler Ave., MGZ 144, Tampa, Florida 33620-6610; e-mail: [pace@conted01.conted.usf.edu](mailto:pace@conted01.conted.usf.edu).

### Overseas Study Programs

The Overseas Study Programs Office coordinates the vast majority of the University's overseas study offerings. Study abroad consists of two major types: (1) residential programs at noted international colleges and universities or accredited language institutes, and (2) tours of a country or region that are preceded by several weeks of classroom study.

Residential programs up to a semester in length are directly sponsored by USF in France and Costa Rica. More than two dozen other overseas study locations are available to USF students through consortial programs. Summer term residential programs are conducted by USF in Cambridge, England; Perugia, Italy; Madrid, Spain; Berlin, Germany; Moscow, Russia; and Puebla, Mexico.

The typical study tour consists of lectures of a specific topic by USF faculty in advance and while overseas. All tours are led by USF faculty with experience and academic expertise in the country(ies) toured. Past destinations include Africa, Australia, China, Egypt, Great Britain, Israel, Russia, and South America.

All residential and study tour programs are open to the general public as well as USF students; all programs include an academic course that may be taken on a credit or audit basis. The Overseas Study Office is a cooperative program between the International Affairs Center and the School of Continuing Education.

For details on USF Study Abroad, contact the Overseas Study Programs Office, 4202 E. Fowler Avenue - CPR 107, International Affairs Center, USF, Tampa FL 33620-5550, telephone (813) 974-4043.

### Division of Lifelong Learning

The Division of Lifelong Learning offers courses, services, and programs designed to meet the personal improvement, career, and cultural needs of individuals. Courses are non-credit and include special interest, certificate programs, computer skills, professional development and test preparation. Various non-credit educational programs (workshops, seminars, short courses, etc.) are scheduled through the year by the colleges of the University and the School's Division of Lifelong Learning, making it possible for the University to serve greater numbers of people of all ages with richer and more diversified programs. The programs vary in length from one day to ten weeks, and the subject matter is concentrated as needed for the group being served.

The Continuing Education Unit (CEU) is awarded to participants who successfully complete programs that are sponsored by the School of Continuing Education and approved by an academic unit. Transcripts indicating awarded CEU's are available on written request.

The Division of Lifelong Learning develops programs for business and industry, government, professional, civic, and service groups. A variety of instructional methods is used to assure maximum participation. Distinguished faculty members from USF and other institutions of higher education, and national and international resource persons serve as consultants, instructors, and lecturers for the programs.

Professional program coordinators are available to provide technical assistance in program planning, budget preparation, and evaluation, and to assist organizations in developing programs consistent with the needs of the group and the overall educational objectives of the University.

The Florida Center for Writers, a joint project of the Department of English and the Division of Lifelong Learning at USF,

was established to foster an appreciation of literature and to help writers of all levels master their craft. The Center sponsors the annual Florida Suncoast Writer's Conference and Florida Suncoast Writers' April Workshop, ongoing classes in writing, the publication of *Sunscripts: Writing from the Florida Suncoast Conference and Workshop*, and various lectures and readings.

### Mediation Institute

The USF Mediation Institute provides Florida Supreme Court approved courses used for certification in family and circuit civil mediation. In addition, the Mediation Institute provides educational programs that incorporate conflict resolution skills in parenting classes for divorcing families; juvenile dependency mediation; orientation materials for mediating parties; advanced mediation training; and assistance in developing training programs in emerging areas of conflict resolution through mediation.

For further information, contact the USF Mediation Institute, USF School of Continuing Education, 4202 E. Fowler Avenue, MGZ 144, Tampa, FL 33620-6600.

### Community Music Division

The USF Community Music Division is a full-service community music school and a member of the National Guild of Community Schools of the Arts. Utilizing facilities of the School of Music, the Division also uses music facilities in selected area schools and brings quality music instruction to various neighborhoods. The Division provides non-credit instruction for children and adults in both private and group settings. The school year is divided into two semesters of fourteen weeks each plus a summer session. Programs range from pre-school music classes through adult private instruction.

Dedicated to providing the highest quality musical instruction, the Division has a talented teaching staff comprised of musicians active as both teachers and performers. These include Florida Orchestra members in addition to leading community-based music teachers and free-lance musicians. For details, contact the USF Community Music Division, 4202 E. Fowler Avenue, MGZ-144, Tampa, FL 33620-6610. Ph. 813/974-5792.

### Division of Conferences and Institutes

The Division of Conferences and Institutes develops and coordinates short-term programs (conferences, institutes, workshops, symposia, and seminars) consistent with the needs of specific groups and organizations to broaden their professional competencies. This division serves the academic and administrative units of the University as well as organizations such as business and industrial firms, government agencies, schools, professional organizations, and other interest groups.

Organizations that require only management support during the conference itself, as well as those that require a full complement of services, can be accommodated by the Division. Professional program coordinators provide assistance with conducting needs assessments, technical program design, program budget development, instructional resources, brochure preparation, logistics, registration, recording of Continuing Education Units, on-site program management, program evaluation, and certificates.

For details, contact the Division of Conferences and Institutes, USF, 4202 E. Fowler Avenue, Tampa, FL 33620-6600, telephone 813-974-5731, fax 813-974-5421; e-mail [laura@conted.usf.edu](mailto:laura@conted.usf.edu).

### Division of Senior Programs

The Division of Senior Programs initiates and coordinates programs for adults of retirement age. Many of these programs are planned in conjunction with seniors who play an active volunteer role in facets of the programs. Programs include:

**Senior Citizen Tuition Waiver Program:** Florida residents who are 60 years of age or older by the first day of a respective

semester may take certain undergraduate or graduate courses on a space available basis without paying tuition. Academic credit is not awarded, examinations are not required, and grades are not given. An orientation-registration is held at the beginning of each semester. Peer advisors are available for advising.

**SeniorNet:** An international, non-profit organization, SeniorNet is for seniors age 55 and over who are interested in learning to use computers. Members who join SeniorNet share and exchange knowledge and interest with members through an online network. Members may take courses taught by senior volunteers with extensive computer experience. Courses and fees are described in information sent to seniors who ask to be on a SeniorNet mailing list.

**Learning in Retirement Institute:** As an outgrowth of Elderhostel, the Learning in Retirement Institute builds on the motivations and experiences of adults in retirement as they continue learning, expanding their horizons and enhancing their personal development. Learners develop intellectually stimulating educational programming within an organizational structure which distinguishes the Institute as an educational community of older learners. Learners must be members of the Institute and pay fees for study groups each semester. Membership information, study groups and study group leaders are described in information available to seniors who request inclusion on the LIR mailing list.

Other programs and courses are offered each term. For details on all Senior Programs, contact Division of Senior Programs, USF, 4202 East Fowler Avenue, MGY 153, Tampa, FL 33620-6600; e-mail [lee@conted01.conted.usf.edu](mailto:lee@conted01.conted.usf.edu).

#### **The English Language Institute**

##### **- College of Arts and Sciences**

The English Language Institute offers intensive English as a Second Language (ESL) to non-native speakers of English. Students are given a placement test upon registering for the program. This test determines the proficiency level into which the student is placed, ranging from elementary, low-intermediate, high-intermediate, to advanced pre-university ESL.

Students attend non-credit classes 25 hours a week. The curriculum includes training in English pronunciation, listening comprehension, spoken English, grammar drills, reading comprehension, and composition skills. Students who complete Advanced ESL usually score above 500 on the Test of English as a Foreign Language (TOEFL).

The English Language Institute is authorized to issue the Certificate of Eligibility (I-20) to students who require a Student Visa (F-1) and who meet criteria set forth by the United States Immigration and Naturalization Service.

The cost of the program is \$2,485.00 per semester. There is an additional non-refundable \$50.00 application fee.

For complete details, contact the English Language Institute, USF, Tampa, FL 33620, or call (813) 974-3433; fax (813) 974-2769.



# COLLEGE OF ARTS AND SCIENCES

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

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

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

Great universities provide direction for their communities and service for their needs. The faculty of the Arts and Sciences and 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 steppingstone of applied knowledge.

## ADMISSION TO THE COLLEGE

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 Programs and Curricula.

Undergraduate students must submit a formal application for admission into the College. This usually occurs during Orientation and Advising for New Students. This application is also available in the Arts and Sciences' Office of Academic Affairs (SOC 102) for continuing students. Following admission, students are counseled by an academic adviser in his/her major field. Students preparing for a science or mathematics career must plan their courses carefully because of the sequential nature of the science curricula, and students seeking entrance into a professional school or the medical technology internship program require specialized counseling. Therefore, immediate application for admission into the College is strongly recommended.

Information on admission criteria, departments, majors, programs, counseling and other services of the College may be obtained from the Office of Academic Affairs (SOC 102), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620.

## CASPER

The College of Arts and Sciences Program for Emergency Relief (CASPER) is the ombudsperson program in the college for freshmen. The CASPER staff is dedicated to assisting freshmen in the college to overcoming academic and personal problems which might contribute to leaving USF during the first year. CASPER also sponsors a social event for freshmen and faculty in the college to allow time for faculty-student interaction in a non-academic setting. For more information call 974-6957 and ask for CASPER.

## TRANSFER CREDITS

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.

Students enrolled in the College of Arts and Sciences must receive prior approval to take courses at another institution to apply toward a degree at USF. However, the College of Arts and Sciences does not permit students to count credits earned at another institution toward a degree from USF while on temporary or permanent academic dismissal from USF.

## GENERAL REQUIREMENTS FOR DEGREES

The College of Arts and Sciences offers three undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. A minimum of 120 semester hours credit (124 semester hours for Mass Communications) with an overall average of 2.0 or better in all work completed at the University of South Florida must be attained in order to earn the undergraduate degree. The Bachelor of Independent Studies is an external degree program in which the student proceeds at his/her own pace.

### IT IS YOUR RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS.

1. You must complete at least 120 accepted semester hours with an overall gpa of 2.000. Mass Communications requires 124 hours for the 1987-88 catalog and after.
2. You must have an overall major gpa of 2.000. Note: in Mass Communications you must have a 2.500 gpa in major courses in the 1989 catalog or after, Social Work requires a 2.75 major gpa.
3. You must complete the Foreign Language Entrance Requirement if you entered USF fall semester, 1987 or later. If you are pursuing a B.A. degree, you must complete the Foreign Language Exit Requirement
4. If you first enrolled in a college in January, 1983 or after, you 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. You must satisfy Liberal Arts Requirements.  
General Education Requirements (36)  
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)  
Six (6) hours credit in Major Works and Major Issues  
Three (3) hours credit in Literature and Writing
6. Elective Physical Education is limited to 2 semester hours.
7. ROTC is limited to 9 semester hours.
8. Maximum of 20 hours of S/U option; none in major courses.
9. The Audit option is available only during the first 5 days of classes; none permitted later.
10. You must complete at least 9 semester hours during summer terms if you entered USF with fewer than 60 semester hours.
11. "D" grades are not acceptable in the major and supporting sciences for all natural sciences majors. "D" grades are not acceptable for the major area in Communication Sciences and Disorders, Psychology, Social Work, Sociology, Mass Communications, English, History, Humanities, and Communication. Only one "D" is allowed in the major for Criminology. (Important! All grades including "D"s and "F"s are used to calculate all Arts and Sciences major gpa.)
12. You must satisfy all major course requirements.

13. You must complete a minimum of 40 hours of upper-level courses (numbered 3000 or above). Most of the major hours fit here. Lower-level course work from 2-year or 4-year schools, though equivalent to a 3000-level course at USF, does not meet this requirement.
14. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement. The departments of Biology, Chemistry, Mathematics, and Physics have established minimum major course hours to be taken in residency at USF. See the department section of the catalog for the required hours. There must be a minimum of 80 hours (90 for Mass Communications) outside of your major department for all majors in arts and letters and social sciences.
15. You must take and pass the CLAST (College Level Academic Skills Test) exam the semester in which you achieve or pass 45 semester hours or in your first term as an upper level transfer student. Only students with a baccalaureate degree or who have a previous exemption do not have to take the test. (If not passed by 70 hours, remediation will be required. You may still take other courses. If not passed by 96 hours, contact the Office of Evaluation and Testing for further information regarding course work.
16. A maximum of 14 hours of non-degree seeking hours (special student classification) will count for graduation.
17. All USF degree seeking and non-degree seeking students are bound by the drop policy. From the second through the ninth week of classes (time period is different in summer-check class schedule) and between 0-59 semester hours, 3 drops are allowed and between 60 semester hours and graduation 3 more drops are allowed. Students classified as 5 (usually second degree seekers) are also allowed only 3 drops. Additional drops above these numbers result in an automatic "F" grade. Drops within the first 5 days of classes are not considered. Students can drop classes by telephone or by submitting a drop form to the Registrar's Office. Total withdrawal from all classes in a term is not considered toward the drop limitation. After the ninth week or for additional drops students must petition the Academic Regulations Committee (ARC).
18. Students must be in attendance the first day each class meets for all classes registered before classes begin. Failure to attend will result in an automatic drop from the class. *Do not use this policy as a way to drop classes.* Submit a drop slip or drop by telephone. Mandatory First Day Attendance policy is *not* in effect for any classes for which registration occurs during the first week. Open University courses and certain other categories of courses as indicated in the Schedule of Classes *must* be dropped with a drop slip or by telephone.
19. Students are allowed to repeat a course in which a B, C, D or F has been earned and have only the second grade of A, B, C, or D count in the gpa by submitting a Grade Forgiveness Form. A maximum of 3 grade forgiveness are allowed and grade forgiveness may be used for a course only once. Note: Both the original and repeated courses must be taken at USF. All grades (transfer and USF) are considered for honors.
20. Students are in good academic standing unless the grade point average falls below a 2.000 for USF courses. (Transfer grades are not considered.) The first semester the gpa falls below a 2.000 students are placed on academic probation (AP). If the gpa is not raised to a 2.000 the next term of enrollment, students are temporarily dismissed and may re-enroll after one term. Students in this category (TAD) upon returning to USF must achieve a 2.000 in courses taken during the term and raise the USF gpa to a 2.000 after 2 terms. Failure to achieve a 2.000 after 2 terms will result in a permanent dismissal (PAD). A gpa below 1.000 with 12 or more total hours attempted at USF will result in an immediate permanent dismissal. Students who have documentation to support readmission may petition the Academic Regulations Committee.

21. Courses taken at another institution while a USF student must be approved in advance (Transient Student/Cross Enrollment Form). No credit will be given for courses taken at another institution while on dismissal from USF.

Turn in your graduation application to SOC 102 during the 1st to the 4th week of the semester in which you plan to graduate. Applications are not accepted late.

### The Departmental Minor

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 departments/programs: Africana Studies, American Studies, Anthropology, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Foreign Languages, Geography, Geology, Gerontology, History, Humanities, International Studies, Linguistics, Mathematics, Philosophy, Political Science, Psychology, Religious Studies, Sociology, and Women's Studies. In general, these require half as many hours as are required for the major. There are certain restrictions that apply to students earning a minor: (a) students who major and minor in the social sciences and arts and letters may not use courses in the major for the minor or for general distribution requirements; and (b) ISS majors may not earn a minor in any of the social and behavioral sciences incorporated in their contracts. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under Programs and Curricula.

### S/U Grades

In the College of Arts and Sciences some courses have S/U grading as an option. S/U contracts must be negotiated in writing within the first three (3) weeks of the term.

A maximum of 20 hours of optional S/U credits may be counted towards the 120 hours (124 hours for Mass Communications) needed for the degrees. None of the 20 credits may be taken in the student's major unless S/U is the only grading option. Freshman English may not be taken S/U.

## PROGRAMS LEADING TO THE BACCALAUREATE DEGREE

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

### Bachelor of Arts

Africana Studies (AFA)  
 American Studies (AMS)  
 Anthropology (ANT)  
 Biology (NSB)\*  
 Chemistry (CHM) (NSC)\*  
 Classics - Latin (CLL) - housed in Division of Languages and Linguistics



Classics - Latin/Greek (CLS) - housed in Division of Languages and Linguistics  
 Communication (SPE)  
 Criminology (CCJ)  
 Economics (ECN)  
 English (ENG)  
 French (FRE)  
 Geography (GPY)  
 Geology (GLY)  
 German (GER)  
 Gerontology (GEY)  
 History (HTY)  
 Humanities (HUM)  
 Interdisciplinary Classics (ICL) - housed in Division of Languages and Linguistics  
 Interdisciplinary Natural Sciences:  
 Biology (INB)  
 Chemistry (INC)  
 Clinical Laboratory Sciences (INL)  
 Geology (ING)  
 Mathematics (INM)  
 Physics (INP)  
 Interdisciplinary Social Sciences (ISS)  
 Communication Sciences and Disorders  
 Speech-Language-Hearing Concentration (ISH)  
 American Sign Language Concentration (ISA)  
 Educational Interpreter Concentration (ISI)  
 International Studies (INT) - housed in Government & International Affairs  
 Italian (ITA)  
 Liberal Studies (ALA)  
 Mass Communications (COM)  
 Mathematics (MTH, MAE\*)  
 Philosophy (PHI)  
 Physics (NSP\*, PHY)  
 Political Science (POL) - housed in Government & International Affairs  
 Psychology (PSY)  
 Religious Studies (REL)  
 Russian (RUS)  
 Sociology (SOC)  
 Social Science Education (SSE)\*  
 Spanish (SPA)  
 Women's Studies (WST)

#### Bachelor of Science Degree

Biology (BIO)  
 Chemistry (CHS)  
 Environmental Science and Policy (ESP)  
 Geology (GLY)  
 Gerontology (GES)  
 Medical Technology (MET)  
 Microbiology (MIC) - housed in Biology  
 Physics (PHS)

**Bachelor of Social Work Degree (B.S.W.)**  
 Social Work (SOK)

**Bachelor of Independent Studies (B.I.S.)**  
 Independent Studies (BIS)

\*Offered jointly with the College of Education.

#### Honors Programs

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

### 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 register as special rather than as degree-seeking students. For more information, contact the Coordinators of Advising in the College office.

#### Certificate in Latin American and Caribbean Studies

The College of Arts and Sciences offers a Certificate in Latin American Studies for students who wish to gain an intensive multi-disciplinary understanding of this important area.

The Certificate in Latin American and Caribbean Studies is designed for the student who wants to learn more about the region and have that knowledge formally recognized in his or her 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 plus at least 3 hours of relevant foreign language credit. One course must be taken in each of four areas: 1) Anthropology, 2) Geography/Government & International Affairs, 3) History, and 4) Art/Humanities/Literature. A fifth course can be taken from a listing of other courses or from one of the four core areas. Students must take at least one of the indicated surveys (\*). If ANT 4162 and ANT 4163 are both taken, they will also count as the required survey.

Students must also either demonstrate proficiency in a Latin American or Caribbean language other than English or have completed at least two semesters in that language (e.g., Spanish I and II, and/or Spanish III and IV). It is very strongly recommended that students who already know Spanish learn Portuguese or another Latin American or Caribbean language.

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

The following courses fulfill the certificate requirement. However, these should be considered as a partial list only. The student is strongly encouraged to consult with the advisor of the Certificate Program about 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 4495 Methods in Cultural Research\*\*\*

##### 2) Geography/Government & International Affairs

GEA 3300 Geography of Middle America  
 GEA 3400 Geography of Latin America\*  
 CPO 4930 Latin American Politics\*  
 LAS 3002 Latin America\*  
 INR 4931 Americas (TV)\*  
 INR 4931 Latin America through Film  
 CPO 5934 Selected Topics: Latin America

##### 3) History

LAH 2734 Latin American History in Film  
 LAH 3130 Colonial Latin America  
 LAH 3200 Modern Latin America\*  
 LAH 3430 History of Mexico  
 LAH 3470 History of the Caribbean  
 LAH 3480 History of Cuba  
 LAH 3930 US/Latin American Relations

##### 4) Art/Humanities/Literature

ARH 4796 Latin American Art  
 HUM 4462 Ancient Latin American Culture  
 HUM 4464 Latin American Culture Since 1492\*  
 SPN 3520 Spanish American Civilization\*



- SPW 3030 Introduction to Hispanic Literature  
 SPW 4131 Survey of Spanish American Literature\*  
 SPT 2524 Women Writers of Latin America (may also be taken in 5, but may not be taken for credit in both areas)

**5) Others**

- ECO 4935 Selected Topics: Economics of Latin America  
 SPN 5525 Modern Spanish American Civilization  
 SPW 5135 Colonial Spanish American Literature  
 SPW 5355 Spanish American Drama and Poetry  
 SPW 5387 Spanish American Prose  
 SSE 4380 Global & Multicultural Perspectives in Education  
 SPT 2524 Women Writers of Latin America (may also be taken in 4, but may not be taken for credit in both areas)

\*Students must take at least one of the indicated surveys

\*\*ANT 4162 and ANT 4163 may be taken together as the required survey course

\*\*\*Field School

When the student has completed the above requirements, the Latin American Studies Coordinator will recommend the student for the Certificate, which will be awarded upon the successful completion of all degree requirements for the major.

Information and advice about the certificate program may be obtained from the Latin American Coordinator. Call 974-3547. The program is open to all majors in all colleges.

**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 (Russian or another Slavic language (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 3002 Introduction to Comparative Politics (4)  
 ECO 4323 Marxist Political Economy (3)  
 EUH 3571 Russian History to 1865 (4)  
 EUH 3572 Russian History from 1865 to Present (4)

**International Studies-Geography-Philosophy.**

Six to eight hours from the following courses:

- EUS 3022 Russia (3)  
 GEA 3554 Geography of the USSR (4)  
 INR 5086 Issues in International Relations (3)  
 INR 3018 World Ideologies (3)  
 INR 3770 Comparative Military Systems (3)  
 PHP 4788 The Philosophy of Marxism (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)\*

\*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 Asian Studies****Requirements for the 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 are as follows:

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

**Courses credited toward the Asian Studies Certificate:****Group A -****Art:**

- ARH 4530 (4) ARH 4796 (4)

**Humanities:**

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

**Languages:**

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

**Religion:**

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

**Group B -****Geography:**

- GEA 3194 (4)\*

**History:**

- ASH 3404 (4) ASH 3501 (4)

**Int'l Studies:**

- ASN 3012 (3) ASN 3014 (3) ASN 3105 (3)  
 INR 4900 (1-3)\* INR 4910 (1-3)\* INR 4931 (1-4)\*

**Political Science:**

- CPO 4930 (3)\* CPO 5934 (3) INR 5086 (3)

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

The advisor for the Certificate in Asian Studies is Professor Renu Khator. She may be contacted at SOC 363, 974-5019, and by e-mail: khator@luna.cas.usf.edu.

**Special Non-Degree Program**

The HUMAN SERVICES courses are designed for students interested in careers in the human sciences and services, and may be taken in conjunction with any major or by special students. These courses are coordinated by the Department of Gerontology, and the courses are listed as:

- HUS 3001 HUS 4020 HUS 4100

**HEALTH PROFESSIONS**

The University of South Florida is an excellent location to prepare for a health profession. The Veterans Administration Hospital, University of South Florida Medical Center, Shriner's Hospital for Crippled Children, H. Lee Moffitt Cancer Center and Research Institute, University of South Florida Mental Health Institute, and University Community Hospital are within walking distance of the campus and offer students excellent opportunities for observation, research, and experience.

The College of Arts and Sciences offers programs designed to prepare students for admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, podiatric medicine, and veterinary medicine. Usually these professions require four years of preprofessional preparation followed by four years of training in a professional school. A few well prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of preprofessional work. The preprofessional programs do not meet requirements for a degree, but students should plan to also complete a degree while at USF because, while not specifying a major, professional schools prefer students with a bachelor's degree. Most preprofessional students major in the sciences because of their interests in the health sciences, and because of the considerable overlap between the preprofessional curriculum and the degree requirements for majors in the biology and chemistry departments. Entrance into all professional schools or programs is competitive, and students should begin establishing a record of excellence with the first semester at USF. Furthermore, it is essential that students pursue courses developing a sense of understanding of cultural and humane values and basic social problems.

The College of Arts and Sciences provides academic advising in the Health Professions Advising Office. The office maintains a library of current catalogs and books on admission requirements for professional schools and is an important resource center for preprofessional students. Students considering one of the health professions should contact the College of Arts and Sciences during the first semester at USF to declare their interest in a health professions program. Students are then assigned to the Health Professions Advising Office for curriculum planning, and each semester the office provides students with updated academic records. At the time of application to professional schools, students are provided information about admission tests and the application process, and they are assisted in the process of obtaining faculty evaluations.

### Pre-dental - Pre-medical - Pre-podiatry Program

This program is designed to prepare students for admission to professional schools of dentistry, medicine, osteopathic medicine, and podiatric medicine. All of these professional schools have in common the following course requirements, which should be completed by the end of the junior year, the usual time of application:

#### Biology:

BSC 2010, 2010L (3,1) BSC 2011, 2011L (3,1)

#### Chemistry:

CHM 2041 (3) CHM 2210 (3)  
CHM 2045L (1) CHM 2210L (2)  
CHM 2046 (3) CHM 2211 (3)  
CHM 2046L (1) CHM 2211L (2)

#### Physics:

PHY 2053 (3) )  
PHY 2053L (1) ) or ( PHY 2048 (3)  
PHY 2054 (3) ) PHY 2048L (1)  
PHY 2054L (1) ) PHY 2049 (3)  
PHY 2049L (1)

In addition to these requirements it is generally expected that preprofessional students will complete two semesters of English and mathematics appropriate for their degree. Some schools require calculus and some require one or two courses in biochemistry. CLEP credit usually is not acceptable to professional schools.

The following courses are recommended by some professional schools:

#### Biology:

MCB 3030C (4) PCB 3023, 3023L (3,1)  
PCB 3063, 3063L (3,1) PCB 4723, 4723L (3,1)  
PCB 5235 (3) ZOO 2713C (4)  
ZOO 4603 (4) ZOO 4753C (4)

### Chemistry:

BCH 3023 (3) BCH 4034 (3) CHM 3120C (4)  
CHM 3400 (3) CHM 3401 (3)

An early admission program has been established in affiliation with the University of Florida College of Dentistry, which would allow students to be admitted to dental school after three years at the University of South Florida, completing a baccalaureate degree and dental school in a total of seven years. In order to be eligible for early admission to the College of Dentistry, a high school student must be accepted by the University of South Florida and must meet the following requirements: overall high school gpa of no less than 3.4, as computed by the University of Florida; total SAT of no less than 1200, or ACT of no less than 28, or EACT of no less than 29; high school science gpa of no less than 3.0 with courses completed in both biology and chemistry; apply during the senior year of high school and be approved for admission by the College of Dentistry Admissions Committee following a formal interview. Following admission into the joint program, final acceptance to the College of Dentistry is contingent upon the student completing all required courses; earning a gpa of no less than 3.2 for all courses attempted and no less than 3.0 for courses in biology, chemistry, physics, and mathematics; and completing the Dental Admissions Test with a score of no less than 15 on each section of the test. It is also possible for students to apply for early admission during the freshman and sophomore years at the University of South Florida. Additional information is available in the Health Professions Advising Office.

### Pre-optometry Program

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

#### Biology:

BSC 2010, 2010L (3,1) BSC 2011, 2011L (3,1)  
MCB 3030C (4)

#### Chemistry:

CHM 2041 (3) CHM 2045L (1) CHM 2046 (3)  
CHM 2046L (1) CHM 2210 (3) CHM 2210L (2)  
CHM 2211 (3) CHM 2211L (2)

#### Mathematics:

MAC 2233 (4)  
STA 2023 (4) or STA 2122 (3)

#### Physics:

PHY 2053 (3) PHY 2053L (1) PHY 2054 (3)  
PHY 2054L (1)

Most schools require at least one semester of psychology (PSY 2012). Students should check requirements of individual schools and complete requirements for those schools where they plan to apply for admission.

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

### Pre-veterinary Medicine Program

The pre-veterinary medicine program meets admission requirements of the University of Florida College of Veterinary Medicine, the only veterinary school in the state. Admission into veterinary school is highly selective, and to be competitive

students should obtain experience working with animals, preferably through employment with a veterinarian. Pre-veterinary students should complete a degree in the major of their choice while including the following entrance requirements:

**Biology:**

BSC 2010, 2010L (3,1)      BSC 2011, 2011L (3,1)  
MCB 3030C (4)      PCB 3063, 3063L (3,1)

**Chemistry:**

CHM 2041 (3)      CHM 2045L (1)      CHM 2046 (3)  
CHM 2046L (1)      CHM 2210 (3)      CHM 2210L (2)  
CHM 2211 (3)      CHM 2211L (2)      BCH 3023 (3)

**Mathematics:**

MAC 2233 (4) and MAC 2234 (4) or MAC 2311 (4)  
STA 2023 (4)

**Physics:**

PHY 2053 (3)      ) or (      PHY 2048 (3)  
PHY 2053L (1)      )      PHY 2048L (1)  
PHY 2054 (3)      )      PHY 2049 (3)  
PHY 2054L (1)      )      PHY 2049L (1)

It is required that students have a minimum of 80 hours including 6 hours of English composition, 6 hours of social science, 9 hours of humanities, and 8 hours of animal science courses, which must be completed at the University of Florida. Recommended courses are ZOO 2713C (4), ZOO 4603 (4), and PCB 4723, 4723L (3,1).

**B.A. Degree for Early Admission Students**

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

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

1. Transfer of a minimum of 30 semester hours in science courses from an accredited medical or dental school.
2. Fulfillment of the following minimum requirements in attendance at the University of South Florida:
  - a. 90 hours with at least a "C" average (2.000).
  - b. Completion of a minimum of 24 hours in the department of major concentration and a minimum of 16 hours in supporting courses in sciences outside the department of major concentration. The 24 hours in the department of major concentration must be in courses applicable to a major in that department. The 16 hours in supporting courses must also be taken in courses applicable to a major in that department and must include a minimum of two courses at the 3000 level or above. At least a "C" must be earned in each course in both major concentration and supporting courses.
3. Credit in the following courses:

**Biology:**

BSC 2010, 2010L (3,1)      BSC 2011, 2011L (3,1)

**Chemistry:**

CHM 2041 (3)      CHM 2045L (1)      CHM 2046 (3)  
CHM 2046L (1)      CHM 2210 (3)      CHM 2210L (2)  
CHM 2211 (3)      CHM 2211L (2)

**Physics:**

PHY 2053 (3)      ) or (      PHY 2048 (3)  
PHY 2053L (1)      )      PHY 2048L (1)  
PHY 2054 (3)      )      PHY 2049 (3)  
PHY 2054L (1)      )      PHY 2049L (1)

4. A minimum of 20 credits from the following courses:

**Biology:**

MCB 3030C (4)      PCB 3023, 3023L (3,1)  
PCB 3063, 3063L (3,1)      PCB 4723, 4723L (3,1)  
PCB 5235 (3)      ZOO 2713C (4)  
ZOO 4603 (4)      ZOO 4753C (4)

**NOTE:** Students in the University Honors Program who are admitted early to USF's College of Medicine will complete Physiology at the College of Medicine in the Spring of the

junior year and will receive 6 semester hours of credit for PCB 4723, 4723L listed above.

**Chemistry:**

BCH 3023 (3)      CHM 3120C (4)  
CHM 3400 (3)      CHM 3401 (3)

**Mathematics:**

MAC 2233 (4)      ) or (      MAC 2132 (4)  
MAC 2234 (4)      )      MAC 2311 (4)  
STA 2023 (4)      )      MAC 2312 (4)

5. Completion of the University Liberal Arts requirements and foreign language requirement for the B.A. degree.
6. The last 30 credit hours prior to transfer to a medical or dental school in residence at the University of South Florida. Application for the baccalaureate degree must be received no later than two years from the date of entrance into the professional school.

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

• **Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students are encouraged to complete the A.A. degree and include the following courses, if available, during the program of study at the community college:

One year each, if offered, of:

General Biology	
(BSC 2010, 2010L and BSC 2011, 2011L)	8
General Chemistry	
(CHM 2041, 2045L and CHM 2046, 2046L)	8
Organic Chemistry	
(CHM 2210, 2210L and CHM 2211, 2211L)	8-10
General Physics	
(PHY 2053, 2053L and PHY 2054, 2054L or PHY 2048, 2048L and PHY 2049, 2049L)	8
College Mathematics	
(some schools require calculus)	8

Depending upon the professional school, additional science courses may be required or strongly recommended as indicated in the preceding sections. Exposure to a health profession is also strongly recommended.

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

**TEACHER EDUCATION PROGRAMS**

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

**B.A. Degree Program for Secondary School Teachers**

The College of Arts and Sciences in cooperation with the College of Education offers degree programs in Mathematics (MAE), in Biology (NSB), in Chemistry (NSC), in Physics (NSP) and in Social Science Education (SSE). Because requirements exist in both colleges, a student will have an advisor in each college. At the outset, the planned courses in mathematics and science must be approved by the student's advisor in the College of Arts and Sciences.

There are two options available to the student to satisfy the science portion of the program:

1. The student may complete the requirements of the departmental major. The departmental requirements of Biology, Chemistry, Mathematics, and Physics are found in this section



of this catalog under the respective headings in Biology, Chemistry, Mathematics, and Physics.

2. The student may complete requirements of the Interdisciplinary Natural Sciences major with concentration in Biology, Chemistry, Physics, and Mathematics. A complete description of this major is found in this section of this catalog under the heading Interdisciplinary Natural Sciences.

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

## PROGRAMS AND CURRICULA

### ■ AFRICANA STUDIES (AFA)

Africana Studies is a liberal arts program which offers both a major and a minor. This program provides all students with the opportunity (1) to study the history, culture and lived experiences of people of African descent in the United States, Africa, the Caribbean, and elsewhere; (2) to study the influence of Africa and people of African descent on world and U.S. thought, culture, and politics; (3) to study the social construction and consequences of race and racism; (4) to develop needed critical thinking skills to address the often narrow and Eurocentric bias in the current knowledge base; and (5) to examine their personal experiences, prejudices, and possible contributions in a multi-racial, multi-cultural society.

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

#### • Requirements for the Major in Africana Studies

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:

##### *Required Core Courses for all areas (15 cr. hours):*

AFA 2000 (3)    AFH 3200 (3)    AMH 3572 (3)  
AFH 3100 (3)    AMH 3571 (3)

##### *Required Electives (select 21 cr. hours):*

##### **African-American Studies** (suggested)

AFA 4331 (3)    ANT 4340 (3)    PUP 3313 (3)  
AFA 4335 (3)    AML 3604 (3)    HUM 2420 (3)  
AMS 3700 (3)    PHM 4120 (3)    AFA 4931 (1-3)

##### **African Studies** (suggested)

AFS 2250 (3)    CPO 4244 (3)    INR 4254 (3)  
AFA 4150 (3)    INR 4254 (3)    PHI 4073 (3)  
CPO 4204 (3)    HUM 2420 (3)    AFA 4931 (1-3)

##### **Africana Studies** (suggested)

AFA 4331 (3)    ANT 4340 (3)    PHI 4073 (3)  
AFA 4335 (3)    CPO 4204 (3)    PHM 4120 (3)  
AFS 2250 (3)    CPO 4244 (3)    PUP 3313 (3)  
AML 3604 (3)    HUM 2420 (3)    AFA 4931 (1-3)

#### • Requirements for the Minor in Africana Studies

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

##### **Africana Studies** (Minimum of 18 hours):

##### *Required Core Courses (select 9 cr. hours)*

AFA 2000 (3)    AFH 3100 (3) or AFH 3200 (3)  
AMH 3571 (3) or AMH 3572 (3)

##### *Required Electives (select 9 cr. hours)*

AFA 4150 (3)    AML 3604 (3)    INR 4254 (3)  
AFA 4335 (3)    ANT 4340 (3)    PHI 4073 (3)  
AFA 4931 (3)    CPO 4204 (3)    PUP 3313 (3)  
AMS 3700 (3)    HUM 2420 (3)

##### **African-American Studies** (Minimum of 18 hours):

##### *Required Core Courses (9 cr. hours)*

AFA 2000 (3)    AMH 3571 (3)    AMH 3572 (3)

##### *Required Electives (select 9 cr. hours)*

AFA 4150 (3)    AML 3604 (3)    PHM 4120 (3)  
AFA 4331 (3)    AMS 3700    PUP 3313 (3)  
AFA 4335 (3)    ANT 4340 (3)  
AFA 4931 (1-3)    HUM 2420 (3)

##### **African Studies** (Minimum of 18 hours)

##### *Required Core Courses (select 9 cr. hours)*

AFH 3100 (3)    CPO 4204 (3)  
AFH 3200 (3)    INR 4254 (3)

##### *Required Electives (select 9 cr. hours)*

AFA 4150 (3)    CPO 4244 (3)    INR 4254 (3)  
AFA 4931 (1-3)    HUM 2420 (3)    PHI 4073 (3)

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above.

If you transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, you must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

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

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

### ■ ANTHROPOLOGY (ANT)

Anthropology aims at comprehending people as biological and social beings. It is concerned with all forms of people through time and space. One consequence of this broad-ranging view is the presence within anthropology of four branches: physical anthropology, archaeology, cultural anthropology, and linguistics. Exposure to anthropological information and the cross-cultural perspective produces heightened sensitivity in the student to the world about him/her. This helps the student to adopt an intellectual posture of disciplined skepticism with respect to any scheme which purports to define and account for regularities in human life.

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.

The Center for Applied 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, social and environmental impact assessment, and public policy analysis.

### • Requirements for the Major in Anthropology

The major in Anthropology consists of a minimum of 33 credit hours. ANT 2000 is prerequisite to all subsequent courses. ANT 3100, ANT 2410, ANT 3511 and ANT 3610 are required as intermediate level training in the main subdivisions of the field, and ANT 4034 and ANT 4935 complete the specific requirements. Majors are required to complete a minimum of 12 hours of 4000-level elective coursework, including courses from at least three of the four subfield areas shown below.

#### Archaeology

ANT 4153 (3)	ANT 4180 (4)	ANT 4124 (4)
ANT 4162 (3)	ANT 4181 (4)	ANT 4158 (4)
ANT 4172 (3)	ANT 4163 (3)	

#### Physical Anthropology

ANT 4520 (3)	ANT 4552 (3)	ANT 4583 (3)
ANT 4587 (3)		

#### Anthropological Linguistics

ANT 4620 (3)	ANT 4750 (3)
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#### Cultural Anthropology

ANT 4226 (3)	ANT 4312 (3)	ANT 4442 (3)
ANT 4231 (3)	ANT 4316 (3)	ANT 4462 (3)
ANT 4241 (3)	ANT 4324 (3)	ANT 4495 (3)
ANT 4302 (3)	ANT 4340 (3)	ANT 4705 (3)
ANT 4305 (3)	ANT 4432 (3)	MUH 4054 (3)

Anthropology majors are urged to become competent readers and speakers of a relevant foreign language, to acquire communicative and quantitative skills appropriate to their interests, and to achieve at least a minimal level of computer literacy. Exceptions to course prerequisites require the consent of the instructor.

Required Core Courses (21 cr. hrs.)

ANT 2000 (3)	ANT 3511 (3)	ANT 4034 (3)
ANT 3100 (3)	ANT 3610 (3)	ANT 4935 (3)
ANT 2410 (3)		

### • Requirements for the Minor in Anthropology

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

1. 2000-level required core course (3 cr. hrs.)  
ANT 2000 (3)
2. Intermediate level core courses (3-6 cr. hrs.)  
ANT 2410 (3) ANT 3100 (3) ANT 3511 (3)  
ANT 3610 (3)
3. 4000-level elective courses (9-12 cr. hrs.) (as described above)

### • Requirements for the Anthropology Honors Program

The purpose of the Honors Program is to provide outstanding Anthropology undergraduates with advanced, individually tailored training in areas of anthropology of interest to them. The program, operating independently of the major itself, involves a year of coursework and research culminating in the writing of an Honors thesis. Students in the second semester of their Junior year, prior to completion of 90 semester hours, may apply to the program, which begins in the Fall semester.

Admission is competitive, based on the student's overall academic record (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 major GPA levels, 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.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete two lower level, introductory courses in Anthropology prior to entering the University. If not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade.

## ■ BACHELOR OF INDEPENDENT STUDIES (BIS)

The Bachelor of Independent Studies (BIS) Program is the State University System External Degree Program. The universities currently involved are Florida International University, Florida State University, the University of Florida, the University of North Florida, and the University of South Florida. The administrative office for the statewide program is located at USF in Tampa.

Founded in 1968, the external degree program is for adults who find it difficult to attend regular university classes because of career or family commitments. The BIS student proceeds at his/her own pace and, for the most part, in his/her own setting. The exception is the summer seminars which require periodic, short-term campus residence.

### Curriculum

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

### Tutorials

The tutorial or guided independent study is predominantly print intensive, with core and suggested readings drawn from the BIS Guide to Independent Studies. In the Humanities tutorial, for example, the student reads across the disciplines of the Humanities Study Area which include Language, Literature, Philosophy, Art, Drama, and Architecture. Selected works are reviewed within the framework of historical periods. Tutorial objectives include knowledge of the basic principles of each of the genres and periods, the ability to visualize



relationships between the disciplines, grasp of the nomenclature of the disciplines, and the capacity to apply basic concepts to current issues. The student is responsible for systematic interaction with the faculty mentor who directs the reading process and evaluates the student's progress.

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

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

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

### Seminars

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

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

Students in all seminars may be asked to read materials related to the seminar theme prior to the seminar and to complete written assignments after the completion of the two-week seminar period. Seminars meet for two consecutive six-day weeks and activities take up a full day. Further study and assignments occupy the evening hours.

### Undergraduate Thesis

The fourth study area or Inter-area Study calls for a synthesis of the first three study areas via the preparation and defense of an undergraduate thesis. The student begins the Area with Inter-area reading leading to the completion of an

undergraduate thesis prospectus under the direction of a primary adviser. Following approval of the prospectus by a committee composed of three faculty, the student writes the study under the direction of the committee chairperson. The final step is to complete successfully an oral examination on the thesis.

### Admission Procedures

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

### Mechanisms for Recognizing Prior Learning

Program policy allows for recognition of prior learning. Applicants, for example, who demonstrate sufficient competence may waive up to a maximum of two areas of guided independent study. Applications for waivers are processed after pre-enrollment procedures have been completed.

Individuals with an A.A. degree from a State of Florida community or junior college, and Registered Dental Hygienists, Registered Nuclear Medicine Technologists, Registered Nurses, Registered Radiologic Technologists, and Registered Respiratory Therapists with an A.S. degree from a state-approved program qualify for a "two-plus-two interface" with BIS requirements. In other words, those with an appropriate associate's degree complete two substantive study areas involving two tutorials and two seminars. The two study areas (Social Sciences & Natural Sciences or Humanities & Social Sciences or Natural Sciences & Humanities) are stipulated by the BIS Committee. The BIS Committee normally picks the two areas in which a student has the least background.

The Program is academically responsible to the Dean of the College of Arts and Sciences. The BIS Committee is advisory to the Provost.

For further information, contact the State University System, External Degree Program, Bachelor of Independent Studies (BIS) located at HMS 443, University of South Florida, Tampa, Florida 33620-8400. Telephone: 813-974-4058. E-mail: bis@luna.cas.usf.edu

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

### ■ BIOLOGY (BIO/MIC)

Two specific Bachelor of Science degrees, Biology and Microbiology, are available for students interested in the biological sciences. The B.S. in Biology allows students to concentrate in such areas as Ecology, Cell & Molecular Biology, Physiology, and Marine Biology. The degree is preparatory for careers in such areas as teaching, agriculture, medicine, dentistry, conservation, and biotechnology, or for post-baccalaureate study in the various life sciences. The B.S. in Microbiology provides students with the broad range of courses necessary to qualify for certification by the National



Registry of Microbiologists, American Society of Microbiology, and employment in microbiology and related fields.

In addition to a set of courses in biology, students must have a thorough preparation in other areas of natural sciences to be competitive for jobs or for further study beyond the baccalaureate. A modern biology curriculum is built on a foundation of mathematics, chemistry and physics. Students should study the requirements listed below and then make maximum use of the vigorous advising program maintained by the Department in structuring their programs. See the Undergraduate Program Assistant for further details of advising.

### • Requirements for the Biology B.S. Major (BIO)

1. Department of Biology Courses - minimum 40 credit hours
  - a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
  - b. PCB 3023, PCB 3043, and PCB 3063
  - c. ONE of the following: PCB 3023L, PCB 3043L, or PCB 3063L
  - d. ONE of the following (with laboratory): BOT 3373, MCB 3030, ZOO 3203, ZOO 3713, ZOO 4603, or ZOO 4753
  - e. ONE of the following (with laboratory): BOT 4503, MCB 4404, or PCB 4723
  - f. The remaining credit hours to meet the minimum requirements must come from among structured departmental courses that are applicable to the major and BCH 3023. At least eight (8) of these credit hours must be at the 4000 level or higher. A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.
  - g. A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.
2. Supporting Courses in the Natural Sciences - minimum 34 credit hours
  - a. CHM 2041, CHM 2045L, CHM 2046, and CHM 2046L
  - b. CHM 2210, CHM 2210L, CHM 2211, and CHM 2211L
  - c. MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR MAC 2311 and MAC 2312 OR MAC 3233 and STA 2023
  - d. PHY 2048, PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L
3. Liberal Arts Courses - minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

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

- 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.

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

1. Department of Biology Courses - minimum 42 credit hours
  - a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
  - b. PCB 3023, PCB 3023L, PCB 3043, and PCB 3063
  - c. MCB 3030, MCB 4115, MCB 4404, and MCB 4404L
  - d. Ten (10) hours from the following list: BOT 4434, MCB 4502, MCB 4652, MCB 4910, MCB 4934, MCB 5206, MCB 5815, PCB 5235, ZOO 5235, BCH 3023L
  - e. A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) or Biology Honors Thesis (BSC 4970) may be applied.
2. Supporting Courses in the Natural Sciences - minimum 37 credit hours
  - a. CHM 2041, CHM 2045L, CHM 2046, and CHM 2046L
  - b. CHM 2210, CHM 2210L, CHM 2211, and CHM 2211L
  - c. MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR MAC 2311 and MAC 2312 OR MAC 2233 and STA 2023
  - d. PHY 2048, PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L
  - e. BCH 3023
3. Liberal Arts Courses - minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

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

### Minimum Grade for Majors

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

### Biology Honors Program

The Honors Program provides a greater depth and breadth of knowledge to outstanding biology students, provides them an intense research training opportunity, and encourages them to pursue very high academic standards. In addition to satisfying requirements for the Biology or Microbiology degree, successful completion of the program requires a GPA of 3.5 in Department of Biology coursework, an overall GPA of 3.0 in USF coursework, and successful completion of BSC 4931, BSC 4932, and BSC 4402L. The culmination of the Honors Program is the completion and defense of an honors thesis. Invitation to participate in the Program will take place during the spring semester of each academic year. Criteria for selection include, but are not limited to, freshman/sophomore status; A/B in science courses at USF, including BSC 2010; and recommendation from BSC 2010L laboratory instructor. See the Honors Program Coordinator for further details of the program.

## CHEMISTRY (CHS/CHM)

The Department of Chemistry awards two degrees at the baccalaureate level, the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry, and three degrees at the graduate level, a non-thesis Master of Arts, the Master of Science and the Doctor of Philosophy. Each of the graduate degrees offers specialization in the areas of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry. In addition, a Master of Arts degree is offered as part of a carefully integrated accelerated B.A.-M.A. program. The chemistry faculty is comprised of 24 full-time members all of whom hold the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study which can be tailored to fit individual needs while maintaining a sound background in all general aspects of chemistry.

Majors in chemistry are well-prepared to enter a wide range of chemical careers as well as many interdisciplinary activities which are the hallmark of modern science and technology. These include teaching and research in academic, government and private settings, bio-medical research and clinical practice, environmental activities, materials science, law, business and other professions. The Bachelor of Science is particularly designed for students wishing to continue with graduate training in chemistry and closely-allied disciplines and graduates are certified for membership in the American Chemical Society. The Bachelor of Arts provides opportunities for curricula individually tailored to meet many career objectives.

### Requirements for the Majors in Chemistry

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

The required sequence of Chemistry courses should be started immediately in the freshman year and the mathematics and physics requirements should be completed before the junior year so that CHM 3400 (B.A. degree) or CHM 4410 (B.S. degree) can be commenced by that time. CHM 4410 is a prerequisite to other advanced courses required for the B.S. degree in chemistry. CHM 4060 also is a prerequisite to several B.S. degree courses.

**Liberal Arts Requirement.** The student is required to complete the University's Liberal Arts Requirement. Chemistry and Mathematics courses required for chemistry degrees satisfy the Liberal Arts requirements in the areas of Natural Science and Quantitative Methods.

**Free Electives.** Courses over and above the required courses should be taken to complete a 120-hour program. Recommended courses are listed in the degree requirements below. Additional courses in computer programming, economics, management, engineering, statistics, writing, and other applied disciplines are strongly recommended to strengthen the degree for subsequent professional employment.

### BA in Chemistry (CHM)

The B.A. degree in Chemistry provides a course of study for students whose careers will require a thorough understanding of chemistry required for a variety of professional activities such as in health-related professions, science teaching, business, law and other areas. Inherent in this program is a high degree of flexibility which permits tailoring a course of study to the student's own educational objectives. The B.A. student whose goals change in the direction of graduate study should supplement this curriculum by addition and/or substitution of a selection of advanced courses from the B.S. program.

Required Chemistry Courses (33 cr. hrs.)		
CHM 2041 (3)	CHM 2045L (1)	CHM 2046 (3)
CHM 2046L (1)	CHM 3610C (4)	CHM 2210 (3)
CHM 2210L (2)	CHM 2211 (3)	CHM 2211 L (2)
CHM 3120C (4)	CHM 3400 (3)	CHM 3401 (3)
CHM 3402L (1)		

Required Chemistry Electives (6 cr. hrs.)	
3000 level or above; may include not more than 1 hr. of CHM 4970.	

Suggested courses: BCH 3023, BCH 3023L, CHS 4310, CHM 4060, CHM 4070, CHM 4610, CHM 4970, CHM 4932\*.

\*Content varies each semester.

Required Supporting Courses		(14-16 cr. hrs.)
MAC 2311 (4)	) or (	MAC 2281 (3)
MAC 2312 (4)		MAC 2282 (3)
PHY 2053 (3)		PHY 2054 (3)
PHY 2053L (1)		PHY 2054L (1)

Required natural science or engineering electives (8 cr. hrs.)	
Suggested courses: BSC 2010, BSC 2011, GLY 2010, GLY 2100, EVR 2001, CGS 2060.	

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

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

Required Chemistry Courses (27 cr. hrs.)		
CHM 2041 (3)	CHM 2045L (1)	CHM 2046 (3)
CHM 2046L (1)	CHM 2210 (3)	CHM 2210L (2)
CHM 2211 (3)	CHM 2211L (2)	CHM 3120C (4)
BCH 3023 (3)	BCH 3023L (2)	



**Required Chemistry Electives.** (12 cr. hrs.)

Minimum of 12 hrs. selected from the following:

CHM 3400 (3)\* CHM 3610 (4)\* BCH 4034 (3)  
CHM 3401 (3)\* CHS 4310 (4)\* CHM 4060 (3)

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

**Required Supporting Courses** (22-24 cr. hrs.)

MAC 2311 (4)	) or (	MAC 2281 (3)
MAC 2312 (4)		MAC 2282 (3)
PHY 2053 (3)		PHY 2054 (3)
PHY 2053L (1)		PHY 2054L (1)
BSC 2010 (3)		PCB 3023 (3)
BSC 2010L (1)		PCB 3023L (1)

Other suggested electives important for advanced studies in biochemistry: CHM 4932\*, CHM 4070, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, MCB 4502, PCB 4253, PCB 5845, EVR 2001.

\*Content varies each semester.

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

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

**Required Chemistry Courses** (30 cr. hrs.)

CHM 2041 (3)	CHM 2045L (1)	CHM 2046 (3)
CHM 2046L (1)	CHM 2210 (3)	CHM 2210L (2)
CHM 2211 (3)	CHM 2211L (2)	CHM 3120C (4)
CHM 3400 (3)	CHS 4300 (3)	CHS 4301 L (2)
BCH 3023 (3)		

**Required Chemistry Electives.** (9 cr. hrs.)

Minimum of 9 hrs. selected from the following:

CHM 3400 (3) CHM 3401 (3) CHM 4060 (1)  
CHM 3610 (4) BCH 3023L (2) CHS 4310 (4)  
BCH 4034 (3)**Required Supporting Courses** (22-24 cr. hrs.)

MAC 2311 (4)	) or (	MAC 2281 (3)
MAC 2312 (4)		MAC 2282 (3)
PHY 2053 (3)		PHY 2054 (3)
PHY 2053L (1)		PHY 2054L (1)
BSC 2010 (3)		PCB 3023 (3)
BSC 2010L (1)		PCB 3023L (1)

Other suggested electives important for advanced studies in health professional vocations: BSC 2011, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, CHM 4932\*, PCB 4253, PCB 5845.

\*Content varies each semester.

**BS in Chemistry (CHS)**

The Bachelor of Science in Chemistry is a rigorous program which 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.

**Required Chemistry Courses** (50 cr. hrs.)

CHM 2041 (3)	CHM 2045L (1)	CHM 2046 (3)
CHM 2046L (1)	CHM 3120C (4)	CHM 2210 (3)
CHM 2210L (2)	CHM 2211 (3)	CHM 2211L (2)

CHM 3610C (4)	CHM 4060 (1)	CHM 4130C (4)
CHM 4131C (4)	CHM 4410 (3)	CHM 4411 (3)
CHM 4412 (3)	CHM 4610 (3)	BCH 3023 (3)

**Required Supporting Courses**

(20-23 cr. hrs.)

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

A natural science or engin. elective (except PHY 3020) (3)

Suggested courses: PHY 3101, BSC 3092, MAP 4302, CGS 2060, EVN 3001.

Other suggested Chemistry electives: CHM 4970, BCH 3023L, CHM 4070, CHM 4932\*.

\*Content varies each semester.

**Environmental Concentration:**

Chemical science is a core component of environmental science both in the analysis of environmental conditions and in the solution of environmental problems. B.A. and B.S. chemistry majors wishing to concentrate on environmental concerns should complete BSC 2011C and 2010C, GLY 2010 and 2010L, and EVR 2001 and 2001L. Electives that should be considered include GLY 4822, GLY 5246, STA 3023 and EVR 4910.

**Transfer Credit:**

It is strongly recommended that students transferring from community/junior colleges to the University of South Florida complete whole sequences of chemistry courses, such as general and organic chemistry, before the transfer. Even though courses may carry the same common course number, topics may vary sufficiently from school to school to leave the transfer student ill-prepared to proceed within a sequence.

**Teacher Education Programs:**

For information concerning the degree programs for secondary school teachers, see College of Education section this Catalog and junior college teachers, see USF Graduate Catalog.

**• Combined BA-MA Program Admission**

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

**Course Requirements**

Undergraduate: The B.A. coursework curriculum (q.v.) is augmented as follows:

1. CHM 4410, 4412, and 4130C (or CHS 4310C) replace CHM 3400, 3401 and 3402C.
2. Chemistry coursework hours (excluding research) total 42 rather than 41.
3. Natural sciences supporting coursework hours total 25 rather than 24.

Graduate: Not less than 20 credit hours of formal, regularly scheduled chemistry graduate courses, including not less



than two of the five core courses (BCH 5065, CHM 5225, CHM 5425, CHM 5621, CHM 6150). At least 10 of the credit hours must be at the 6000 level. The core course requirement may be waived in part or entirely by recommendation of the supervisory committee on the basis of past work, performance on a test, or substitution of more comprehensive and advanced courses.

### Research and Thesis

CHM 4970 (12) CHM 6973 and CHM 6971 (10)

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

### Supervision and Promotion

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

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites) for B.A./B.S. in Chemistry

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

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

CHM X046/X046L General Chemistry II or CHM 1046C, or 1046E

MAC 2311 Calculus I

MAC 2312 Calculus II

CHM 2210/2210L Organic Chemistry I (with lab) or CHM 2210C

CHM 2211/2211L Organic Chemistry II (with lab) or CHM 2211C

PHY 2048/2048L General Physics I with Lab or PHY 2048C, or PHY 2053C

PHY 2049/2049L General Physics II with Lab or PHY 2049C, or PHY 2054C

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

### ■ 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. The requirements for the Communication major are:

#### I. Prerequisites (3 hours)

This course is a prerequisite for declaring the communication major.

SPC 2600 Public Speaking (3)

#### II. Core Distribution Requirements (12 hours)

Students must take each of these four courses as early as possible in the major. These courses are prerequisites for taking many of the more advanced courses in the respective areas.

COM 2000 Introduction to Communication (3)

ORI 2000 Introduction to Communication as Performance (3)

SPC 3301 Interpersonal Communication (3)

SPC 2541 Persuasion (3)

#### III. Area of Concentration (9 hours)

Students must take a minimum of nine hours in one of the three areas of concentration.

##### Performance Communication

ORI 3950 ORI 4931 ORI 4120

ORI 4310 SPC 4201

##### Interpersonal and Organizational Communication

COM 3120 COM 3014 COM 4124

COM 4942 SPC 3210 SPC 3441

SPC 3712 SPC 4431 SPC 4310

##### Public and Cultural Communication

COM 4030 SPC 3230 SPC 3513

SPC 3631 SPC 3653 SPC 4683

SPC 4632 SPC 4680 SPC 4714

#### IV. Departmental Electives (12) hours

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

### 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.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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

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

■ **COMMUNICATION SCIENCES AND DISORDERS (ISH, ISA, ISI)**

Undergraduate concentrations in the Communication Sciences and Disorders are available through the program of Interdisciplinary Social Sciences (ISS). Concentrations in Speech-Language-Hearing Science, American Sign Language, and Educational Interpreter Training lead to the B.A. degree. The undergraduate concentration in Speech-Language-Hearing Science (ISH) provides preprofessional study for Master's level preparation as a Speech-Language Pathologist, Audiologist, or Deaf Educator. The American Sign Language (ISA) concentration focuses on the study of deaf culture through the development of communicative proficiency in ASL and prepares individuals to work with the deaf in a variety of social service agencies. The Educational Interpreter Training (ISI) concentration prepares students to work in educational settings working with students who require assistance with educational skills due to their hearing impairment or deafness. Students interested in these concentrations should contact the department of Communication Sciences and Disorders regarding academic advising. The department also offers the Master's of Science (M.S.) degree in Speech-Language Pathology, Audiology, and Deaf Education, as well as a Ph.D. specialization in Speech, Language, or Hearing Science through the department of Psychology (Experimental Psychology). 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 (ISH)**

**A. General Information**

All undergraduates seeking enrollment in this concentration must be in good academic standing as undergraduate students at the University of South Florida. Prior to beginning coursework in the junior year in the concentration, most students should complete general academic distribution requirements, successfully pass the CLAST, and have achieved 60 semester hours of coursework. Students with advising concerns relative to their first 60 semester hours are encouraged to meet with undergraduate departmental advisors since required and recommended courses for admission into the ISH or ISA concentration will also meet other university requirements.

**B. Prerequisites for Admission**

1. Required Courses
 

BSC 1085	Human Anatomy and Physiology I
BSC 1085L	Human Anatomy and Physiology I Lab
BSC 1086	Human Anatomy and Physiology II
BSC 1086L	Human Anatomy and Physiology II Lab
or BSC 2092	Human Anatomy and Physiology
2. Recommended Courses  
LIN 3010 or LIN 3801 or CGS 2060  
Courses in this category should be completed with a

minimum grade of "C."

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

1. Required Courses (6-7 cr. hrs.)  
STA 2122 (3) or PSY 3213 (4) and ISS 3010 (3)
2. Additional Courses (3 cr. hrs.)  
SYG 2000 or ANT 2000 or equivalent

**D. Speech-Language-Hearing Concentration (ISH) (min. 39 cr. hrs.)**

Coursework is sequenced for the ISH concentration in Speech-Language-Hearing Science. All students must complete study in basic knowledge of the communication sciences and in basic knowledge of communication disorders. Upon admission to the concentration, each student will be assigned an advisor to provide guidance in academic planning.

The course of study includes:

- |              |               |              |
|--------------|---------------|--------------|
| SPA 3002 (3) | SPA 3112 (3)  | SPA 4222 (3) |
| SPA 3004 (3) | SPA 3110 (3)  | SPA 4363 (3) |
| SPA 3011 (3) | SPA 4050 (3)  | SPA 4562 (3) |
| SPA 3030 (3) | SPA 4201 (3)  |              |
| SPA 3101 (3) | SPA 4210 (3)  |              |
| SPA 3380 (4) | (Recommended) |              |

Students interested in teacher certification in deaf education must complete required education courses in addition to all ISS requirements listed under Sections B and C. Effective July, 1989, the academic requirement for employment in the public school system for Speech-Language Pathologists is the Master's degree.

**E. American Sign Language Concentration (ISA) (min. 30 cr. hrs.)**

*New students are not being admitted to the ISA Major for the 1997/98 year while the curriculum is being restructured.*

The ISA concentration seeks to educate students to communicate with the deaf and to apply this knowledge in work settings where knowledge of the deaf culture is essential for the provision of social services. This ISA concentration is not intended to prepare interpreters for the deaf although exceptionally proficient students may qualify as interpreters. This concentration also does not qualify students for admission into the M.S. programs in Speech-Language Pathology or Clinical and Rehabilitative Audiology, or Deaf Education. Those students choosing to become teachers of the deaf must pursue the ISH concentration in Speech-Language-Hearing Science and obtain the M.S. degree in Aural Rehabilitation/Deaf Education.

General admission requirements and recommendations for ISA are identical to the ISH concentration in Speech-Language-Hearing Science. The specific course of study for the ISA 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 3004 (3) | SPA 3030 (3) |
| SPA 3310 (3)         | SPA 3380 (4) | SPA 4332 (3) |
| SPA 4363 (3)         | SPA 4382 (4) | SPA 4383 (4) |
| Other electives (6). |              |              |

**F. Educational Interpreter Training Concentration (ISI)**

The ISI concentration seeks to educate students to become educational interpreters for deaf students in the public school system. A program of 42 credit hours is planned for the student majoring in the Educational Interpreter Training Concentration. Course content is distributed across five categories of information and skills necessary for a career in Educational Interpreting:

1. Roll of the Educational Interpreter in the Public School Setting
2. Cognitive, Psychosocial, and Language Development of Hearing and Deaf Children in Public Schools
3. Techniques and Applications of Educational Interpreting in the Public School
4. Professional Practices of the Educational Interpreter
5. Internship

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

The following courses are included in the major:

SPA 3001 (3)	SPA 3001L (1)	SPA 3003 (3)
SPA 3003L (1)	SPA 3004 (3)	SPA 3028 (3)
SPA 4386 (3)	SPA 4386L (1)	SPA 4387 (3)
SPA 4387L (1)	SPA 4371 (3)	SPA 4503 (4)
EDF 3214 (3)	EDG 4620 (3)	EEX 4070 (2-3)
EME 2040 (3)	ISS 3010 (3)	

#### Minimum Grade for Majors

A student must receive a "C" grade or better in all courses within the major and those that are required prerequisites. Any student who receives a grade of "D" or lower in more than two USF Communication Sciences and Disorders courses will be automatically barred from continuing as an undergraduate major in ISH, ISA, or ISI. 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 which comprise the second year of the major may not be repeated.

#### HONORS PROGRAM

The Honors Program in Communication Sciences and Disorders (ISA, ISH, ISI) 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 (ASL) must complete a minimum of 18 credits:

1. A minor must include these four courses:  
SPA 3380 - Basic ASL  
SPA 4382 - Intermediate ASL  
SPA 4383 - Advanced ASL  
SPA 4363 - Nature and Needs of the Hearing Impaired
2. In addition, a minor must include one of the following:  
SPA 4331 - Fundamentals of Finger Spelling  
SPA 4332 - Structure of Sign Language
3. Students transferring credit hours toward a minor in ASL 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.

#### • Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

Complete the A.A. degree at the community college. Some

courses required for the Speech-Language-Hearing (ISH) or ASL (ISA) major may also meet General Education Requirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university unless prior approval is secured.

Students entering the university without an A.A. degree and fewer than 60 semester hours of acceptable credit, must meet the university's entering freshman requirements including ACT and SAT test scores, GPA, and course requirements.

Students who plan to major in ISH and ISA are encouraged to complete the following prerequisites during the program of study at the community college:

I. ANT 2000	Introduction to Anthropology	3
or		
PSY 2012	Introduction to Psychology	3
or		
SYG 2000	Introduction to Sociology	3

#### II. And each of the following:

BSC 1085	Human Anatomy & Physiology I	3
BSC 1085L	Human Anatomy & Physiology I Lab	1
BSC 1086	Human Anatomy & Physiology II	3
BSC 1086L	Human Anatomy & Physiology II Lab	1
or equivalent work such as:		
BSC 3092	Human Anatomy & Physiology	5
STA 1023	Introduction to Statistics	4
(or equivalent)		

#### III. Complete the foreign language requirement

NOTE: Students who select ASL as their foreign language and are seeking a bachelor of arts degree in ASL are required by the Department of Communication Sciences and Disorders to complete satisfactorily at least one upper level course in ASL at the University of South Florida or to demonstrate proficiency in ASL.

IV. Admission to the program of study for Educational Interpreters 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. It is further recommended that the candidate will have completed a community college interpreter training program curriculum.

*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.

#### ■ CRIMINOLOGY (CCJ)

The major in Criminology provides students with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections, and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The program provides a solid background in the theory, issues and methodology comprising Criminology.

The objective of the undergraduate program in Criminology is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system. The program offers four areas of concentration within the major as well as a certification program in corrections.

#### • Requirements for the Major in Criminology:

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

CCJ 3024 (3)*	CCJ 3204 (3)	CCJ 3610 (3)*
CCJ 4501 (3)	CCJ 4934 (3)	

\* These are gateway courses and must be taken first.



In addition to the above, the student must select and complete the course requirements from within one of the four areas of concentration described below.

**1. Generalist:**

CCJ 3621 (3) CCJ 3701 (3) CCJ 4110 (3)  
CCJ 4273 (3) CCJ 4306 (3) CCJ 4700 (3)

plus a minimum of 9 hours of Criminology electives.

**2. Law Enforcement:**

CCJ 3701 or 4700 (3)  
CCJ 4110 (3) CCJ 4273 (3) CCJ 4306 (3)  
CCJ 4450 (3) CCJ 4511 (3) CCJ 4940 (3)  
CJT 4100 (3)

plus a minimum of 3 hours of Criminology electives.

Students may earn up to 6 hours toward their major by successfully completing a Florida Criminal Justice Standards and Training Commission (FCJSTC) approved Basic Recruit Training Academy in Law Enforcement as part of the internship experience within the Law Enforcement area of concentration.

**3. Corrections:**

CCJ 3701 or 4700 (3)  
CCJ 4110 (3) CCJ 4273 (3) CCJ 4282 (3)  
CCJ 4316 (3) CCJ 4331 (3) CCJ 4341 (3)  
CCJ 4306 (3) CCJ 4940 (3)

**4. Juvenile Justice:**

CCJ 3701 or 4700 (3)  
CCJ 3621 (3) CCJ 4511 (3) CCJ 4513 (3)  
CCJ 4540 (3) CCJ 4550 (3) CCJ 4652 (3)  
CCJ 4940 (3)

plus a minimum of 3 hours of Criminology electives.

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

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.

These residence requirements are designed to insure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.

Any student who receives a grade of "D" or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

**Certification in Corrections:**

The Department of Criminology offers a certificate in corrections. This certificate is recognized by the Florida Criminal Justice Standards and Training Commission (FCJSTC) and by the Florida Department of Corrections (FDOC) as satisfying some of the Basic Recruit Training objectives for Correctional Probation Officers (CPO). This certificate program consists of 21 semester hours comprised of the following courses: CCJ 3024 (3) CCJ 4282 (3) CCJ 4316 (3) CCJ 4331 (3) CCJ 4341 (3) CCJ 4306 (3) and CCJ 4940 (3). Students must receive approval from the department prior to starting their coursework within this certification program. The program is open to all USF students including Criminology majors and minors as well as to persons who have already received their baccalaureate degrees. All of the required coursework within this certification program must be taken at USF and all additional training requirements must be taken at an FCJSTC approved program in order to qualify as a Florida Correction Probation Officer. Students working toward corrections certification are also subject to the Department's "2 D" rule.

**• Requirement for a Minor in Criminology:**

The Department of Criminology offers a minor in Criminology. The minor consists of three required courses (CCJ 3024, 3204, and 3610) totalling 9 credit hours, and the selection of two of the following 3 hour courses (CCJ 4110, 4273, 4306, 4501) for a total of 15 semester hours. Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Students minoring in Criminology are subject to the Department's "2 D" Rule.

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

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

**Suggested Electives:**

ACG 2001	Accounting I	3
ACG 2011	Accounting II	3
AFA 2001	Introduction to the Black Experience	3
POS 1001	Introduction to Political Science	3
POS 2041	American National Government	3
POS 2112	State and Local Government	3
PSY 2012	Introduction to Psychology	3
SYG 2000	Introduction to Sociology	3

**■ ECONOMICS (ECN)**

Economics offers a clear and logical way of thinking about complicated issues such as unemployment, inflation, pollution, and crime. The department offers broad course choices allowing students to tailor their programs to provide training for professional careers in business, teaching, government, and law. Students interested in majoring or minoring in economics should contact the undergraduate academic advisor in the Economics Department for more information. The Department also offers a minor in economics.

**• Requirements for the Major in Economics:**

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 at least:

ECO 2013	Economic Principles: Macroeconomics	(3)
ECO 2023	Economic Principles: Microeconomics	(3)
ECO 3101	Intermediate Price Theory	(3)
ECO 3203	Intermediate Income & Monetary Analysis	(3)
ECO 4935	Economic Statistics	(3)
or QMB 3200	Business and Economics Statistics II	(3)
Economics electives numbered 3000 or higher		(18)

ECO 3100, Managerial Economics, may be substituted for ECO 3101. Either ECO 1000 (if taken before both ECO 2013 and ECO 2023) or QMB 2150 (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, ECO 3100 or ECO 3203 is a prerequisite. At least 9 of the 15 hours of upper level economics electives must be in courses for which either ECO 3101, ECO 3100 or ECO 3203 is a prerequisite. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF. Grades of "C" or better in ECO 2013 and ECO 2023 are required for graduation with a major in Economics. Economics majors working at the regional campuses cannot expect to fulfill all economics course requirements at those campuses.

#### • Requirements for the Minor in Economics:

Students from throughout the University may earn a minor in Economics by satisfactorily completing 18 hours in Economics including:

ECO 2013 Economic Principles: Macroeconomics (3)  
 ECO 2023 Economic Principles: Microeconomics (3)  
 Economics electives numbered 3000 or higher (12)  
 ECO 1000, if taken before both ECO 2013 and ECO 2023, may be substituted for 3 hours of upper level electives. Before being recognized as a minor in economics a student must obtain program approval by the Economics Department Undergraduate Advisor. A grade point average of 2.0 or higher must be achieved in minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor. At least 6 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 ECO 4935 Economics of Crime are strongly recommended. Additional courses of interest are: ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, ECP 3201 Economics of Women and Work.

The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test or applying for admission to law schools.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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.

ECO X013 Economic Principles II (Macroeconomics)  
 and

ECO X023 Economic Principles I (Microeconomics)

or

ECO XXXX Any level economics course, 3 semester hours,  
 and

ECO XXXX Any level economics course, 3 semester hours  
 Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

### ■ ENGLISH (ENG)

#### 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 in high demand and it is possible that registration space will not always be available.
2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus, or (b) who have failed but wish to repeat the test, must attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or doesn't attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year. These policies do not apply to first-time-enrolled students who can meet the Freshman English requirement with credit transferred from another institution or with appropriate AP English credit.

#### • Requirements for the Major in English:

The program in English provides options in English and American literature, creative writing, and professional and technical writing. The literature option covers the major periods of English and American literature. The creative writing option includes training in writing and coverage of English and American literature. 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 program 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. Students may not use more than one Directed Study toward meeting the major requirements.

#### OPTION I: English and American Literature.

Eleven courses (33 hrs.) as follows:

1. Both of the following:  
 AML 3031      AML 3032
2. Four of the following:  
 ENL 3015      ENL 3230      ENL 3251  
 ENL 3273      ENL 3331      or      ENL 3332
3. Five of the following, at least two of which must be at the 4000 level:  
 AML 3051      AML 3604      AML 4111  
 AML 4121      AML 4261      AML 4330  
 ENG 4013      ENG 4060      ENL 3015  
 ENL 3230      ENL 3251      ENL 3273  
 ENL 3331      ENL 3332      ENL 4122  
 ENL 4132      ENL 4171      ENL 4303  
 ENL 4311      ENL 4338      ENL 4341  
 LIN 4671      LIN 4680      LIT 3022  
 LIT 3043      LIT 3073      LIT 3101  
 LIT 3102      LIT 3144      LIT 3301  
 LIT 3374      LIT 3410      LIT 3700  
 LIT 4011      LIT 4930



**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. **FICTION OPTION** (33 hrs.)

All of the following:

CRW 3111      CRW 3112      CRW 3121  
CRW 3311      CRW 4120

Note: Except for CRW 3311, the courses above must be taken in sequence. CRW 3311 may be taken at any time after CRW 3111 is completed.

*Additional course requirements:*

The student must select six literature courses from those listed in OPTION I. Two courses must be from group "1," two more from group "2," and one from group "3." At least two of the courses must have either an ENL or LIT prefix.

2. **POETRY OPTION** (33 hrs.)

All of the following:

CRW 3111      CRW 3311      CRW 3312  
CRW 3321      CRW 4320

Note: Except for CRW 3111 the courses above must be taken in sequence. CRW 3111 may be taken at any time after CRW 3311 is completed.

*Additional course requirements:*

Same as for the Fiction Writing option above.

**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. Semester-long internships may be arranged by the English Department with local businesses, industries, and professional organizations. Interns will earn three credit hours and, in some cases, receive compensation for their duties.

Students choosing this concentration will also assure themselves of a core of liberal arts studies since they must take 21 credit hours of literature courses in addition to 15 hours of composition courses.

1. **Composition requirements:**

Five of the following:

CRW 2100      ENC 2210      ENC 3213  
ENC 3310      ENC 4260      ENC 4311  
ENC 4931

2. **Literature requirements:**

The student must select seven literature courses from those listed in OPTION I as follows:

Two courses from group "1," four courses from group "2," and one course from group "3."

• **Requirements for the Minors in English**  
**English and American Literature Minor (15 hours)**

1. **One of the following:**

AML 3031      AML 3032

2. **Two of the following:**

ENL 3015      ENL 3230  
ENL 3251      ENL 3273  
ENL 3331      or      ENL 3332

3. **One course at the 4000 level**4. **One additional 3000- or 4000-level course with AML, CRW, ENC, ENL or LIT prefix****Creative Writing Minor (15 hours)**

1. Either Form and Technique of Fiction (CRW 3111) and Fiction I, II, and III (CRW 3112, 3121, 4120) or Form and Technique of Poetry (CRW 3311) and Poetry I, II, and III (CRW 3312, 3321, 4320).

2. One AML or ENL course at the 3000 or 4000 level.

**Professional and Technical Writing Minor (15 hours)**

1. ENC 2210
2. ENC 4260
3. One AML or ENL course

4. **Two of the following courses:**

CRW 2100      ENC 3213      ENC 3310  
ENC 4311      ENC 4931

• **Program of Study at a Florida Community/  
Junior College or SUS School for Students  
Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ENC 1101 Freshman English I

ENC 1102 Freshman English II

or

Six semester hours earned in courses taught in the English Department, each with 6,000 words of evaluated writing for a total of 12,000 words.

## Suggested electives:

AMH 2010 American History I	3
AMH 2020 American History II	3
EUH 2021 Medieval History I	3
EUH 2022 Medieval History II	3

■ **ENVIRONMENTAL SCIENCE AND  
POLICY (EVR)**

The status of the earth's environment has become a major concern since the 1960s. As we proceed into 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, technological advances, and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites. The environmental industry is a growing arena for employment for degree holders at all levels.

The Bachelor of Science (B.S.) in Environmental Science and Policy degree was approved in summer of 1995. This interdisciplinary program spans multiple colleges within the University but is housed in the College of Arts and Sciences. The program is designed to provide a broad approach to an understanding of the environment and to the various problems associated with human intervention in natural systems. As we move into the next century, it is increasingly necessary that professionals who are employed in any aspect of the environmental industry be versed in a broad spectrum of topics overlapping several traditional disciplines. The curriculum combines principles of natural and social sciences in order to provide students with a wide variety of choices to satisfy the degree requirements. There are several required courses and also a wide selection of electives within the degree curriculum. After completing the core requirements, each student selects either the science track or the policy track for modest concentration. Each of these tracks has a combination of required courses and electives to provide this concentration.



The core is required for all majors. It includes a number of introductory courses and is capped by two courses taken in the last year: a seminar and either a research project or an internship. Students who elect the science track must further declare an option of earth science, life science, or physical science. Students who select the policy track may choose between economics, ethics, planning, or policy for further emphasis.

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

All students majoring in Environmental Science and Policy are required to see the advisor each semester prior to registration for the following term. The availability of elective courses that can be applied to the major changes regularly and all such courses must be approved by the program advisor.

#### CORE REQUIREMENTS FOR ALL MAJORS (41 hours)

All of the following:

EVR 2001	EVR 2001L	EVR 2861
BSC 2010C	BSC 2011C	CHM 2041
CHM 2045L	CHM 2046	CHM 2046L
PUP 4201	PHI 3640	EVR 4921

one approved statistics course

one approved geology or physics course with lab.

Plus: either EVR 4910 or EVR 4940

Select either the Science or the Policy track.

#### Science (18-24 hours)

MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR MAC 2311 and MAC 2312

plus 4 approved science/engineering electives: only one of which may be an introductory course and 3 must be selected from within one of these areas - earth science, life science, or physical science.

#### Policy (18-22 hours)

ECO 3302 and POS 3697 or CCJ 4260

plus 4 approved policy-related electives: only one of which may be an introductory course and 3 must be selected from within one of these areas - economics, ethics, planning, or policy.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students 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.

#### For Science Concentration only:

MAC 2233 & MAC 2234 Elementary Calculus	4
or	
MAC 2281 & MAC 2282 Engineering Calculus	4
or	
MAC 2311 & MAC 2312 Calculus	3

and

BSC 2010, 2010L & BSC 2011, 2011L Biology I and II with Lab	8
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and

CHM 2041 & CHM 2045L General Chemistry with Lab	4
CHM 2046 & CHM 2046L General Chemistry II with Lab	4

plus

STA 2023 Statistics	3
One approved Geology or Physics Course with Lab	4

#### For Policy Concentration:

BSC 2010, 2010L & BSC 2011, 2011L Biology I and II with Lab	8
CHM 2041 & CHM 2045L General Chemistry with Lab	4
CHM 2046 & CHM 2046L General Chemistry II with Lab	4

plus

STA 2023 Statistics	3
1 Approved Geology or Physics course with Lab	4

### ■ GEOGRAPHY (GPY)

The degree program in Geography provides options in Environmental Studies, Urban Studies, and General Geography. The Environmental Studies option focuses on major environmental systems including the geosphere, hydrosphere, atmosphere, pedosphere, and biosphere. Particular emphasis is put on the human modification of the natural environment and the global interconnections of the major earth systems. The Urban Studies option 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. The General Geography option offers instruction in a broad range of topics in geography, including both physical and human processes.

#### • Requirements for the Major in Geography

A major in geography consists of 37 credit hours as follows:

*Required core courses (21 credit hours):*

GEO 3013 (4)	GEO 4100C (4)	GEO 4933 (1)
GEO 3402 (4)	GEO 4114C (4) or GEO 4164 (4)	
Plus one course with a GEA prefix (4)		

*Supporting Courses (16 credit hours):* Students may select Option 1 (Environmental), Option 2 (Urban), or Option 3 (General).

#### Option 1: Environmental Studies

In addition to required Geography core courses, students in Option 1 select:

*Required:* GEO 4372 (4) and

*Two of the following (8 credit hours):*

MET 4002 (4)	GEO 4201C (4)	GEO 4280C (4)
MET 4010C (4)	GEO 4210 (4)	GEO 4340 (4)

*Any additional 4 credit hours in Geography excluding:*

GEO 3901	GEO 4900	GEO 1930
GEO 3931C	GEO 4910	

#### Option 2: Urban Studies

In addition to required Geography core courses, students in Option 2 select:

*Required:* GEO 3602 (4) and

*Two of the following (8 credit hours):*

URP 4052 (4)	GEO 4502 (4)	GEO 4604 (4)
GEO 4470 (4)	GEO 4700 (4)	

*Any additional 4 credit hours in Geography excluding:*

GEO 3901	GEO 4900	GEO 1930
GEO 3931C	GEO 4910	

#### Option 3: General Geography

In addition to required Geography core courses, students in Option 3 select:

*One of the following (4 credit hours):*

MET 4002 (4)	GEO 4210 (4)
MET 4010C (4)	GEO 4280C (4)

**One of the following (4 credit hours):**

GEO 3602 (4)	GEO 4460 (4)	GEO 4604 (4)
GEO 4421 (4)	GEO 4470 (4)	GEO 4700 (4)
GEO 4440 (4)	GEO 4502 (4)	

**Any additional 8 credit hours in Geography excluding:**

GEO 1930	GEO 3901	GEO 4900
GEO 3931C	GEO 4910	

**• Requirements for the Minor**

A minor in Geography consists of 16 credit hours, with a minimum grade-point average of 2.0. The required courses are:

GEO 3013 (4) GEO 3402 (4)

One upper level GEA elective (3000-5000 level) (4) and one upper level GEO, MET or URP elective (3000-5000 level) (4).

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

**Major and Supporting Courses:**

GEA 3005	Global Geography
GEO 3013	Introduction to Physical Geography
GEO 3402	Human Geography
GEO 4421	Cultural Geography

And any other geography course offered in the community college A.A.

**Electives:**

AMH 2010	American History I
AMH 2020	American History II
World Civilization I, II (EUH Courses)	
POS 2041	National Government
POS 2112	State and Local Government
GLY 2100	Geology
BOT 2010	Botany
ANT 2000	Anthropology

**■ 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 has two tracks, the Geology Track and the Environmental Geology Track. Both provide the student with a broad foundation in the basics of the science. The Geology track is designed for the student interested in pursuing graduate studies or employment in

industry and government agencies. The Environmental Geology track is designed for the student interested in the fields of hydrogeology or environmental geology. The Bachelor of Arts program is designed primarily for the liberal arts student who has interest in the subject but 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, carbonate geology, coastal geology, experimental mineral kinetics, geochemistry, hydrogeology, paleontology, and volcanology.

**• Requirements for the Major in Geology (B.A.)****1. Geology Courses (32 sem. hrs.)**

GLY 2010 (3)	GLY 3200 (4)	GLY 4550 (4)
GLY 2010L (1)	GLY 3400C (4)	GLY 4550 (4)
GLY 2100 (3)	GLY 3610 (4)	
GLY 2100L (1)	GLY 4310 (4)	

**2. Supporting Courses (22-28 sem. hrs.)**

- CHM 2041 (3) CHM 2046 (3)  
CHM 2045L (1) CHM 2046L (1)
- One year of calculus (MAC 2233, 2234 or 2311, 2212 or 2281, 2282)
- Two courses in biology or physics selected from:  
BSC 2010C (4) BOT 2010C (4)  
PHY 2053-2053L (4) or (PHY 2048-2048L (4)  
PHY 2054-2054L (4) (PHY 2049-2049L (4)

**3. Liberal Arts Requirements**

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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.****• Requirements for the Major in Geology (B.S.)****1. Geology Courses (32 sem. hrs.)**

GLY 2010 (3)	GLY 3200 (4)	GLY 4552 (4)
GLY 2010L (1)	GLY 3400C (4)	GLY 4550 (4)
GLY 2100 (3)	GLY 3610 (4)	
GLY 2100L (1)	GLY 4310 (4)	

**2. Geology Track or Environmental Geology Track (6-8 sem. hrs.)**

- The Geology track has a field geology requirement: A minimum six-week, six-hour field course, approved by the geology advisor.
- The Environmental Geology track requires:  
GLY 4822 (4)  
and GLY 4700 (4) or GEO 4210 (4)

**3. Supporting Courses (22-24 sem. hrs.)**

CHM 2041 (3)	CHM 2046 (3)
CHM 2045L (1)	CHM 2046L (1)
MAC 2281 (3)	MAC 2311 (4)
MAC 2282 (3)	MAC 2312 (4)
PHY 2048 (3)	PHY 2049 (3)
PHY 2048L (1)	PHY 2049L (1)

**4. Liberal Arts Requirements**

The student is required to complete the University's Liberal Arts Requirements.

**5. Free Electives 19-25 sem. hrs.**

The student will choose, in consultation with his/her Geology adviser, 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.



All geology majors are strongly urged to take a course in technical writing.

All entering students anticipating a major in Geology are advised to enroll in:

GLY 2010 GLY 2100 CHM 2041 CHM 2046  
GLY 2010L GLY 2100L CHM 2045L CHM 2046L  
in the freshman year and to seek curriculum counseling with a Geology advisor.

6. 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

A minor in geology consists of 16 credit hours and must include GLY 2010, GLY 2010L and GLY 2100, GLY 2100L. Additional courses, approved by the geology advisor, are designed to complement the student's major program. Only those courses which are acceptable toward the major in geology may be used toward the minor.

### 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.

### Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E  
CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E  
GLY 2010C Introduction to Physical Geology  
GLY 2100 History of the Earth and Life or other GLY course  
MAC 2311 Calculus I  
PHY 2048C General Physics and Laboratory I or PHY 2048/2048L  
PHY 2049C General Physics and Laboratory II or PHY 2049/2049L  
PHY 2053C Physics  
PHY 2054C Physics

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

## 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.

### Requirements for the Major in Gerontology (B.A.)

The Bachelor of Arts Degree in Gerontology entails 37 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 other than Nursing Home Administration.

#### Required Courses:

GEY 3000 (3)	HUS 4020 (4)	GEY 4640 (3)
HUS 3001 (3)	GEY 4327 (3)	GEY 4935 (3)
GEY 3601 (3)	GEY 4360 (3)	GEY 4945 (6)
GEY 3625 (3)	GEY 4401 (3)	

A required prerequisite is STA 3122.

B.A. students may, upon approval of the departmental advisor, arrange to complete the B.A. internship (GEY 4945) half-time over two semesters, or to substitute 6 hours of GEY electives for the internship. The departmental advisor will also consider other requests for course substitution as long as the 37 semester hours in Gerontology are attained.

### Requirements for the Major in Gerontology (B.S.)

The Bachelor of Science Degree in Gerontology is a 39 semester hour specialist degree which, in addition to providing students with a basic education in gerontology, is intended to prepare them for entry level positions in Nursing Home Administration. It is especially appropriate for students who intend to begin working immediately following completion of the degree program.

#### Required courses:

BUL 3320 (3)	GEY 4329 (3)	MAN 3025 (3)
GEY 3601 (3)	GEY 4360 (3)	MAN 3240 (3)
GEY 4327 (3)	GEY 4640 (3)	MAN 3301 (3)
GEY 4328 (3)	GEY 4945 (9)	

Students also complete the following twelve (12) hours of prerequisites: ACG 2021, ACG 2071, CGS 2000, and GEY 3000.

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.

The gerontology prerequisite can only be satisfied by a student's having taken GEY 3000 at this university or its equivalent at another institution. The prerequisites of accounting can be fulfilled by taking ACG 2021 and ACG 2071 at this university or comparable work at another institution.



Students interested in either the B.A. or the B.S. option should contact the Department as early as possible in their careers at the University of South Florida.

#### • Requirements for the Minor in Gerontology

An undergraduate minor in Gerontology is available for students interested in pursuing careers in conjunction with any undergraduate major, but it should be particularly beneficial to persons majoring in such disciplines as anthropology, communication sciences and disorders, government and international affairs, nursing, psychology, health care, social work, and sociology. Requirements for the minor in Gerontology are a total of 16 hours of the following upper-level courses:

GEY 3000 (3)    GEY 3625 (3)    HUS 4020 (4)  
GEY 3601 (3)    GEY 4360 (3)

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

For those seeking the Bachelor of Science degree, students complete the prerequisite courses listed below prior to be admitted to the upper-division major. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ACG X021    Financial Accounting or ACG X001  
ACG X071    Managerial Accounting or ACG X011 or ACG X630  
CSG X000    Computers in Business or EME X402, COC X317, CSG X101, X361, X001, or X060  
GEY X000    Introduction to Gerontology

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.

### ■ GOVERNMENT & INTERNATIONAL AFFAIRS (INT/POL/PAD)

The Department of Government and International Affairs includes programs in International Studies, Political Science, and Public Administration. Its goal is to provide students the opportunity to study the nature of government, politics and administration at the local, national and international levels, as well as the interdisciplinary nature of the international system. Towards that end it offers students a choice of two undergraduate degrees, one in International Studies and another in Political Science. The Department of Government and International Affairs provides students with a range of courses of study and areas of concentration, including electives offered through the Public Administration program. For more specific details students are advised to consult the description of each specific program below.

### INTERNATIONAL STUDIES (INT)

The major in International Studies enables students to undertake programs of study which emphasize (a) preparation for careers in international activities, or (b) the study of particular international themes or topics, or (c) the study of particular regions or cultures. The program of study is developed by each student in consultation with the International Studies Adviser so as to best serve the education and career goals of the individual.

#### • Requirements for the Major in International Studies

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 (3)    INR 3081 (3)    INR 3038 (3)    INR 4936 (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 course offerings of other departments, which are approved by the major adviser as having adequate international or cross-cultural content. Students may also take upper level electives from the International Studies curriculum.

With the approval of the major adviser, credits earned in INR 4900 (1-3) and INR 4910 (1-3) may be used to augment or substitute for the foregoing requirements. Students are encouraged, but not required, to engage in study abroad programs, a large number of which have been approved by the USF International Affairs Center. Credits earned in such programs apply toward graduation and many also apply to the INT major.

#### Required Supporting Courses

Students must pass a 2000 level foreign language course (that is, at least one semester of foreign language study beyond the first year introductory courses), or complete one year of study of a non-Western language. Students who are bilingual or who are already conversationally fluent or who can translate with facility from a foreign language text are exempt from the above course requirement, but the INT faculty may require demonstration of proficiency.

Students will be provided with academic advice and counsel about other courses offered throughout the university which may support and complement their major program. INT majors should plan their programs in conjunction with the adviser who is empowered to make appropriate substitutions when educationally justified.

#### • Requirements for the Minor in International Studies

The minor in International Studies is a set of International Studies courses taken by a student that approximates one half of the upper level credits required for a major. The minor consists of 18 credit hours made up of six courses as follows:

INR 3003 (3)    INR 3081 (3)    INR 3038 (3)  
and 3 upper level courses chosen from the International Studies Program's offerings. Each student's program must be planned with the International Studies Program major advisor, who is empowered to approve appropriate substitutions when educationally justified.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the

university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete two lower level introductory courses in International Relations 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.

AMH 2010 American History I	3
AMH 2020 American History II	3
ANT 2000 Introduction to Anthropology	3
ECO 2013 Principles of Economics I	3
ECO 2023 Principles of Economics II	3
Foreign Language	11
GEA 3000 World Geography	4
POS 2041 American National Government	3
Western or World Civilization I, II	6
Courses to improve writing & speaking skills	

## 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 and 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

Students who earn a B.A. degree in political science should be able to relate knowledge from their major field to other allied disciplines as well as being well-grounded in political science. In fact, it is impossible to understand fully and to explain political events and behavior without some knowledge of history, economics, sociology, and other related fields. To aid and encourage political science majors in this endeavor, students must take a minimum of 18 hours in courses from among history, economics, anthropology, geography, sociology, psychology, philosophy, or other approved Social Sciences. Six hours must be in history, three in economics, and nine from the remaining fields. Six of the eighteen hours must be taken at or above the 3000 level.

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. (A GPA of 3.0 is required to enroll in these courses; special exception may be granted by the Chair for students with a GPA between 2.70 and 2.99).

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, in order to satisfy the requirements of the major.

The undergraduate curriculum in political science is composed of the following:

#### Required Core Courses (12 cr. hrs.)

CPO 2002 (3) or INR 2002 (3)	
POS 2041 (3)	POT 3003 (3)    POS 3713 (3)

Note that either CPO 2002 or INR 2002 must be taken as a core course. However, the other course not taken as a core course may be taken as an elective.

Students should complete POT 3003 and POS 3713 by the end of the first semester 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.

Electives from the seven fields (24 cr. hrs.) with at least one course from Field I, one course from Field II or III, and one course from any of Fields IV, V, VI, or VII; no course from a given field or field grouping can be taken until the core course has been completed.

Field I	<b>Political Theory</b>		
	POT 3013 (3)	POT 4064 (3)	POT 5626 (3)
	POT 4054 (3)	POT 4204 (3)	
Field II	<b>Comparative Government and Politics</b>		
	CPO 4034 (3)	CPO 4930 (3)	CPO 5934 (3)
Field III	<b>International Relations</b>		
	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	<b>American National and State Governments</b>		
	POS 2080 (3)	POS 3273 (3)	POS 4413 (3)
	POS 2112 (3)	POS 3453 (3)	POS 4424 (3)
	POS 3173 (3)	POS 4204 (3)	POS 5094 (3)
	POS 3182 (3)	PUP 4323 (3)	
Field V	<b>Urban Government and Politics</b>		
	POS 3142 (3)	POS 4165 (3)	URP 4050 (3)
	POS 3145 (3)	POS 5155 (3)	PUP 4534 (3)
Field VI	<b>Public Policy</b>		
	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	<b>Law and Politics</b>		
	INR 4403 (3)	POS 3691 (3)	POS 4624 (3)
	POS 3283 (3)	POS 4614 (3)	POS 4693 (3)

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

PAD 3003 (3)	POS 4936 (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 consists of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POT 3003. An additional 12 credit hours in regularly scheduled political science courses are 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, in order to be certified for a minor.

### Field Work

The Department of Political Science has a field work program which 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

Honors in Political Science is designed for the outstanding undergraduate who seeks an intensive program plus academic recognition during the senior year. Admission to the honors sequence, which is available to all undergraduate majors, will be controlled by grade point average, personal interviews and close scrutiny of the student's program and



record. Students admitted will write an honors thesis, POS 4970 (3).

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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.

Economics (any ECO)	6
ENC 1101 English I--Essay Writing	3
ENC 1102 English II--Essay Writing	3
Foreign Language I	4
Foreign Language II	4
Geography (any GEO)	3
History (any AMH or EUH)	6
POS 2112 State and Local Government	3
Psychology (any PSY)	3
Sociology (any SOC)	3
SPC 2600 Public Speaking	3

**Requirements for the Pre-Law Plan in Political Science**

The area of Political Science offers a pre-law plan designed for the undergraduate considering a career related to law; Field VII of the undergraduate curriculum (Law and Politics). The courses making up the field are of particular interest to law-oriented students, but may be taken by others as well. Majors are guided to those courses which develop skills and provide information needed for good performance in the study of law. Students receive the skills and information needed for entry into a number of law-related positions in business and government. An integral part of this plan is a high degree of student access to the Political Science's pre-law advisor.

Prior to admission to law school, a student must take the Law School Admission Test (LSAT). This test is given by the Educational Testing Service of Princeton, New Jersey.

The Law School Admission Test is given simultaneously several times each year at the University of South Florida and numerous other testing centers throughout the state. Students should plan to take the test at least one year prior to planned enrollment in law school. Additional information is available from the Department of Government and International Affairs, University of South Florida.

(Pre-law is not a prescribed program of study. No specific college major is required for admission to law school. Those students intending to pursue the study of law must obtain a Bachelor's degree in an arena of personal choice. It is generally agreed that knowledge and understanding of the political, economic, and social context within which legal problems arise facilitate a career in law.)

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

AMH 2010 American History I	3
AMH 2020 American History II	3
ENC 3310 English--Essay Writing	3
EUH 1000 World Civilization I	3
EUH 1101 World Civilization II	3
POS 2112 State and Local Government	3
SPC 2600 Public Speaking	3

**International Affairs Focus in Political Science**

The area of Political Science offers a number of courses that prepare students for graduate study in International Relations and career opportunities in private or public transnational organizations.

Basic courses in the area include:

INR 2002 Introduction to International Relations	
CPO 2002 Introduction to Comparative Politics	
INR 3102 American Foreign Policy	

In addition, Political Science offers the following upper-level courses:

CPO 4034 Politics of Developing Areas	
CPO 4930 Comparative Politics of Selected Areas	
INR 4334 Defense Policy	
INR 4035 International Political Economy	
INR 4403 International Law	
INR 4502 International Organizations	
CPO 5934 Selected Topics in Comparative Politics	
INR 5086 Issues in International Relations	

Students desiring careers in international affairs or international administration are encouraged to supplement these courses with courses offered in International Studies, Management, Economics, Business Administration, Foreign Languages, and Public Administration.

**PUBLIC ADMINISTRATION (PAD)**

The Public Administration Program offers courses which serve as electives for undergraduate students. Completion of these courses will benefit those students preparing for a career in local, state, or federal agencies of government, non-profit organizations, and special service districts and/or graduate work in public administration and related fields. The courses listed below may be taken for undergraduate credit. Please note that the 5000-level courses listed are available to seniors and graduate students only.

PAD 3003 Introduction to Public Administration	
PAD 4204 Public Financial Administration	
PAD 5035 Issues in Public Administration and Public Policy	
PAD 5333 Concepts and Issues in Public Planning	
PAD 5605 Administrative Law	
PAD 5612 Administrative Regulation	
PAD 5700 Research Methods in Public Administration	
PAD 5807 Administration of Urban Affairs	
PAD 5836 Comparative Public Administration	

For further information, please contact the Public Administration Program.

■ **HISTORY (HTY)**

The discipline of history embraces a world of ideas, peoples, and events. Our faculty seek to inform and question, to provoke, and to challenge our students to a higher level of understanding of the past. History at South Florida offers the student an opportunity to explore civilizations from around the globe and from the ancient through contemporary eras. We



encourage diversification. Our faculty endeavors to move students beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis.

### • Requirements for the Major in History

A minimum of 32 semester hours is required for a major in history. Twelve hours of 2000 level courses, or their equivalent, constitute the lower level requirements. At least 12 hours of course work must be drawn from the 3000-4000 level in addition to HIS 4104 and 4936, which constitute the upper level requirements for the degree. A minimum grade of "C" or better must be attained in each course counted for the 32 hours of history. Grades of "D" or "F" in history coursework will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. It is recommended that history majors take ENC 3310, "Advanced Expository Writing," SPC 2023, "Fundamentals of Speech Communication," LIS 2001, "Information Resources and Library Research," CGS 2080 and CGS 3060 (computer service courses), and additional hours drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Sociology, Women's Studies, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language. Open University courses are not eligible for major field credit.

### • Requirements for the Minor

The minor in History entails a 15-hour program organized and contracted by the student and the department around the specific needs of the student's major program. A minimum of 8 hours must be completed at the University of South Florida and the student must maintain a 2.0 GPA in the minor. Certification of the minor will be supervised by the department. Students interested in a minor in history are encouraged to see the History department advisor as early in their undergraduate program as possible. Open University courses are not eligible for minor field credit.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete two lower level introductory courses in History prior to entering the University. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Western or World Civilization I, II

American History I, II

Latin American History I, II

English--Essay Writing, Foreign Languages, Anthropology, Geography, Economics, Political Science, Philosophy, Literature, Humanities, Sociology, Black Studies.

## ■ HUMANITIES & AMERICAN STUDIES (HUM/AMS)

The Department of Humanities and American Studies offers students a choice of two undergraduate degrees, one in Humanities and one in American Studies. Students may also minor in each area. For more specific details, students are advised to consult the description of each specific program below.

### HUMANITIES (HUM)

The Humanities Program is an interdisciplinary curriculum that deals with the visual arts, music, literature and the culture from which they emerge. Secondary sources are used sparingly; students are encouraged to make a vigorous, personal response to specific works of art, literature, and music.

### • Requirements for the Major in Humanities

The curriculum for the Humanities major comprises interdisciplinary courses in the verbal, visual and musical arts of specified periods and cultures. Course requirements are as follows:

1. 28 credits of Humanities courses. Not over 2 courses or eight of these 28 credits may be taken below the 3000-level.
2. Humanities 4931, Seminar in Humanities, four credit hours.
3. Two or more classes in the creative or performing arts, either lower or upper level, totaling at least four semester hours.
4. Majors must earn a "C" or better in all Humanities courses.

### • Requirements for the Minor in Humanities

The curriculum for the Humanities minor is comparable to that of the program for the B.A. degree, but it is less comprehensive. Course requirements are as follows:

1. Eighteen semester hours of Humanities courses.
2. Not over eight of these eighteen hours may be taken below the 3000 level.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ENC 1101 English I	3
ENC 1102 English II	3
Humanities (HUM 2000-level courses)	6
Imaginative Writing courses (CRW courses)	3-6
Introductory courses in applied and non-applied Fine Arts (ART, MUS)	6
Literature in Translation (RUT, CLT courses)	3-6
Social Science (AMH, EUH courses)	6

**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 which 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**

36 credit hours, including AMS 3001, AMS 3210, AMS 4935, AMS 4936, either AMS 3201 or AMS 3230, a minimum of 8 additional credit hours in other AMS courses and a minimum of 8 additional elective hours selected from AMS and/or related disciplines in consultation with the Undergraduate Director.

- Requirements for the Minor in American Studies**

18 credit hours, including AMS 3001 and a minimum of 8 credit hours of other AMS courses plus a minimum of 6 additional elective hours selected from AMS and/or related disciplines in consultation with the Undergraduate Director.

- Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

AMH 2010 American History I	3
AMH 2020 American History II	3
ENC 1101 English I	3
ENC 1102 English II	3
ISS 2221 International Relations	3
POS 2041 American National Government	3

- INTERDISCIPLINARY NATURAL SCIENCES (INB/INC/ING/INL/INM/INP)**

The Bachelor of Arts in the Interdisciplinary Natural Sciences major is designed for majors seeking a broad program in the natural sciences and for majors in Science Education and Mathematics Education. Concentrations exist in Interdisciplinary Natural Sciences-Biology (INB), Interdisciplinary Natural Sciences-Chemistry (INC), Interdisciplinary Natural Sciences - Clinical Laboratory Sciences (INL), Interdisciplinary Natural Sciences-Geology (ING), Interdisciplinary Natural Sciences-Mathematics (INM), and Interdisciplinary Natural Sciences-Physics (INP). 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.

The requirements for graduation for this degree are the same as those contained in Arts and Sciences General Requirements for Degree except for the following:

1a. For Science Education and Mathematics Education Majors, only completion of a major consisting of a minimum of 45 hours in natural sciences courses applicable to majors in the natural sciences. In these emphases, there must be a minimum of 24 credit hours in a discipline of major concentration and a minimum of 16 credit hours in supporting courses outside the discipline of major concentration selected from natural science courses. At least two of the supporting courses must be at the 3000 level or above. The student must earn a grade of "C" or better in each course in the major concentration and in each supporting course.

1b. For Biology (INB), Chemistry (INC), Geology (ING), Mathematics (INM), and Physics (INP) concentrations, there must be a minimum of 24 credit hours in a discipline of major concentration and a minimum core of supporting courses comprising a calculus sequence and the introductory science sequence from each of the following departments:

BSC 2010C (4)	BSC 2011C (4)
CHM 2041 (3)	CHM 2046(3)
CHM 2045L (1)	CHM 2046L(1)
MAC 2233(4)	MAC 2311(4)
MAC 2234(4)	MAC 2312(4)
	MAC 2281(3)
	MAC 2282 (3)

PHY 2053 (3)	PHY 2048 (3)
PHY 2053L (1)	PHY 2048L (1)
PHY 2054 (3)	PHY 2049 (3)
PHY 2054L (1)	PHY 2049L (1)
GLY 2010 (3)	GLY 2010L (1)
GLY 2100 (3)	GLY 2100L (1)

The student must earn a grade of "C" or better in the major concentration and in each supporting course.

Unstructured courses are not counted to fulfill the major requirements.

1c. The Clinical Laboratory Sciences emphasis is designed to prepare students for application to a clinical program in Medical Technology or Cytology following graduation or employment in a laboratory. Students planning to apply to clinical programs in Medical Technology need to include a course in Immunology. Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. For the Clinical Laboratory Sciences emphasis, completion of a minimum of 54 credit hours in natural sciences with a "C" or higher in each major and supporting course.

Supporting Courses:

BSC 2010, 2010L (3,1)	BSC 2011, 2011L (3,1)
CHM 2041, 2045L (3,1)	CHM 2046, 2046L (3,1)
MAC 2233 (4)	STA 2023 (4)

Major Courses:

BCH 3023 or CHS 4300 (3)	
CHM 2210, 2210L (3,2)	CHM 2211, 2211L (3,2)
MCB 3030C (4)	

Two (2) Biology major electives including at least one with lab (min. 6 hours)

Select from the following list noting prerequisites where applicable:

BOT 4434C	MCB 4115
MCB 4404, 4404L	PCB 3023, 3023L
PCB 3063, 3063L	PCB 4064C
PCB 5115C	PCB 5235
ZOO 4753C	

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

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

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

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

• **Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

One year each, if offered, of:

Biology I (BSC 2010, 2010L) and Biology II (BSC 2011, 2011L)	8
Calculus (MAC 2233 and MAC 2234 or MAC 2311 and MAC 2312)	6 - 8
General Chemistry (CHM 2041, CHM 2045L, and CHM 2046, CHM 2046L)	8
General Physics (PHY 2053, PHY 2053L and PHY 2054, PHY 2054L or PHY 2048, PHY 2048L and PHY 2049, PHY 2049L)	8
Introduction to Physical Geology (GLY 2010, GLY 2010L) and History of the Earth and Life (GLY 2100, GLY 2100L)	8

■ **INTERDISCIPLINARY SOCIAL SCIENCES (ISS)**

This program of study 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 of study geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.

Specific requirements for a B.A. degree in Interdisciplinary Social Sciences (ISS) include:

1. required core courses for the major are ISS 3010, ISS 4935, and STA 2122.
2. the ISS student chooses between two cognate areas and completes twelve hours in each. Twenty available cognates (listed below) range from Africana Studies, to Criminal Justice, Sociology, and Women's Studies. Three special electives--emphasizing cultural diversity--are added.
3. it is suggested that the student work out a program of study at the onset of the junior year, particularly before too many

courses are completed in CAS. 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. 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.
7. students in Communications Sciences and Disorders major in ISS with an emphasis in (a) Speech and Hearing Science, (b) Interpreter Training for the Deaf, or (c) American Sign Language. Advising for this concentration is handled at the Communication Sciences and Disorders Department.

**No transfer courses with grades of "D" are acceptable for credit in the ISS major.**

**COGNATE AREAS** - you select two areas, and take 12 hours in each. Cognates must be selected from the areas of study listed below:

AFA, ANT, CCJ, ECN, EVR, GEY, GPY, HTY, HUM, HUS, INT, ISA, ISH, LAS, PAD, POL, PSY, SOC, SOW, and WST.

**Interdisciplinary Core Courses**

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human systems; the various concepts, theories and methods studied in the social sciences; and apply them to the issues of the day. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

• **Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students are encouraged to choose from 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.

AFA 2000 Black Experience	3
AMH 2010 or 2020 American History	3
ANT 2000 Introduction to Anthropology	3
CCJ 3020 Introduction to Criminal Justice	3
ECO 2013 Economic Principles (Macroeconomics)	3
ECO 2023 Economic Principles (Microeconomics)	3
GEA 3000 World Geography	4



- POS 2041 National Government 3  
or  
POS 2112 State and Local Government 3

- SYG 2000 Introduction to Sociology 3  
WST 3010 Women's Studies 3

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.

## LIBERAL STUDIES (ALA)

The Liberal Studies Degree is conceived to fulfill the intent of the traditional Liberal Arts degree and is offered for students who require a broad academic approach for realization of their conceived academic or pre-professional goals.

For admission to the program, the students must (1) have a minimum of 20 (to a maximum of 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 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 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 90 hours will include courses in the sciences, letters, and social and behavioral sciences. In the student's last semester, a senior paper must be approved by the faculty committee.

When admitted to the program, the student will formulate, in collaboration with the faculty committee, a program of studies to be pursued toward his/her particular academic goals. For information, contact the Coordinator of Advising in SOC 102.

## Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

To be admitted to the Liberal Studies program, the student must have a minimum of 20 (to a maximum of 80) semester hours, have a minimum overall GPA of 3.0 at the time of admission, and submit a written proposal explaining the student's special academic circumstances and goals for which this major is appropriate. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

## LANGUAGES AND LINGUISTICS

The Division of Languages and Linguistics offers students several undergraduate degrees. Although a baccalaureate degree is not offered in Linguistics, a minor is available to students. Comprehensive information about these programs is listed below.

## CLASSICS (CLL, CLS, ICL)

The major programs in Classics 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

Major programs leading to the Bachelor of Arts degree are offered in Classics-Latin, Classics-Latin/Greek, and Interdisciplinary Classics. Major programs in Classics require a minimum of 36 hours of course-work. The minor is offered in Latin, Greek, and Interdisciplinary Classics. The minors consist of a minimum of 22 hours of course-work.

## CLASSICS-LATIN

(Basic preparation for the Classics-Latin major: a minimum of two years of high school Latin or LAT 1120 and LAT 1121). LAT 1120 and LAT 1121 may be used to satisfy foreign language requirements but do not count as credit toward the major.

Required courses for the Classics-Latin major

24 hours selected from the following:

LNW 2660 (4)	LNW 4363 (4)	LNW 4634 (4)
LNW 4670 (4)	LNW 4381 (4)	LNW 4644 (4)
LNW 4500 (4)	LNW 4654 (4)	LNW 4930 (4)
LNW 4501 (4)	LNW 4900 (1-4)	

Supporting courses required for the major

12 hours selected from the following:

ARH 4100 (4)	CLT 3102 (3)	EUH 3402 (4)
ARH 4170 (4)	CLT 3370 (3)	EUH 3412 (4)
CLA 3103 (3)	EUH 2011 (3)	EUH 3413 (4)
CLA 3123 (3)	EUH 2012 (3)	PHP 4000 (3)
CLT 3040 (3)	EUH 3401 (4)	PHP 4010 (3)
CLT 3101 (3)		

## CLASSICS-LATIN/GREEK

Required courses for the Classics-Latin/Greek major  
16 hours in advanced Latin (see Classics-Latin major above)  
and 8 hours in beginning Classical Greek, GRE 1120, 1121.

Supporting courses required for the Classics-Latin/Greek major

12 hours selected from the list of supporting courses given for the Classics-Latin major above.

### Requirements for the Latin minor

16 hours in advanced Latin (see Classics-Latin major above).

Supporting courses required for the Latin minor

8 hours selected from the following:

CLT 3102 (3)	CLT 3370 (3)	EUH 3412 (4)
EUH 3413 (4)		

### Requirements for the Greek minor

16 hours in advanced Greek.

Supporting courses required for the Greek minor

8 hours selected from the following:

ARH 4170 (4)	CLA 3103 (3)	CLT 3101 (3)
CLT 3370 (3)	EUH 3401 (4)	EUH 3402 (4)
PHH 3062 (3)	PHP 4000 (3)	PHP 4010 (3)

## INTERDISCIPLINARY CLASSICS

### 1. Basic Preparation

Beginning Latin or Greek or high school equivalent (no major credit)

### 2. Required Courses

- Two advanced courses in Latin or Greek.  
(See Classics-Latin and Classics-Latin/Greek) (8)
- Prehistoric and Ancient Art (ARH 4100) (4)
- Greek and Roman Art (ARH 4170) (4)
- History of Philosophy: Ancient & Medieval (PHH 3062) (3)

- Plato (PHP 4000) or Aristotle (PHP 4010) (3)  
 d. Classical Mythology (CLT 3370) (3)  
 e. Two courses from:  
   Ancient History I (EUH 2011) (3)  
   Ancient History II (EUH 2012) (3)  
   Classical Greece (EUH 3401) (4)  
   Age of Alexander (EUH 3402) (4)  
   Roman Republic (EUH 3412) (4)  
   Roman Empire (EUH 3413) (4)  
 f. One course from:  
   Ancient Civilizations (CLA 3000) (4)  
   Greek Civilization (CLA 3103) (3)  
   Roman Civilization (CLA 3123) (3)  
   Egyptian Civilization (CLA 4160) (3)  
   Mesopotamian Civilization (CLA 4171) (3)  
   Greek Literature in Translation (CLT 3101) (3)  
   Roman Literature in Translation (CLT 3102) (3)  
   New Testament Greek I (GRE 2040) (3)  
   New Testament Greek II (GRE 2041) (3)  
   (38-41 Hours)

#### • Requirements for the Interdisciplinary Classics Minor

1. One year of Latin or Greek at the University level.  
(LAT 1120, LAT 1121, or GRE 1120, GRE 1121) (8)
  2. One course in Art History (4)
  3. One course in Ancient Philosophy (3)
  4. Classical Mythology (3)
  5. One course in Ancient History (3)
- (21 Hours)

### HONORS PROGRAM

#### Admissions Criteria

1. Senior status.
2. Completion of the "core" courses required for a major in the Department with a GPA above 3.5.
3. An overall GPA above 3.0.
4. Two letters of recommendation from Departmental faculty followed by Departmental approval.

#### Dismissal Procedures

The student must maintain a Departmental GPA of 3.5; must submit the Honors Thesis on time, and must pass the scheduled Departmental Honors Examination. Otherwise, the candidate receives no Honors.

#### Requirements for Completion of Departmental Honors:

1. Completion of requirements for a major in the Department with a GPA above 3.5 and an overall GPA of 3.0.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. Passing the Honors Examination at the end of the senior year.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

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

### LINGUISTICS (LIN)

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. Although no baccalaureate degree is offered, the minor in linguistics may provide a broader educational experience for students majoring in adjacent arts and sciences such as Anthropology, Communication, Communication Sciences and Disorders, English, Foreign Languages, Philosophy, Psychology, Sociology, and others.

#### • Requirements for the Minor

The minor in Linguistics requires a minimum of 18 semester hours as follows:

plus 15 semester hours from the following:

ANT 3610 (3)	CLT 3040 (3)	LIN 4600 (3)
LIN 4710 (3)	LIN 3801(3)	SPC 2050 (3)
LIN 4040 (3)	SPC 3210 (3)	

### MODERN LANGUAGES (FRE/GER/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, Modern Greek, Russian, and Spanish. All major programs in foreign language require a total of 32 hours of coursework above the intermediate level.

The following languages may also be taken as a minor: French, German, Italian, Latin, Modern Greek, Russian, and Spanish. The minor consists of 15 hours of course work in French and Spanish above the second-year level, and 16 hours in the other languages except for the less commonly taught languages. In order to begin 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.

#### • French (FRE)

*Required courses for the major (15 cr. hrs.)*

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 cr. hrs.)*

FRE 2240 (3)	FRE 3420 (3)
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*Supporting courses required for the minor*

9 hours in 3000, 4000, or 5000 level courses except courses in translation.



### • German (GER)

*Requirements for the major (14 cr. hrs.)*

GER 3244 (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 cr. hrs.)*

GER 3244 (3)                      GER 3420 (3)

*Supporting courses required for the minor*

10 hours in 3000, 4000, or 5000 level courses except courses in translation.

### • Modern Greek (GRK)

*Required courses for the minor (16 cr. hrs.)*

GRK 2200 (4)                      GRK 4905 (4)  
GRK 2201 (4)                      GRK 4930 (4)

### • Italian (ITA)

*Required courses for the major (15 cr. hrs.)*

ITA 2240 (4)                      ITW 4100 (4)  
ITA 3420 (3)                      ITW 4101 (4)

*Supporting courses required for the major*

17 hours in 3000 or 4000 level courses, including approved courses in related disciplines, planned with the advisor.

*Required courses for the minor (7 cr. hrs.)*

ITA 2240 (4)                      ITA 3420 (3)

*Supporting courses required for the minor*

9 hours in 3000 or 4000 level courses except courses in translation.

### • Russian (RUS)

*Required courses for the major (14 cr. hrs.)*

RUS 3240 (4)                      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 cr. hrs.)*

RUS 3240 (4)                      RUS 4241 (4)

*Supporting courses required for the minor*

8 hours in 3000 or 4000 level courses.

### • Spanish (SPA)

*Required courses for the major (15 cr. hrs.)*

SPN 3300 (3)                      SPW 4301 (3)  
SPW 4101 (3)                      SPW 4131 (3)  
SPW 4100 (3)

*Supporting courses required for the major:*

17 hours in 3000, 4000 or 5000 level courses planned with the advisor.

*Required courses for the minor (3 cr. hrs.)*

SPN 3300 (3)

*Supporting courses required for the minor*

12 hours in 3000, 4000 or 5000 level courses except courses in translation.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ECN 1101 English I	3
ECN 1102 English II	3
Social Science (any HIS, SOC, ANT, etc.)	6
Humanities (any HUM)	6
Beginning and Intermediate "Target Language" (XXX 1120, 1121, and 2200)	14-19

## ■ LIBRARY AND INFORMATION SCIENCE (LIS)

The School of Library and Information Science offers undergraduate classes to meet a wide range of information literacy needs in support of the university's academic programs. The courses provide the understanding and skills needed to access essential information resources in an increasingly information-driven, technological world, whether in support of scholarship in academic disciplines or the occupational demands of society.

Students are able to take a variety of classes that will prepare them to access and assess these information resources. Topics taught in these classes include: using the Internet to answer educational and research needs; designing and creating web pages; efficiently finding and using the information resources of the modern, and increasingly electronic, library. The School also offers the following classes that focus on using library resources in specialized areas: Science Information Sources; Business Information Sources; and Social Science Information Sources.

The School's faculty will counsel those undergraduates interested in graduate study in librarianship. The Library and Information Science Master's program is accredited by the American Library Association, and graduates are prepared for professional positions in all types of libraries, media centers, and information agencies. The Library and Information Science program at the University of South Florida meets the Florida State Board of Education requirements for certification as an Educational Media Specialist (grades K-12).

For more information, visit our web site at <http://www.cas.usf.edu/lis>.

## ■ MARINE SCIENCE (MSC)

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

The Department of Marine Science (DMS) at the University of South Florida offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in Oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 26 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and departmental facilities is



available from the department upon request.

The department's location on St. Petersburg's Bayboro Campus allows immediate access to Tampa Bay and the Gulf of Mexico. Bayboro Harbor is home port to the R/V *Bellows* (71 ft.) and the R/V *Suncoaster* (110 ft.). These vessels are operated by the Florida Institute of Oceanography (FIO) for the entire State University System. The department's principal building is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Department of Environmental Protection. A newly occupied research building is shared by DMS and FMRI and houses a remote-sensing, satellite data-acquisition center. The U.S. Geological Survey (USGS) center for Coastal Geology and Regional Studies, the office of the Tampa Bay National Estuary Program, FMRI, and the Department of Marine Science are all located on the Bayboro Campus. Consequently, St. Petersburg is home to one of the largest concentrations of marine scientists in the southeastern United States; many of these scientists serve on advisory committees of DMS graduate students.

## ■ MASS COMMUNICATIONS (COM)

The School of Mass Communications, accredited by the Accrediting Council on Education in Journalism and Mass Communications, offers approximately 70 courses varying in content from the highly technical and field-specialized in some cases to an essential liberal arts orientation in others. The program introduces students to the theories, principles, and problems of communications, emphasizing the concept of freedom of information as the cornerstone of Constitutional Democracy and preparing students for future leadership roles in communications media. Graduates should understand the structure and functions of mass media systems as well as the basic processes of communication. In addition, students specialize in an area of mass communications (advertising, journalism, public relations, or telecommunications) to blend a strong introduction to professional skills with the theoretical orientation.

Majors seeking careers in the mass media will be directed to the various media with which the School maintains close contact for summer internships, practica and part-time work. A limited number of students will have the opportunity to serve as interns with a mass communications organization and take MMC 4945 for three hours credit. See MMC 4945 in catalog course listings.

**Note:** Students may not receive credit for both an internship (MMC 4945) and a practicum (ADV 4940, JOU 3940, JOU 4941, 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 45 hours with a 2.7 minimum Overall Grade Point Average, and ENC 1101 and 1102 with a minimum grade of "C" in each. Applicants must establish a minimum score of 60 percent on the Mass Communications Diagnostic Test prior to entering MMC 2100 (Writing for Mass Media). Both courses in the Mass Communications core curriculum (MMC 2100 and MMC 3602) must be completed with a minimum grade of "C" before any other Mass Communications course may be taken. Students failing to achieve a minimum grade of "C" in both MMC 2100 and MMC 3602 will be disallowed as majors in the School. A 2.5 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than "C" in any Mass Communications course.

The Mass Communications major requires six hours of core curriculum courses (MMC 2100 and MMC 3602) and 28 hours of a combination of required and selective sequence courses for a total of 34 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC

2100) are a part of the graduation requirement.

Mass Communications majors are required to take a minimum of 90 hours in courses outside the journalism and mass communications areas, with no fewer than 65 hours in the basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the School program advisor.) To facilitate this, no more than 34 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement. Mass Communications majors taking more than 34 hours of Mass Communications courses, regardless of the departments in which those courses are listed, must add those hours to the 124 hours required for graduation. In particular, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

A maximum of nine semester hours in Mass Communications courses will be accepted from a community college or other lower-level program toward a degree in Mass Communications. It is suggested that the nine hours include the equivalent of the School core curriculum and one sequence introduction course. Approval by an appropriate advisor is required.

At least eighteen (18) 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.

The School sequence requirements are:

#### School Core Curriculum

MMC 2100 (3) MMC 3602 (3)

#### Sequence Requirements

##### 1. ADVERTISING Requirements

ADV 3000 (3)	ADV 4800 (3)	MMC 4203 (3)
ADV 3101 (3)	ADV 4940 (1)	MMC 4420 (3)
ADV 3300 (3)		

*Selective Requirements* (9 hrs. required, selected with advisor's approval)

**Note:** The following courses are required outside the School to complete sequence requirements: ACG 3074, ECO 1000, and MAR 3023. See specific courses for prerequisites.

##### 2. JOURNALISM Requirements

News-Editorial Option		
JOU 2100 (3)	JOU 4200 (3)	JOU 4206 (3)
JOU 3101 (3)	MMC 4200 (3)	or
JOU 4104 (3)		PGY 3610 (3)

*Selective Requirements* (10 hrs. required, selected with advisor's approval)

##### Magazine Option

JOU 2100 (3)	JOU 4200 (3)	MMC 4200 (3)
JOU 3101 (3)	MMC 4936 (3)	MMC 4420 (3)
JOU 3300 (3)		

*Selective Requirements* (7 hrs. required, selected with advisor's approval)

**Note:** The following courses are required outside the School to complete sequence requirements: ECO 1000, PHI 1103, POS 2041, and POS 2112 or POS 3142, and SYG 3010. For Magazine sequence, CRW 2100 is also required. See specific courses for prerequisites.

##### 3. PUBLIC RELATIONS Requirements

ADV 3000 (3)	PUR 3000 (3)	PUR 4100 (3)
JOU 2100 (3)	PUR 4001 (3)	PUR 4401 (3)
MMC 4420 (3)		

*Selective Requirements* (7 hrs. required, selected with advisor's approval)

**Note:** The following courses are required outside the School to complete sequence requirements: ECO 1000, MAN 3025, POS 2041, and POS 2112 or POS 3142.

**4. TELECOMMUNICATIONS Requirements****News Option**

MMC 4200 (3) MMC 4420 (3) RTV 3001 (3)  
RTV 3304 (4) RTV 4301 (3)

**Selective Requirements** (12 hrs. required, selected with advisor's approval)

**Programming and Production Option**

RTV 3001 (3) RTV 3304 (4) MMC 4200 (3)  
RTV 2100 (3) RTV 4220 (3) MMC 4420 (3)  
RTV 4500 (3) RTV 4320 (3)

**Selective Requirements** (3 hrs. required, selected with advisor's approval)

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

For News: ORI 2000, PHI 1103, POS 2041, POS 2112 or POS 3142, and SPC 2023.

For Programming and Production: CRW 2100 or ENC 3310, and PHI 1103. See specific courses for prerequisites.

**Selective Requirements** (6 hrs. required, selected with advisor's approval)

**Note:** Most Mass Communications courses have prerequisites. They are specified in the course description. Refer to each prerequisite listed to determine progressive prerequisites for each course.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete 18 semester hours outside the Mass Communications curriculum at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

English Composition (minimum grade of "C")	6
MMC 3602 Mass Communications and Society	3

Prior to being admitted to the School of Mass Communications, a student must:

Complete a minimum of 45 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.7 overall GPA, and pass a School-administered English diagnostic test.

• **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 31 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**

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. A minimum of 12 hours of 4000 level or higher mathematics courses must be taken in residency and must be applicable to the major.

1. **Mathematics Requirement** (Min. 45 cr. hrs.)

Majors must complete the following core courses:

COP 4313	Symbolic Computations in Mathematics	3
MAA 4211	Intermediate Analysis I	4
MAC 2311	Calculus I	4
MAC 2312	Calculus II	4
MAC 2313	Calculus III	4
MAP 2302	Differential Equations	3
MAS 3105	Linear Algebra	3
MAS 4301	Elementary Abstract Algebra	3
MAT 2936	Technology Seminar	1
MAT 4937	Mathematics Majors Seminar	1
MGF 3301	Bridge to Abstract Mathematics	3
STA 4442	Introduction to Probability	3

In addition, majors must complete three (3) courses from the following electives:

CGS 3422	Problem Solving Using Pascal or C	3
MAA 4212	Intermediate Analysis II	3
MAA 4402	Complex Variables	3
MAD 4401	Numerical Analysis	4
MAD 4504	Theory of Computation	3
MAD 5305	Introduction to Graph Theory	3
MAP 5345	Applied Partial Differential Equations	3
MAP 5407	Methods of Applied Mathematics	3
MAS 4124	Numerical Linear Algebra	3
MAS 4156	Vector Calculus	3
MAS 4214	Elementary Number Theory	3
MHF 5405	History of Modern Mathematics	3
MTG 4212	Geometry	4
MTG 4302	Introduction to Topology	3
STA 4321	Introduction to Statistics	3
STA 5166	Computational Statistics	3
STA 5228	Sampling Techniques	3



Special topics courses, listed under MAT 4930, or other 5000-level mathematics courses can also be taken as electives, with the approval of an undergraduate advisor. In addition, one elective of high mathematical content can be taken from another department, with the approval of an undergraduate advisor and the chairman.

An undergraduate advisor will work with the student in recommending electives which are appropriate for the student's interests and goals.

The following is a typical mathematics course program for mathematics majors:

<b>Semester 1</b>		
MAC 2311	Calculus I	4
<b>Semester 2</b>		
MAC 2312	Calculus II	4
MAT 2936	Technology Seminar	1
<b>Semester 3</b>		
MAC 2313	Calculus III	4
MGF 3301	Bridge to Abstract Mathematics	3
<b>Semester 4</b>		
MAP 2302	Differential Equations	3
MAS 3105	Linear Algebra	3
<b>Semester 5</b>		
MAS 4301	Elementary Abstract Algebra	3
COP 4313	Symbolic Computations in Mathematics	3
<b>Semester 6</b>		
STA 4442	Introduction to Probability	3
Elective		3-4
<b>Semester 7</b>		
MAA 4211	Intermediate Analysis I	4
Elective		3-4
<b>Semester 8</b>		
MAT 4937	Mathematics Majors Seminar	1
Elective		3-4

## 2. Mathematics-related Courses (6-8 cr. hrs.)

Majors, except for majors in mathematics for teaching, must take two courses with laboratories in the Departments of Biology, Chemistry, Geology, or Physics that are required courses for the major within those departments.

Majors will not receive credit toward graduation for the following courses:

AST 3033	GEB 3121	STA 2023
GEB 2111	PHY 2020	STA 2122

Majors wishing to take a course in statistics should take STA 4321.

## • 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 24 cr. hrs.):

### 1. Required Courses (18 cr. hrs.)

Either

MAC 2311	Calculus I	4
MAC 2312	Calculus II	4
MAC 2313	Calculus III	4

Or

MAC 2281	Engineering Calculus I	3
MAC 2282	Engineering Calculus II	3
MAC 2283	Engineering Calculus III	3
MAP 2302	Differential Equations	3

Also, both of the following:

MAS 3105	Linear Algebra	3
MGF 3301	Bridge to Abstract Mathematics	3

### 2. Elective Courses (Min. 6 cr. hrs.)

Any 2 courses (3 or more credit hours each) which are required or elective for the major in mathematics.

## • Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see the description given in the Mathematics Education section of this catalog.

## • Technical Concentrations

The Department of Mathematics offers specialized technical concentrations within the general Bachelor of Arts degree in mathematics that emphasize a subfield of Environmental Science. These concentrations are more structured than the general B.A. program and require additional study in a related field comparable to earning a minor in that field. This cross disciplinary training prepares the student for a career in Environmental Science. Furthermore, the student is able to pursue graduate work in either mathematics or the related field.

### Environmental Biology Concentration

1. Mathematics requirement		
Completion of the mathematics major, including		
STA 4321	Introduction to Statistics	3
2. Supporting courses		
CHM 2041	Introductory General Chemistry	3
CHM 2045L	General Chemistry I Lab	1
CHM 2046	General Chemistry II	3
CHM 2046L	General Chemistry II Lab	1
3. Biology courses		
BSC 2010	Biology I - Cellular Processes	3
BSC 2010L	Biology I - Cellular Processes Lab	1
BSC 2011	Biology II - Diversity	4
BSC 2011L	Biology II - Diversity Lab	1
ZOO 3203C	Invertebrate Zoology	4
PCB 3063	General Genetics	3
PCB 4043C	Principles of Ecology	3
PCB 4674	Organic Evolution	3

### Environmental Chemistry Concentration

1. Mathematics requirement		
Completion of the mathematics major, including		
STA 4321	Introduction to Statistics	3
2. Chemistry courses		
CHM 2041	Introductory General Chemistry	3
CHM 2045L	General Chemistry I Lab	1
CHM 2046	General Chemistry II	3
CHM 2046L	General Chemistry II Lab	1
CHM 2200	Organic Chemistry	4
CHM 4410	Physical Chemistry I	3
CHM 4411	Physical Chemistry II	3
And either		
CHM 3120C	Elementary Analytic Chemistry	4
or		
CHM 3610C	Intermediate Inorganic Chemistry	4

### Environmental Geology Concentration

1. Mathematics requirement		
Completion of the mathematics major, including		
STA 4321	Introduction to Statistics	3
The student must complete one of the sequences		
MAS 4123	Numerical Linear Algebra	3
MAD 4401	Numerical Analysis	4
or		
MAP 5407	Methods of Applied Mathematics	3
MAP 5345	Applied Partial Differential Equations	3
2. Supporting courses		
PHY 2053	General Physics	3
PHY 2053L	General Physics Lab	1
PHY 2054	General Physics and Lab	3
PHY 2054L	General Physics Lab	1
3. Geology courses		
GLY 2010	Dynamic Earth: Introduction to Physical Geology	3
GLY 2010L	Dynamic Earth Lab	1
GLY 2100	History of the Earth and Life	3
GLY 2100L	Earth History Lab	1



GLY 4822	Introduction to Hydrogeology	4
And either		
GLY 3400C	Structural Geology	4
or		
GLY 5827	Advanced Hydrogeology	4

### • Accelerated BA/MA Program

This program is designed for superior students having a solid background in high school mathematics and the ability to handle a fast paced, challenging program leading to a BA and MA degree in mathematics in four to five years.

The program meets all the requirements for the BA degree, but requires the students to take those 5000 and 6000 level courses required for the MA degree during the last two years in the program. By awarding up to 20 hours of dual credit (undergraduate and graduate), the student also uses these courses to satisfy the requirements for the MA in mathematics.

For admission to the program, a student must have completed at least 30 hours of college credit including 8 hours of 3000-level or above mathematics courses; have an overall grade point average of 3.0 or above; and have a grade point average of 3.5 or above in all mathematics courses taken at the 3000-level or above. Further information is available on request from the Department of Mathematics (974-2643).

### • Honors Program in Mathematics

The program is designed for students who wish to obtain a B.A. degree that will indicate unusual strength in the field of mathematics. Successful completion of the program will be prominently displayed on the student's diploma and will be recorded on the official U.S.F. transcript of the student's work.

Students are eligible for admission to the program when they

1. have completed Elementary Abstract Algebra (MAS 4301),
2. have at least a 3.0 average in all college courses, and
3. have at least a 3.5 average in college 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 requirements for the major in mathematics,
2. six credit hours of graduate mathematics courses at USF,
3. completion of MAT 4970, Mathematics Senior Thesis,
4. at least a 3.0 average for all courses, and
5. at least a 3.5 average for mathematics courses.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

COP XXXX Computer Language Course  
(Pascal, FORTRAN, C, C+, or C++)  
MAC X311 Calculus I

MAC X312 Calculus II  
MAC X313 Calculus III

Students must also complete two laboratory-based science courses, 4 - 8 semester hours total, from the respective science majors: Biology, Chemistry, or Physics.

### ■ 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, Tallahassee, and Jacksonville. Admission to the fourth year is limited by the number of openings in affiliated hospitals, and at the present time is competitive. Selection for the clinical program is made by the hospitals and students not admitted to a clinical program may need to select an alternative degree. Generally hospitals require a minimum GPA of 2.5, and our students admitted to clinical programs in recent years have had a mean GPA of about 3.0.

All courses required for admission to the clinical program must be completed prior to beginning the clinical year. These requirements include:

1. A minimum of 90 semester hours (excluding physical education.)
2. All University Liberal Arts requirements.
3. Writing and computation requirements for 6A- 10.30.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a "C" or higher in each course.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. They may be completed at a community college or other institution or at USF. Courses available at USF are indicated with an asterisk.

- 1) General Biology I with lab (4)  
(e.g. BSC 1010, 1010L; BSC 2010, 2010L\*)
  - 2) Human Anatomy and Physiology I with lab (4)  
(e.g. BSC 1085, 1085L) and  
Human Anatomy and Physiology II with lab (4)  
(e.g. BSC 1086, 1086L)
- or
- Human Physiology with lab (4-5)  
(e.g. PCB 4703C; BSC 3092\*) and one of  
the following options:
- General Biology II with lab (4)  
(e.g. BSC 1011, 1011L; BSC 2011, 2011L\*)
- or
- Genetics with lab (4)  
(e.g. PCB 3063, 3063L\*)
- or
- Cell Biology with lab (4)

- (e.g. PCB 3023, 3023L\*)
- or
- Human Anatomy with lab (4)  
(e.g. BSC 1095, 1095L; ZOO 3733C)
- 3) General Microbiology with lab (4)  
(e.g. MCB 2010, 2010L; MCB 3030C\*)
- 4) General Chemistry I & II with labs (8)  
(e.g. CHM 1045, 1045L, 1046, 1046L;  
CHM 2041, 2045L, 2046, 2046L\*)
- 5) Organic Chemistry I with lab (4-5)  
(e.g. CHM 2210, 2210L\*)
- 6) Organic Chemistry II with lab (4-5)  
(e.g. CHM 2211, 2211L\*)
- or
- Quantitative Analysis (4)  
(e.g. CHM 2120C; CHM 3120C\*)
- 7) Statistics (3-4)  
(e.g. STA 2023\*)

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

- College Algebra (MAC 2102 or MAC 2132) (3)  
Determinative Bacteriology (MCB 4115) (5)  
Immunology (PCB 5235 or equivalent) (3)  
Clinical Chemistry (CHS 4300) (3)

Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January or February. During this clinical training, the student will continue to be registered as a full-time student of the University and will receive a total of 30 credit hours of work in:

- MLS 4031    MLS 4861    MLS 4863    MLS 4865  
MLS 4860    MLS 4862    MLS 4864    MLS 4866

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)

### • Requirements for the Major in Philosophy

Majors in philosophy must complete at least 30 credit hours made up as follows:

- a. PHH 3062 History of Philosophy: Ancient and Medieval  
PHH 3420 History of Philosophy: Modern\*
- b. PHI 2100 Introduction to Formal Logic
- or
- PHI 5135 Symbolic Logic
- c. PHI 2600 Ethical Theory
- d. At least one of the following:  
PHI 4300 Theory of Knowledge  
PHI 5225 Philosophy of Language  
PHI 4320 Philosophy of Mind  
PHI 3404 Scientific Method
- e. 6 credit hours of 4000 or 5000 level Philosophy courses
- f. 9 credit hours of Philosophy electives

### • Requirements for the Minor in Philosophy

A minor in philosophy consists of the completion of at least 18 credit hours which includes the following courses or an approved substitute for one only:

- PHH 3062 History of Philosophy: Ancient and Medieval  
PHH 3420 History of Philosophy: Modern  
PHH 4600 Contemporary Philosophy

or  
PHH 4440 Continental Philosophy

PHI 2100 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 2100 Introduction to Formal Logic  
PHH 3062 History of Philosophy: Ancient and Medieval  
PHH 3420 History of Philosophy: Modern  
with a grade point average of 3.6.
- (2) Students must have an overall grade point average of 3.0, and their grade point average in Philosophy must be at least 3.5.
- (3) Students must be nominated for admission into the Philosophy program by a faculty member in Philosophy, and a majority of the faculty who have taught the student must approve the student's admission into the program.

### Program Requirements:

Students must complete the requirements for the Philosophy major in accordance with the following provisions:

- a) students must take either PHH 4440 Continental Philosophy or PHH 4600 Contemporary Philosophy
- b) students must take one course from each of the following groups:

#### Group 1

- PHI 3404 Scientific Method  
PHI 4320 Philosophy of Mind  
PHI 4300 Theory of Knowledge  
PHI 5225 Philosophy of Language  
PHP 4784 Analytical Philosophy

#### Group 2

- PHI 2600 Ethical Theory  
PHI 3601 Contemporary Moral Issues  
PHI 3700 Philosophy of Religion  
PHI 4800 Aesthetics  
PHM 3021 Philosophies of Love and Sex  
PHM 3400 Introduction to Philosophy of Law

#### Group 3

- PHM 3100 Social Philosophy  
PHM 4322 Ancient and Medieval Political Philosophy  
PHM 4331 Modern Political Philosophy  
PHM 4340 Contemporary Political Philosophy  
PHP 4788 Philosophy of Marxism

#### Group 4

- PHH 4700 American Philosophy  
PHP 3786 Existentialism  
PHP 4000 Plato  
PHP 4010 Aristotle  
PHP 4410 Kant  
PHP 4740 The Rationalists  
PHP 4745 Empiricists

- (c) Students must take an Honors Seminar in their senior year.
- (d) 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.
- (e) Students cannot receive a grade lower than a "B" in any Philosophy course, and their grade point average in Philosophy must be at least a 3.5 to remain, or be graduated from the Philosophy Honors program.
- (f) Students must complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.



• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students 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.

Mathematics (any courses).

Foreign Languages (Beginning and Intermediate German, French, or Latin) (1120-1121 level and 2200-2201 level)  
Classics (CLT, CLA for example)

■ **PHYSICS (PHY/PHS)**

The Department of Physics offers programs leading to a Bachelor of Arts or a Bachelor of Science degree, to a Master of Science degree, and to a Ph.D. in Applied Mathematics or Engineering Science with emphasis in Applied Physics. Both thesis and non-thesis programs are available for the M.S. degree. An interdisciplinary arrangement with the Department of Mathematics and with the College of Engineering provides for the Ph.D. opportunity. Students should consult with the Physics Graduate Advisor for details.

• **Requirements for the Majors in Physics**

1. Physics Courses

**B.A. PHYSICS (PHY) (34 cr. hrs.)**

PHY 2048 <sup>1</sup> (3)	PHY 3221 (3)	PHY 4324C (4)
PHY 2048L <sup>1</sup> (1)	PHY 3323C (4)	PHY 4823L (2)
PHY 2049 <sup>1</sup> (3)	PHY 3822L (2)	PHY 4910 (1-4)
PHY 2049L <sup>1</sup> (1)	PHY 4222 (3)	PHY 4930 (1)

Physics Electives (6)

**B.S. PHYSICS (PHS) (44 cr. hrs.)**

PHY 2048 <sup>1</sup> (3)	PHY 3323C (4)	PHY 4604 (3)
PHY 2048L <sup>1</sup> (1)	PHY 3424 <sup>2</sup> (4)	PHY 4823L (2)
PHY 2049 <sup>1</sup> (3)	PHY 3822L (2)	PHY 4910 (1-4)
PHY 2049L <sup>1</sup> (1)	PHY 4222 (3)	PHY 4930 (1)
PHY 3101 (3)	PHY 4324C (4)	PHY 5405 <sup>2</sup> (3)
PHY 3221 (3)	PHY 4523 (3)	

<sup>1</sup>The sequence PHY 2101 (2), PHY 2053 (3), PHY 2053L (1), PHY 2054 (3), and PHY 2054L (1) may be substituted for the sequence indicated.

<sup>2</sup>Substitutions permitted subject to approval of adviser.

2. Supporting Courses in the Natural Sciences

**B.A. and B.S. PHYSICS (20 cr. hrs.)**

CHM 2041 (3)	CHM 2046L (1)	MAC 2313 <sup>3</sup> (4)
CHM 2045L (1)	MAC 2311 <sup>3</sup> (4)	MAP 2302 (3)
CHM 2046 (3)	MAC 2312 <sup>3</sup> (4)	

<sup>3</sup>The sequence MAC 3281 (3), MAC 3282 (3), and MAC 3283 (3) may be substituted for the sequence indicated.

3. Liberal Arts Requirements

[General Education Requirements (36 cr. hrs.); Exit Requirements (9 cr. hrs.)]

The student is required to complete the University's Liberal Arts Requirements.

4. Free Electives

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

5. Residency Requirement

A minimum of 20 credit hours of physics courses (1 above) in residency.

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

**Teacher Education Programs**

For information concerning the degree programs for secondary school teachers, see Teacher Education Programs this college; for junior college teachers, see USF Graduate Catalog.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E

CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E

Students must complete the prerequisite courses listed below prior to be 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.

MAC 2311 Calculus I

MAC 2312 Calculus II

MAC 2313 Calculus III

PHY 2048/2048L General Physics I with Lab or PHY 2048C

PHY 2049/2049L General Physics II with Lab or PHY 2049C

■ **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, Experimental 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. The graduate faculty of the Psychology Department are divided into three broad program areas: Clinical, Experimental, 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

Majors must complete at least 34 semester hours in the field. A minimum grade of "C" or better must be attained in each course in the major. All majors must complete:

- 2000/3000 Level Requirement (6 semester hours)  
Successful completion of: PSY 3044 (3 semester hours) and one of the following:  
INP 2101    PSY 2012    PSY 3022    SOP 3742
- Methods Course Requirement (7 semester hours)  
Successful completion of: PSY 3213 and one of the following:  
CLP 4433    PSY 4205  
or another methods course approved by the undergraduate advisor in Psychology.
- 4000 Level Requirement (21 semester hours)  
Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:  
Group I  
EXP 4204C    EXP 4404    PSB 4013C  
EXP 4304    EXP 4523C  
Group II  
CLP 4143    INP 4004    SOP 4004  
DEP 4005    PPE 4004  
and 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.  
PSY 4205 is recommended for students planning graduate training. Functional mathematics and biological science are also recommended. Otherwise, students majoring in psychology are encouraged to complete a varied undergraduate program.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3044 and PSY 3213. For students minoring in Psychology or those majoring in Interdisciplinary Social Sciences, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213 requirement.

### • Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, PSY 3044, and any three 4000-level psychology courses except PSY 4913. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

### Psychology Honors Program

The purpose of the Honors Program is to provide a select group of undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the second semester of the student's junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student's overall academic record, performance in psychology courses, and a letter of recommendation from a member of the Psychology Department faculty. Successful completion of the program requires a GPA of 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 43 hours in Psychology including PSY 4932 (6) and PSY 4970 (6). See the Psychology Department Undergraduate Advisor for details of the program and an application form.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- PSY X012 Introduction to Psychology or Any other lower level Psychology course
- STA XXXX Any level Statistics course
- BSC XXXX Any level Biology course or Any lower level Zoology course

### ■ REHABILITATION COUNSELING (REF)

A five-year master's program is available to undergraduates where an M.A. degree in Rehabilitation Counseling and a bachelor's degree in another major (if desired) can be earned in a total program of 150 semester hours. Students admitted through the five-year program (REF) must have completed 90 semester hours of work, and have satisfied General Distribution, CLAST, and Rule 6A-10.30 (Gordon Rule) requirements. Minimum admission requirements include a total Verbal-Quantitative score of at least 1000 on the GRE or a "B" average over the last 60 semester hours. The GRE must be taken by all applicants whether or not they have a 3.0 grade-point average. A detailed description of the M.A. program in Rehabilitation Counseling may be found in the Graduate Catalog and on the internet at [http://www.usf.cas.edu/rehab\\_counseling/index.html](http://www.usf.cas.edu/rehab_counseling/index.html).

Undergraduates interested in the five-year program (REF) should contact the department during their sophomore year. They should concentrate on taking required courses in their undergraduate major, and should generally defer taking electives until admitted to the five-year program. Applications for the five-year program are available from the Department. GRE scores must be reported to USF before any application can be processed, and three letters of recommendation are required.

The mission of Rehabilitation Counseling is to help individuals with physical, mental, and psychiatric disabilities return to full, rewarding, and productive lives. Rehabilitation Counselors work in a wide variety of settings, including public and private rehabilitation programs and facilities, mental health treatment settings, and substance abuse treatment settings. Some establish their own private rehabilitation or mental health counseling practices.

Rehabilitation Counseling has roots in both the national rehabilitation movement and professional counseling movement. Training emphasizes psychological, social, medical, and vocational aspects of disability; and also the development and refinement of personal adjustment counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation Counseling are prepared for careers as both rehabilitation and mental health counselors. A special elective concentration in substance abuse is offered, and other study concentrations can be arranged on an individual basis.

The graduate program in Rehabilitation Counseling is fully accredited by the Council on Rehabilitation Education (CORE), the national accrediting body for rehabilitation counselor training programs. Upon completion of the program, graduates are eligible to sit for the national certification examination of the Commission on Rehabilitation Counselor Certification. After passing this examination, the graduate is registered with the Commission as a Certified Rehabilitation Counselor (CRC). Within the 60 hour M.A. program, graduates are also able to meet Florida's educational standards for licensure as a Clinical Mental Health Counselor.

## ■ RELIGIOUS STUDIES (REL)

In Religious Studies, students are exposed to a cross-cultural and multi-disciplinary study of the way in which both individuals and civilizations are deeply influenced by human religious experience. The goal is to enable the educated person to understand better the various ways in which religious values and institutions shape human behavior through a comparative study of religions and cultures. Such an education is invaluable for careers as diverse as journalism, law, medicine, business, as well as careers more directly related to the practice of religion. Majors in Religious Studies will also find courses designed to give them the methodological, theoretical and linguistic skills needed to go on to advanced graduate study in the field.

### • Requirements for the Major in Religious Studies

A total of 36 credit hours chosen 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); and
- b. REL 4949 The Development of Religious Studies (3); and
- c. REL 4931 Seminar in Religion (3)
- d. An additional 27 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

All transfer student 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, and the director of undergraduate studies.

### • Requirements for the Minor in Religious Studies

A total of 18 credit hours chosen 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); and

- b. REL 4949 The Development of Religious Studies (3); and
- c. REL 4931 Seminar in Religion (3) - various topics
- d. An additional 9 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the minor at USF. This will be decided as soon as the student declares a minor in the Department of Religious Studies at USF.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

ENC 1101 English I	3
ENC 1102 English II	3
any HUM Humanities	6
REL 3240 Introduction to the New Testament	3
REL 3210 Hebrew Bible/Old Testament	3
any HIS or SOC or ANT Social Studies	6
any CLA or HEB Ancient Studies	
any HIS History	
any AML or LIT or ENL Literature	
any PHI Philosophy	

## ■ SOCIAL WORK (SOK)

The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

The secondary objectives of the B.S.W. program are

1. to 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. to prepare graduates for additional professional training at the graduate level in social work or in related human service professions;
3. to 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 interventive methods 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, community groups, organizations, or social welfare organizations. The student will develop an understanding of the dynamics of human behavior in individual, group and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and the social, economic, and political processes affecting policy development and program implementation. The student will develop an understanding of the utilization of basic social research skills particularly related to the processes of problem-solving, planning, and evaluation.

The student will also become aware of the value base of the profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one's obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Unlike many academic programs where the student may declare a major, the B.S.W. program is a limited access program. 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 admission to the B.S.W. program solely on the basis of no available space. Any student applying for admission to the program should be aware of this possibility.

Additionally, any student who does not maintain a GPA of at least 2.75 in social work courses while enrolled in the B.S.W. program or who clearly does not exhibit responsible professional behavior, may be subject to dismissal from the program. A social work major receiving a grade of less than "C" in a core course will be required to repeat the course. Furthermore, no student will be allowed to enter field placement with a "D" grade on 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, foundation, and core curriculum. Any student who holds a minimum of Sophomore standing and has completed common prerequisite work in political science, biology, economics, psychology and sociology (see specific requirements below) may declare a presocial work major. This is done by filing a declaration of major form with the College of Arts and Sciences, Records and Advising Office. All pre-majors will be assigned to an advisor within the School who will assist the student in selecting courses. Many students will have already taken most of the common prerequisite courses as part of general distribution at USF or in their course of study at a community college. After completion, a student will be ready for foundation courses in the pre-social work major, a final step in applying for admission to the B.S.W. program as a full major. It is necessary to be admitted as a major before taking core social work courses.

Admission requirements for the social work major are as follows:

1. A student must have completed a minimum of one semester as a pre-social work major;
2. A student must have completed required common prerequisites and foundation courses (see listing);
3. A student must complete an application for admission and file it with the School of Social Work before the beginning of the semester in which admission is sought; dates will be posted in the Social Work office;

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 admission.
6. A student must have successfully completed CLAST. CLAST may be repeated and the applicant may reapply to the program after successful completion of CLAST.  
A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

#### Common Prerequisite Courses (P)

A student must successfully complete, by earning a "C" or better:

One course in each of the following cognate areas or equivalency--

##### Human Biology:

Food: Personal and Global Perspectives  
Sex and Today's World  
Principles of Biology for Non-majors  
Human Anatomy & Physiology  
Human Sexual Behavior

##### Political Science:

American National Government  
State and Local Government and Politics  
Florida Politics and Government

##### Psychology:

Introduction to Contemporary Psychology  
Contemporary Problems in Psychology  
Experimental Psychology  
Psychology of Adjustment

##### Sociology:

Introduction to Sociology  
Contemporary Social Problems  
Social Psychology  
Sociology of Sex Roles  
Social Stratification  
Sociological Aspects of Deviance

##### Economics:

Basic Economics -SS

#### Foundation Courses (P\*) for Pre-Social Work Majors

1. One of the following cross-cultural courses or equivalency

##### Africana Studies:

Introduction to the Black Experience  
Social Institutions and the African-American Community  
Black Women in America  
Culture and Society in Africa  
Racism in American Society  
Blacks in the American Political Process

##### Anthropology:

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

##### Sociology:

Racial and Ethnic Relations

##### Women's Studies:

Introduction to Women's Studies  
Psychology of Women  
Sex Roles in Cross-Cultural Perspective  
Women and Politics  
Issues in Feminism  
American Women in Contemporary Society I  
American Women in Contemporary Society II  
Literature by American Women of Color  
The Image of Women in Literature (also offered in English)



- Third World Women Writers (also offered in English)  
2. Both of the following Social Work courses, earning a "B" or better:

American Social Welfare System  
Introduction to Social Work

• **Requirements for the Major in Social Work (Core Courses)**

- Human Behavior and Social Environment Courses  
SOW 3101 (4) SOW 3102 (4)
- Social Welfare: Policy & Program Course  
SOW 4233 (4)
- Social Research Course  
SOW 3401 (4)
- Social Work Practice Courses  
SOW 4341 (5) SOW 4343 (5)
- Directed Field Experience  
SOW 4510 (3) SOW 4510L (6)
- Multi-cultural America  
SOW 4522 (3)

Summary:

Core Courses 29 hours  
Field Experience 9 hours  
TOTAL 38 hours

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. Students will be admitted to the Pre-Social Work program upon completion of these five courses:

American Government  
Biology  
Introduction to Economics  
Macroeconomics or Microeconomics  
Introductory Psychology  
Introductory Sociology or Introduction to Social Problems

Once the **following** courses are completed and other admissions criteria are met, students may be admitted to the School of Social Work.

Life cycle course, spanning birth to death in an individual's life, 3-4 semester hours.\*

Cross-cultural issues, 3 semester hours.

SOW 3302 Introduction to Social Work, minimum grade = B.  
SOW 3203 American Social Welfare, minimum grade = B.

\* course phased out as requirement in 1998

■ **SOCIOLOGY (SOC)**

Sociology is the study of social life and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies. Because all human behavior is social, the subject matter of

sociology ranges from intimate families to hostile mobs; from crime to religion; from the divisions of race, gender, and social class to the shared beliefs of a common culture; from the sociology of work to the sociology of emotions.

The Sociology major is designed to provide students with a broad liberal arts education and a greater understanding and insight into the social systems and processes that bear upon everyday lives. Opportunities for students with Bachelor's degrees in Sociology are quite varied. Some go on to work for human service agencies; others work in personnel, criminal justice, and urban planning; others enter graduate programs in sociology, education, law, medicine, or social work. Toward these ends, all students are encouraged to become skilled in the use of computers and libraries.

• **Requirements for the Major in Sociology**

The major consists of a minimum of 36 credit hours of Sociology coursework plus ISS STA 2122: Social Science Statistics or its equivalent. All university-wide regulations regarding transfer credits and credits needed for graduation apply, at least 27 of the 36 hours of coursework in Sociology must be USF credits. Only courses in which a grade of "C" or better is attained will count toward the minimum hours although lower grades are included in calculating the major GPA.

The minimum of 36 credit hours in Sociology must include the following four core courses (12 hours):

SYG2000 Introduction to Sociology (May be replaced with an upper level sociology elective if a total of 12 or more hours of sociology coursework is completed before declaring a Sociology major)

SYA 3010 Classical Theory

SYA 3300 Research Methods (Prerequisite: STA 2122 Social Science Statistics or its equivalent)

SYA 4935 Senior Seminar (Students earning a grade less than "C" in this course must take an additional course in Sociology. In that event, the minimum number of Sociology credits is 39)

The remaining 24 hours of sociology coursework may be comprised of any of the courses offered by the Sociology department **with the exception of SYG 2412 Marriage**. This course counts toward the total number of hours needed to graduate but it does not count toward the minimum number of sociology hours needed for the major. No more than three hours of SYA4910 Individual Research may count toward the 36 hour minimum

Students are encouraged to make an appointment to talk with the Sociology Department Undergraduate Advisor when they have questions about major requirements or about which electives offered each semester would best meet their educational and career goals.

• **Requirements for the Minor in Sociology**

A minor in Sociology consists of a minimum of 18 credit hours in Sociology, at least 12 of which must be USF credits. Minors must take SYG 2000 Introduction to Sociology and SYA 3010 Classical Theory. No more than three hours of SYA 4910 Individual Research, may count toward the 18 hour minimum; SYG 2412 Marriage does not count toward the total number of minimum hours for the minor. Only courses in which a grade of "C" or better is attained will count toward the minimum hours.

While students do not declare a Sociology minor until application for graduation, they are encouraged to make an appointment with the Sociology Department Undergraduate Advisor if they wish to discuss which Sociology electives offered each semester would best meet their educational and career goals.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete two lower level introductory courses in Sociology prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to take the following prerequisites, or major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

STA 2122 Social Science Statistics	3
SYG 2000 Introduction to Sociology	3
WST 2010 Introduction to Women's Studies	3

■ **WOMEN'S STUDIES (WST)**

• **Requirements for the Major in Women's Studies**

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

Women's Studies offers excellent undergraduate preparation as well for (1) 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; (2) those who want to focus on women in specific disciplines or professions; and (3) those whose training would benefit from a close scrutiny of the major issues facing women today.

Majors must complete 36 hours distributed as follows:  
Required Core Courses (6 hours)

WST 3011	WST 4935
and at least 1 course from each of the following 6 areas of concentration (18 hours) and 12 hours of electives	
1. MULTICULTURAL ISSUES	2. HISTORY
WST 3275	AMH 3561
AFA 4335	AMH 3562
ANT 4302	WST 3210
WST 4260	WST 3220
WST 5266	WST 2309
	WST 4310
3. HUMANITIES	4. SCIENCES
REL 3145	SOP 3742
WST 4335	SYD 4800
AMS 3370	WST 2380
WST 4262	WST 4320
WST 4263	WST 4350
5. THEORY/PHILOSOPHY	6. PUBLIC POLICY
WST 4342	POS 4693
PHI 4632	POS 4694
PHM 5125	PUP 4323
WST 5001	
WST 5318	

The following courses, not included within the six areas of concentration, may be used to complete elective hours:

WST 3010	WST 4930
WST 3360	WST 5934
WST 4900	STA 2122
WST 4910	

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

• **Requirements for the Minor in Women's Studies**

A student wishing to minor in Women's Studies will be required to take six courses:

WST 3010 or WST 3011

Plus 5 electives chosen from the 6 areas of concentration with no more than 2 courses from any one area and with at least 2 courses at the 4000 level and above.

Students who minor in Women's Studies must be certified by the Undergraduate Advisor.

**Minor in "WOMEN OF COLOR"**

Women's Studies offers a specific concentration in the area of Women of Color whose focus will be to examine the relationship between women of color and institutions of power. For those interested in the difficult task of creating a harmonious multi-ethnic world, this course of study should be personally and socially rewarding as well as academically challenging.

The concentration prepares students for graduate work and/or professional careers in traditional and non-traditional areas such as health and education, international relations, the creative arts, law, medicine, social work, government and public policy, the social sciences, and community organization.

The requirements for the minor are 15 hours which are to be selected from the following upper-level courses:

AFA 4335	WST 4260	WST 4930
ANT 4302	WST 4262	WST 5266
WST 3275	WST 4263	

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Students are encouraged to take the following prerequisites, or major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Social Sciences  
Liberal Arts  
WST 3010 Intro to Women's Studies  
Courses to improve reading and writing skills



## 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.

**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.

**American Chemical Society**-To enhance the students knowledge of chemistry and chemistry related fields.

**American Criminal Justice Association**-To offer students an organization that exposes them to career opportunities in fields related to criminology. We also provide interaction between students and professionals in the field of criminal justice.

**American Medical Student Association (AMSA)** - Open to all Pre-Medical students. AMSA sponsors student-run projects carried out at the local level that allows future physicians to work in their communities as teachers and advocates of health promotion and disease prevention.

**Anthropology Club**-To promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and foster an informal and creative atmosphere for interaction.

**Arts and Sciences College Council**-To represent the students of the College of Arts & Sciences in expressing their opinions, to help them participate in determining college policy, to provide services that may help in furthering their interests and education in the Arts and Sciences.

**Arts and Sciences Honor Society**-To recognize high academic achievement by students in the College of Arts and Sciences.

**Association of Minority Communicators**-To inform and help facilitate minority students interested in Communication about the profession and help them gain practical experience.

**Blacks Organized for Social Science** - This is a service club for students majoring or interested in the social science field who wish to enhance studies and broaden leadership skills.

**Colloquia in Literature and Linguistics** - Provides a stimulating environment in which graduate students in French, Spanish, and Linguistics can share and expand their scholarly endeavors. Sponsors guest lectures.

**Communication Council**-To encourage and promote extracurricular learning as well as social interaction among communication majors and minors.

**French Club** - To promote the interest of the French language, Francophone culture and civilization through programs scheduled at club meetings and through social events of the club.

**Gamma Theta Upsilon**-To foster academic excellence in the Geographic disciplines.

**Geography Club**-To foster understanding of and stimulate interest in the discipline of Geography and its subfields.

**Geology Club** - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary schools.

**German Club**-To promote the interest of German language, culture, and civilization through programs scheduled at club meetings and through social events of the club.

**Humanities and American Studies Society** - This organization's stated purpose according to its Constitution, is "to inspire a greater appreciation of our past and present through the study and enjoyment of various art forms." Activities range from gallery strolls to lectures, film series, and campus theatre performances.

**International Studies Organization**-To promote interaction between students and faculty. To enlighten the student populace of USF of the values of International studies and to foster gender relations among international studies majors.

**Italian Club** - The purpose of the Circolo Culturale Italiano is to provide educational opportunities and experiences in the American Life to its members and help them to improve their knowledge of the Italian language and culture. It also sponsors lectures, social events and grants scholarships to deserving students of Italian.

**Legal Brief** -To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences.

**Minority Preprofessional and Science Society** - The objectives of the Society are to:

- (1) promote minority student interest in careers in the natural sciences and the health professions;
- (2) provide a support network to enable students to be academically successful.

The Society meets twice monthly on Wednesday afternoons. Membership is open to all students in the College of Arts and Sciences. For further information call the Health Professions Advising office, 974-2674/3874.

**NASW Sub Unit (National Assoc. of Social Workers)**-To be a subunit of the National Association of Social Workers, and to provide a social organization for the School of Social Work students.

**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.

**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.

**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.

**Preoptometry Society** - This new society will provide students an opportunity to learn more about the profession of optometry and to meet other students interested in the profession. Any interested student is invited to join.

**Preveterinary Society** - USF Preveterinary Society provides fellowship and exchange among students interested in veterinary medicine, animal science and/or research. Membership is open to students from USF and other local colleges who wish to participate in a variety of activities which will enhance their knowledge in animal science. Activities have included tours at EPCOT - the Land of the Seas, Sea World, Lowry Park Zoo, an ostrich farm, and University of Florida College of Veterinary Medicine. Students meet a variety of specialists in the area.

**Religious Studies Community Forum (RSCF)** - The purpose of RSCF is two-fold. First, we establish cohesion among students and among students and faculty. Secondly, we also build a social structure that supports our academic goals and extends our interaction beyond the classroom.

**Student Broadcasting Association** - To give students with an interest in television/radio journalism on-hands experience and the opportunity to produce a news program for public access television.

**Student Chapter of the Mathematical Association of America** - A club for students who enjoy doing, discussing and learning mathematics.

**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.

**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

*Director:* N. C. James; *Associate Professors:* K. R. Glover, N. C. James, D. G. Plant, T. W. Purcell; *Assistant Professor:* C. R. Rodriguez, D. Turner; *Other Faculty:* F. U. Ohaegbulam, L. W. Morehouse, P. J. Collins, K. Davis, S. Garcia, M. Mitchell, J. B. Moore, H. Regis, A. A. Smith, S. M. D. Stamps, D. Thomas, B. Townsend, K. Vaz, K. Wiredu.

### Anthropology

*Chairperson:* S. D. Greenbaum; *Distinguished Service Professor:* A. W. Wolfe; *Professors:* M. V. Angrosino, G. Kushner, L. M. Whiteford, C. W. Wienker; *Associate Professors:* R. D. Baer, S. D. Greenbaum, L. Madrigal, J. J. Smith, N. M. White; *Assistant Professors:* C. T. H. Ho, R. H. Tykot, B. R. Weisman, K. A. Yelvington; *Courtesy Faculty:* J. Coreil, C. Rodriguez A. Smith; *Other Faculty:* K. Borman, T. Purcell, J. Sokolovsky.

### Bachelor of Independent Studies

*Director:* F. Steier; *Coordinator:* F. Eilers; *Area Coordinators:* W. Heim (BIS Humanities), S. Kranc (BIS Natural Sciences), R. Wheeler (BIS Social & Behavioral Sciences).

## Biology

*Chairperson:* J. T. Romeo; *Distinguished Research Professors:* C. J. Dawes, G. E. Woolfenden; *Professors:* M. R. Alvarez, G. W. Arendash, S. S. Bell, B. C. Cowell, F. E. Friedl, G. W. Hinsch, J. M. Lawrence, D. V. Lim, R. L. Mansell, E. D. McCoy, H. R. Mushinsky, G. G. Robinson, J. L. Simon, S. L. Swihart, D. TeStrake, R. P. Wunderlin; *Associate Professors:* B. J. Cochrane, M. L. Dao, F. I. Eilers, F. B. Essig, P. J. Motta, M. J. Saunders, P. D. Stiling; *Assistant Professors:* J. R. Brooks, A. C. Cannons, J. R. Garey, K. M. Gray, S. A. Karl, M. Kimble, M. B. Rogers; *Lecturers:* C. F. Hendry.

## Chemistry

*Chairperson:* J. C. Davis, Jr.; *Distinguished Research Professors:* R. M. Castle, B. Stevens; *Distinguished Service Professor:* D. F. Martin; *Professors:* J. S. Binford, Jr., R. S. Brame, J. C. Davis, Jr., S. H. Grossman, M. D. Johnston, Jr., G. R. Jurch, Jr., L. Mandell, G. Meisels, G. R. Newkome, E. D. Olsen, R. M. O'Malley, T. C. Owen, J. H. Worrell; *Associate Professors:* R. L. Potter, J. A. Stanko, E. Turos, J. E. Weinzierl, G. R. Wenzinger; *Assistant Professors:* L. Carlucci, J. Harmon, K. W. Jung, A. Malik, L. J. Ming, J. Robert; *Adjunct Faculty:* J. A. Barltrop, R. Benson, J. W. Palmer; *Courtesy Faculty:* M. Ben, R. Conan, P. Dooris, B. B. Martin, L. H. Garcia-Rubio, W. E. Swartz, Jr.

## Communication

*Chairperson:* E. Eisenberg; *Professors:* A. P. Bochner, K. N. Cissna, E. M. Eisenberg, L. S. Pettegrew, R. J. Schneider; *Associate Professors:* B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier, M. L. Vanderford; *Assistant Professors:* E. E. Bell, J. Jorgenson, G. Rodman; *Courtesy Faculty:* M. Myerson.

## Communication Sciences and Disorders

*Chairperson:* A. M. Guilford; *Professors:* A. M. Guilford, J. F. Scheuerle, D. C. Shepherd, E. R. Silliman, W. Strange; *Associate Professors:* J. B. Crittenden, T. Hnath-Chisolm; *Assistant Professor:* R. Huntley Bahr; *Instructors:* P. Blake-Rahter, P. Carr, L. Carrera, W. Collins, S. Diehl, N. Diss, C. Fernandez, C. Ford, S. Graham, E. Kaplon, V. Laughlin, K. Smith, K. Richardson, M. J. Witkind.

## Criminology

*Chairperson:* W. R. Blount; *Professors:* W. R. Blount, R. Dembo, J. B. Halsted, K. M. Heide, I. J. Silverman, M. Silverman, L. Territo; *Associate Professors:* M. Bromley, J. Cochran, C. Greek, T. Mieczkowski, C. Sellers; *Assistant Professors:* W. Palacios; *Professor Emeritus:* J. T. Reilly, M. Vega; *Courtesy Appointment:* J. Feegal; *Academic Administrator:* M. Johnson.

## Economics

*Chairperson:* J. W. Rowe, Jr.; *Professors:* D. M. Bellante, T. D. Curtis, J. S. DeSalvo, K. Gyimah-Brempong, J. S. Hodgson, M. G. Herander, P. K. Porter, J. W. Rowe, Jr., E. W. Shows; *Professors Emeriti:* G. Brunhild, W. J. Herman; *Associate Professors:* J. P. Cooke, E. J. Ford, C. A. Green, E. A. Hanni, R. F. Shannon, J. G. Spence, C. R. Thomas, R. M. Wilson; *Assistant Professors:* B. Kamp, S. S. Lee, G. Picone, J. Racine, J. Swinton; *Lecturers:* S. Bartlett, S. Brandmeyer, V. H. Grigg.

## English

*Chairperson:* S. M. Deats; *Professors:* J. P. W. Rogers (DeBartolo Chair in the Liberal Arts), L. R. Broer, S. M. Deats, H. A. Deer, I. Deer, R. F. Dietrich, F. J. Fabry, S. R. Fiore, W. Garrett, J. S. Hatcher, E. F. Henley, E. W. Hirshberg (Emeritus), J. J. Iorio, D. L. Kaufmann, A. J. Kubiak, J. B. Moore, W. E. Morris, J. M. Moxley, G. A. Olson, W. D. Reader, W. T. Ross, S. J. Rubin, W. H. Scheuerle, E. E. Smith, D. A. Wells;

*Associate Professors:* R. M. Baum, A. G. Bryant, R. E. Chisnell, R. M. Figg III, R. E. Hall, M. C. Harmon, W. J. Heim, R. L. Hewitt, E. A. Metzger, P. J. Sipiora, N. J. Tyson, R. D. Wylly, Jr. *Assistant Professors:* V. J. G. Allen, P. J. Collins, E. A. Hirsh, F. T. Mason, L. L. Runge, F. J. Zbar; *Instructor:* D. L. Jacobs; *Lecturers:* I. F. Ceconi (*Emeritus*), V. W. Valentine (*Emeritus*).

## Environmental Science and Policy

*Director:* R. Khator; *Assistant Director:* I. Bartsch

### Geography

*Chairperson:* G. Tobin; *Professors:* R. T. Aangeenbrug, G. Tobin; *Associate Professors:* K. Archer, R. Brinkmann; *Assistant Professors:* J. Althausen, J. E. Garcia, R. Johns, T. Newsome; *Adjuncts:* H. Aruffo, N. Duncan-Tabb, L. Essenson.

### Geology

*Chairperson:* M. T. Stewart; *Professors:* R. A. Davis, Jr., M. J. Defant, M. T. Stewart, H. L. Vacher; *Associate Professors:* T. M. Quinn, L. L. Robbins, J. G. Ryan; *Assistant Professors:* P. J. Harries, S. E. Kruse, E. A. Oches, C. I. Steefel; *Instructors:* T. C. Juster, E. Snow; *Courtesy Faculty:* R. B. Halley, B. W. Leyden, M. Luo, A. Rosenzweig, A. H. Sallenger, T. M. Scott, R. Stewart, W. H. Taft, S. Upchurch; *Assistant Curators:* R. Denicourt, B. R. Marcin, E. J. Marcin.

### Gerontology

*Chairperson:* W. E. Haley; *Professors:* W. E. Haley, S. V. Saxon, H. Sheppard; *Associate Professors:* J. L. Garcia, W. P. Mangum, L. J. Polivka, J. H. Skinner; *Adjunct Professors:* M. Brooks, M. J. Etten, S. Hoffman, M. Kaplan, B. McCulloch, L. Mosby, M. Mushel, G. Paveza; *Courtesy Professor:* J. Mortimer.

### History

*Chairperson:* J. M. Belohlavek; *Professors:* R. O. Arsenault, J. M. Belohlavek, C. B. Currey, R. P. Ingalls, G. H. Mayer, G. R. Mormino; *Associate Professors:* G. Benadusi, D. R. Carr, P. Dosal, G. H. Kleine, W. M. Murray, F. Ottanelli, K. A. Parker, E. M. Silbert, G. K. Tipps; *Assistant Professors:* G. Alexopoulos, A. de la Fuente, L. Edwards, K. Fischer, C. Greene, K. Paul, W. Stavig, R. J. Van Neste; *Other Faculty:* C. W. Arnade.

## Humanities and American Studies

*Chairperson:* S. L. Gaggi; *Professors:* C. B. Cooper, S. L. Gaggi, T. B. Hoffman (*Emeritus*), H. Juergensen (*Emeritus*), G. S. Kashdin (*Emeritus*), E. M. MacKay (*Emeritus*), J. Moore, D. Rutenberg (*Emeritus*), R. E. Snyder, A. J. Sparks, S. A. Zylstra; *Associate Professors:* R. A. Banes, P. J. Brewer; *Assistant Professors:* D. Belgrad, J. D'Emilio, N. Yavneh; *Other Faculty:* S. A. Zylstra.

## Interdisciplinary Social Sciences

*Coordinator:* R. J. Gagan; *Professor:* S. M. D. Stamps, Jr., R. H. Wheeler; *Associate Professor:* S. E. Cahill; *Assistant Professor:* C. R. Kasee; *Lecturer:* R. J. Gagan.

### International Studies

*Director:* D. Slider; *Professors:* C. W. Arnade, A. Hechiche, H. W. Nelsen, M. T. Orr; *Associate Professors:* M. M. Amen, R. Barylski, E. Conteh-Morgan, S. S. Northcutt, D. Slider; *Assistant Professor:* D. Peng; *Joint Appointments:* Professors: F. U. Ohaegbulam, H. Vanden; *Associate Professors:* K. R. Glover, R. Khator, M. Milani.

### Languages & Linguistics

*Director:* R. W. Cole; *Professors:* G. A. Brulotte, C. W. Capsas, C. J. Cargill, R. W. Cole, W. R. Hampton, D. Ierardo, A. L. Motto, E. J. Neugaard, R. C. O'Hara (*Emeritus*), V. E. Peppard,

R. A. Preto-Rodas, R. A. Stelzmann, C. E. Scruggs; *Associate Professors:* J. C. Cafilisch, C. J. Cano, M. Esformes, J. D. Noonan, C. M. Probes, J. C. Tatum; *Assistant Professors:* J. Flaitz, J. Thompson; *Instructors:* J. S. Campbell, J. A. Feliciano-Butler, R. E. Horn, E. Palacio, I. A. Nemchonok, S. Wohlmuth; *Courtesy Faculty:* A. G. Grognet; *Other Faculty:* S. Fox, K. Mukerjee, W. M. Murray, A. Starr, J. F. Strange, G. K. Tipps.

## Library and Information Science

*Director:* K. de la Peña McCook; *Professors:* K. McCook, F. C. Pfister; *Associate Professors:* V. Gregory, A. Perrault, M. Stauffer, T. C. Wilson; *Courtesy Associate Professor:* Y. L. Ralston; *Assistant Professor:* J. Carey; *Professors Emeriti:* J. K. Gates, J. M. Knego, J. A. McCrossan, A. G. Smith, H. M. Smith; *Instructors:* A. M. Smith, S. R. Wohlmuth; *Visiting Instructors:* K. Swetland, T. Keene.

## Marine Science

*Chairperson:* P. R. Betzer; *Professors:* N. J. Blake, R. H. Byrne, K. L. Carder, L. J. Doyle, K. A. Fanning, P. Hallock-Muller, A. C. Hine, T. L. Hopkins, J. H. Paul, W. M. Sackett, J. J. Torres, E. S. Van Vleet, G. A. Vargo, J. J. Walsh, R. H. Weisberg; *Professors Emeriti:* J. C. Briggs, H. J. Humm; *Associate Professors:* B. Galperin, M. E. Luther, F. Muller-Karger, J. B. Rose, R. R. Wilson, Jr.; *Assistant Professors:* P. G. Coble, G. Mitchum, D. F. Naar, S. F. Tebbens; *Visiting Assistant Professor:* S. G. Tolley; *Courtesy Professors:* R. A. Davis, B. Halley, C. W. Holmes, G. Litman, W. R. Parker, A. Sallenger, S. Schott, A. C. Smith, Y. Tardy, R. Wollast; *Courtesy Associate Professors:* R. C. Baird, S. B. Gallagher, G. E. Rodrick, K. A. Steidinger; *Courtesy Assistant Professor:* A. B. Meylan, R. G. Muller, E. C. Peters, J. E. Reynolds; *Courtesy Lecturers:* S. Gallagher, S. Schott.

## Mass Communications

*Director:* E. J. Friedlander; *Professors:* J. Black, D. L. Dickerson, E. J. Friedlander, G. M. Killenberg, M. Lucoff; *Associate Professors:* D. S. Bagley III, T. M. Counts, R. Dardenne, W. G. Fudge, L. Z. Leslie, H. Regis; *Assistant Professors:* K. F. Brown, S. Liu, R. Miller, B. K. Petersen; *Instructors:* K. Killebrew, G. Werner, R. Wilber; *Professor Emeritus:* A. M. Sanderson;

## Mathematics

*Chairperson:* W. R. Stark; *Associate Chairperson:* M. M. McWaters; *Distinguished Research Professor:* E. B. Saff; *Professors:* W. E. Clark, M. Ismail, A. G. Kartsatos, J. J. Liang, M. N. Manougian, A. Mukherjee, M. E. Parrott, A. N. V. Rao, J. S. Ratti, B. Shekhtman, W. R. Stark, V. Totik, C. P. Tsokos, C. A. Williams, Y. You; *Associate Professors:* R. W. R. Darling, S. Isaak, G. L. McColm, M. M. McWaters, R. W. Oberste-Vorh, J. F. Pedersen, K. L. Pothoven, E. Rakhmanov, K. M. Ramachandran, F. J. Zerla; *Assistant Professors:* S. V. Gomatam, N. Jonoska, M. Saito, S. Suen; *Instructor:* M. Krajcevski; *Professors Emeriti:* J. R. Britton, A. W. Goodman, D. C. Rose.

## Medical Technology

*Director:* C. F. Hendry; *Courtesy Professors:* I. L. Browarsky (Tampa General Hospital), W. Burgert (Tallahassee Memorial Regional Medical Center), N. M. Hardy (University Medical Center/Jacksonville), R. F. Holcomb (Florida Hospital), M. Patterson (St. Vincent's Medical Center); *Courtesy Lecturers:* L. Chakkaphak (St. Vincent's Medical Center), L. Ferguson (Tampa General Hospital), V. Craig (Tallahassee Memorial Regional Medical Center), P. Rogers (Florida Hospital), J. Sigler (University Medical Center).

## Philosophy

*Chairperson:* W. H. Truitt; *Professors:* J. P. Anton (Distinguished Professor of Greek Philosophy & Culture), J. A. Bell, P. A. French (Cole Chair in Ethics), J. A. Gould, L. L. McAlister,



B. Silver, W. H. Truitt, R. C. Weatherford, K. Wiredu; *Distinguished Research Professors*: K. S. Shrader-Frechette, S. P. Turner; *Associate Professors*: R. N. Taylor, J. B. Waugh; *Assistant Professor*: M. R. Schonfeld; *Courtesy Associate Professor*: M. Myerson; *Courtesy Professor*: D. J. Fasching.

### Physics

*Chairperson*: R. S. F. Chang; *Professors*: S. C. Bloch, H. R. Brooker, R. S. F. Chang, L. Clarke, S. R. Deans, N. Djeu, R. W. Flynn, N. C. Halder, L. Jastrzebski, W. D. Jones, D. K. Killinger, J. Lagowski; *Associate Professors*: J. L. Aubel, M. K. Kim, P. Mukherjee, S. Witanachchi; *Lecturer*: D. D. Spurgin.

### Political Science

*Director*: L. W. Morehouse; *Professors*: R. A. Factor, W. E. Hulbary, R. M. Khator, S. MacManus, J. Merrick, F. U. Ohaegbulam, H. E. Vanden; *Associate Professors*: J. E. Benton, M. T. Gibbons, K. R. Glover, A. E. Kelley, M. M. Milani, L. W. Morehouse, D. G. Paulson, P. N. Rigos; *Assistant Professors*: C. Hall, S. Tauber, K. Tenpas; *Professor Emeritus*: A. E. Kelley; *Joint Appointments*: *Professors*: C. W. Arnade, J. E. Jreisat, D. C. Menzel, H. W. Nelsen; *Associate Professors*: R. Barylski, E. Conteh-Morgan, D. Slider, J. B. Snook.

### Public Administration

*Director*: W. J. Pammer, Jr.; *Professors*: J. E. Jreisat, S. A. MacManus, D. C. Menzel; *Associate Professors*: J. L. Daly, W. J. Pammer, Jr.; *Assistant Professor*: A. Njoh; *Joint Appointments*: *Professors*: J. C. Merrick; *Associate Professors*: J. E. Benton, R. Khator, P. N. Rigos.

### Psychology

*Chairperson*: E. L. Levine; *Distinguished Research Professors*: M. S. Goldman, J. J. Jenkins, D. L. Nelson, C. D. Spielberger; *Professors*: W. C. Borman, M. A. Finkelstein, R. Fowler, E. L. Gesten, B. N. Kinder, R. C. LaBarba, E. L. Levine, D. McGuinness, C. E. Nelson, L. A. Penner, W. P. Sacco, P. E. Spector, D. E. Stenmark, J. K. Thompson, T. Tighe; *Professor Emeritus*: H. H. Meyer; *Associate Professors*: T. Brandon, M. T. Brannick, J. A. Bryant, J. M. Clingman, M. D. Covert, P. Jacobsen, V. Phares, T. Sanocki, S. Schneider, K. J. Tarnowski; *Assistant Professors*: K. Brandon, C. R. Cimino, J. B. Epps, C. L. Kirstein, D. F. Lopez, T. Shimizu; *Assistant Research Professor*: M. dePerczel; *Courtesy, Adjunct, & Joint Appointments*: G. Arendash, H. P. Bahrick, H. B. Clark, M. E. Clark, D. Cohen, G. Curtiss, F. Del Boca, M. T. Dickey, J. A. Eison, D. Goldsmith, P. Greenbaum, W. Haley, N. R. Hall, D. Hann, K. Jenkins-Hall, W. L. Hartman, E. B. Kimmel, M. D. Knox, C. L. McEvoy, D. McKinstry, K. McNelis, R. K. Otto, R. Plutchik, N. Poythress, J. Robyak, A. I. Rosenblatt, J. C. Ruckdeschel, D. J. Rundus, E. Salas, J. Sandler, L. Schonfeld, W. P. Schultz, D. V. Sheehan, A. A. Smith, R. Spana, M. L. Stedman, T. F. Stokes, W. Strange, R. Vanderploeg, I. R. Weiner, S. Zheutlin.

### Rehabilitation Counseling

*Chairperson*: J. D. Rasch; *Professors*: W. G. Emener, J. D. Rasch; *Associate Professor*: T. J. Wright; *Assistant Professors*: C. Dixon, S. Kelley; *Clinical Instructor*: J. Ferrandino.

### Religious Studies

*Chairperson*: D. J. Fasching; *Professors*: D. J. Fasching, D. Jorgensen, S. Mandell, M. G. Mitchell, J. Morreall, T. Sonn, J. F. Strange; *Distinguished Research Professor*: J. Neusner; *Other Faculty*: J. S. Hatcher, E. E. Smith.

### Social Work

*Interim Director*: J. Amuso; *Assistant Program Director*: C. K. Bennett; *Associate Professors*: J. A. Giordano, T. U. Hancock, W. S. Hutchison, Jr., C. S. Roberts, A. A. Smith, P. L. Smith; *Assistant Professors*: P. Ouellette, M. Rank, A. L. Strozier;

*Instructors*: C. K. Bennett, S. Speer; *Courtesy Faculty*: *Associate Professors*: M. L. Coulter, G. J. Paveza; *Visiting Faculty*: D. Bassett, J. Callan, J. Carpenter, A. Castro, D. Ducett, J. Hall, M. J. Monahan, R. Tilden.

### Sociology

*Chairperson*: D. Loseke; *Professors*: C. Ellis, D. Stamps; *Associate Professors*: G. Brandmeyer, S. Cahill, J. Friedman, B. Gunter, R. Hansen, M. Kleiman; *Assistant Professors*: L. Graham, S. Green, L. Kutcher, C. Ponticelli; *Visiting Assistant Professor*: L. Mayfield-Brown; *Instructor*: R. Buenteo; *Emeriti*: R. Francis, E. Nesman.

### Women's Studies

*Chairperson*: L. L. McAlister; *Professor*: L. L. McAlister; *Associate Professors*: M. Myerson, J. B. Snook; *Assistant Professors*: I. Bartsch, C. DiPalma, G. Grewal, K. Vaz; *Courtesy Associate Professors*: R. A. Banes, L. M. Whiteford.

## ARTS AND SCIENCES COURSES

### Africana Studies

- AFA 2000 INTRODUCTION TO THE BLACK EXPERIENCE [IN AFRICA AND ITS DIASPORA] -6A -AF (3)**  
Fundamental perspectives on the nature and significance of the Black Experience in Africa and the black communities in the Americas.
- AFA 4150 AFRICA AND THE UNITED STATES -SS -HP -AF (3)**  
An examination of the historical and current political, economic, and cultural relations between the United States and Africa. (Also listed under International Studies.)
- AFA 4331 SOCIAL INSTITUTIONS AND THE AFRICAN-AMERICAN COMMUNITY (3)**  
A study of social institutions as they relate to the African-American Community, with emphasis on social systems operating within and on the African-American community.
- AFA 4335 BLACK WOMEN IN AMERICA -6A -XW (3)**  
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths and realities surrounding that experience. (Also listed under Women's Studies.)
- AFA 4900 DIRECTED READINGS (2-3)**  
Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.
- AFA 4931 SELECTED TOPICS IN AFRICANA STUDIES (1-3)**  
Topics offered are selected to reflect student needs and faculty interests. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th century; Contemporary Economic Problems in Africa.
- AFH 3100 AFRICAN HISTORY TO 1850 -HP -AF (3)**  
An outline survey of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also listed under History.)
- AFH 3200 AFRICAN HISTORY SINCE 1850 -HP -AF (3)**  
Survey of the colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states and post independence problems of nation building and economic development. (Also listed under History.)
- AFS 2250 CULTURE AND SOCIETY IN AFRICA -6A -AF (3)**  
Topics include: African religion, value systems, art and the aesthetics, family and life-cycle, impact of Islam and Christianity and conflict of cultures.
- AFS 3251 ENVIRONMENTAL-CULTURAL STUDY IN AFRICA -SS -AF -FA (3)**  
PR: AFS 2250 or CI. Study tour. A study of traditional African society and culture, the relationship between life and the environment, and the impact of modernization on the culture and the environment.



**AMH 3571 AFRICAN AMERICAN HISTORY TO 1865 -HP** (3)  
A survey of African American history, with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War. (Also offered under History.)

**AMH 3572 AFRICAN AMERICAN HISTORY SINCE 1865 -HP** (3)  
A survey of African American history, with an emphasis on North America, from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Rights Movement. (Also offered under History.)

**AML 3604 AFRICAN AMERICAN LITERATURE -6A -XLW** (3)  
A study of black 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. (Also offered under English Department.)

**AMS 3700 RACISM IN AMERICAN SOCIETY -SS -HP** (3)  
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. (Also offered under American Studies.)

**ANT 4340 THE CARIBBEAN - 6A -XMW** (3)  
PR: ANT 3410 or CI. 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. (Also offered under Anthropology.)

**CPO 4204 GOVERNMENT AND POLITICS OF AFRICA -SS -AF** (3)  
Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.

**CPO 4244 GOVERNMENT AND POLITICS OF EAST, CENTRAL AND SOUTHERN AFRICA** (3)  
In depth study of political developments, ideologies and modernization in East, Central and Southern Africa including race relations and white minority rule in Southern Africa.

**HUM 2420 ARTS AND MUSIC OF THE AFRICAN PEOPLE** (3)  
An examination of the visual arts painting, sculpture, architecture and music of Sub-Saharan Africa; their meaning and impact on the arts and music of the Western World.

**INR 4254 AFRICA IN WORLD AFFAIRS -XMW** (3)  
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.

**ISS 5934 SELECTED TOPICS** (1-3)  
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

**PHI 4073 AFRICAN PHILOSOPHY -6A -XMW** (3)  
A descriptive and analytical study of African philosophical thought, featuring reflective comparisons of African and Western categories of thought. (Also offered under Philosophy.)

**PHM 4120 MAJOR BLACK THINKERS -XMW** (3)  
Survey of major themes and issues in African/African-American intellectual and political thought with an emphasis on theories of nationalism. Works of individuals such as Martin Delany, Booker T. Washington, W. E. B. DuBois, Marcus Garvey, Malcolm X, and Angela Davis are considered.

**PUP 3313 BLACKS IN THE AMERICAN POLITICAL PROCESS** (3)  
An examination of the political experience of Blacks in the American political process including their political socialization, and struggle to become effective participants in the

American political process. (Also offered under Political Science.)

**SPC 3712 COMMUNICATION AND CULTURAL DIVERSITY -SS** (3)  
Examination of communication and cultural diversity within the United States. Cultural groups include racial and ethnic (e.g. African American, Latino American, Asian American), social class, age and generational, religious (e.g. Jewish) and gender. (Also offered under Communication.)

## Anthropology

**ANT 1001 THE HUMAN ADVENTURE** (2)  
This course examines the anthropological evidence relevant to controversial questions concerning human origins, social practices, human and animal communication, and ancient societies. Not for major credit.

**ANT 2000 INTRODUCTION TO ANTHROPOLOGY -SS -AF** (3)  
The crosscultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the crosscultural study of peoples living in the world today, be they in tribal, peasant, or urban societies).

**ANT 2410 CULTURAL ANTHROPOLOGY -SS -AF** (3)  
PR: ANT 2000 or CI. Discussion of major methods of and orientations to the crosscultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

**ANT 3005 THE ANTHROPOLOGICAL PERSPECTIVE -AF** (3)  
For non-anthropology majors only. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at enabling the student to understand the anthropologist's crosscultural view of the human species as adapting through biosocial means to life on this planet. May not be counted for credit toward an anthropology major.

**ANT 3100 ARCHAEOLOGY -SS** (3)  
PR: ANT 2000 or CI. The crosscultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

**ANT 3511 BIOLOGICAL ANTHROPOLOGY -NS** (3)  
PR: ANT 2000 or CI. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized.

**ANT 3610 ANTHROPOLOGICAL LINGUISTICS -SS** (3)  
PR: ANT 2000 or CI. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.

**ANT 4034 THEORIES OF CULTURE** (3)  
PR: Senior standing with major in anthropology or equivalent. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

**ANT 4124 ARCHAEOLOGICAL FIELD METHODS** (4-12)  
PR: ANT 3100 or CI. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Archaeology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recovery, recording, and processing.

**ANT 4153 NORTH AMERICAN ARCHAEOLOGY -6A** (3)  
PR: ANT 3100 or CI. An examination of the evidence regarding the human settlement of North America from its

beginnings through the development of aboriginal culture to the period of European conquest. Emphasis on the comparative study of material culture at selected sites from all time periods. No field work is involved.

**ANT 4158 FLORIDA ARCHAEOLOGY (4)**

PR: ANT 3100 or CI. Culture history and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indians) through the elaborate Weeden Island and Safety Harbor burial and temple mound cultures to the Spanish entrada and consequences of European conquest. Review of temporal and spatial relationships within the entire eastern U.S. and elsewhere. May be part of a summer (or other semester) field school, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

**ANT 4162 SOUTH AMERICAN ARCHAEOLOGY (3)**

PR: ANT 3100 or CI. Describes and analyzes the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimú are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

**ANT 4163 MESOAMERICAN ARCHAEOLOGY (3)**

PR: ANT 3100 or CI. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

**ANT 4172 HISTORICAL ARCHAEOLOGY -6A -XMW (3)**

PR: ANT 3100 or CI. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

**ANT 4180 LABORATORY METHODS IN ARCHAEOLOGY (2-4)**

PR: ANT 3100 or CI. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, mapmaking, etc. May be offered as part of a summer (or other semester) field session. May be combined with Florida Archaeology and Field Methods in Archaeology.

**ANT 4181 MUSEUM METHODS (4)**

PR: ANT 3100 and CI. Design, preparation and installation of exhibits in the Department of Anthropology Teaching Exhibit Gallery. Emphasis on theory, research, design, and construction. Discussion of museum-related issues such as administration and curation.

**ANT 4226 ANTHROPOLOGY OF ART -6A (3)**

PR: ANT 2410 or CI. An examination of the relationship between the visual arts (sculpture, painting, masks, carving, etc.) and culture in non-Western societies. Emphasis on formal symbolic and functional comparative analysis of specific art styles based on crosscultural materials. Consideration of diffusion and change of art forms, commercial and ethnic arts, and role of the artist.

**ANT 4231 FOLKLORE -6A (3)**

PR: ANT 2410 or CI. Focuses on crosscultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

**ANT 4241 MAGIC AND RELIGION -6A -XMW (3)**

PR: ANT 2410 or CI. The crosscultural 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 4302 SEX ROLES IN CROSS-CULTURAL PERSPECTIVE -XMW (3)**

PR: ANT 2410 or CI. Focuses on various theories, models and beliefs about male-female behaviors and interactions

in human cultures throughout history and in various societies in the world today. (Also offered under Women's Studies.)

**ANT 4305 VISUAL ANTHROPOLOGY (3)**

PR: ANT 2410 or CI. The use of photographic techniques for the crosscultural 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 goal of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

**ANT 4312 NORTH AMERICAN INDIANS (3)**

PR: ANT 2410 or CI. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, enculturation and worldview, folklore and visual art.

**ANT 4316 ETHNIC DIVERSITY IN THE UNITED STATES -XMW (3)**

PR: ANT 2410 or CI. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, experiences, and lifestyles, and an examination of policies and problems affecting ethnic groups in the United States.

**ANT 4324 MEXICO AND CENTRAL AMERICA -XMW (3)**

PR: ANT 2410 or CI. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

**ANT 4340 THE CARIBBEAN -6A -XMW (3)**

PR: ANT 2410 or CI. 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. (Also offered under Africana Studies.)

**ANT 4432 THE INDIVIDUAL AND CULTURE -6A -XMW (3)**

PR: ANT 2410 or CI. The relationship between the individual and society is studied crossculturally. 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)**

PR: ANT 2410 or CI. The crosscultural 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)**

PR: ANT 2410 or CI. The study of health and human behavior in crosscultural 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)**

PR: CI. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

**ANT 4520 FORENSIC ANTHROPOLOGY (3)**

A detailed overview of forensic anthropology, skeletal variation, techniques of determining sex, age, population affiliation, aspects of osteological individuality and identification, methods of osteological analysis. Open to majors/minors only.



**ANT 4552 EVOLUTIONARY BIOLOGY OF THE PRIMATES** (3)  
PR: ANT 3511 or CI. A survey of non-human primates focusing on biological and evolutionary patterns. Anatomy, genetics, and evolution are stressed; major primate types are surveyed for their biological adaptation. Primate socio-biology is discussed.

**ANT 4583 PREHISTORIC HUMAN EVOLUTION -NS** (3)  
PR: ANT 3511 or CI. 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)  
PR: ANT 3511 or CI. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

**ANT 4620 LANGUAGE AND CULTURE -6A** (3)  
PR: ANT 3610 or CI. Examines the relationships between language and culture in crosscultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasis on the nature and degree of fit between linguistics and other cultural systems of knowledge.

**ANT 4705 APPLIED ANTHROPOLOGY** (3)  
PR: ANT 2410 or CI. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues in United States society. Discussion of the historical development of applied 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)  
PR: ANT 3610 or CI. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the crosscultural description and analysis of patterns of communication in ethnographic contexts.

**ANT 4901 DIRECTED READING** (1-4)  
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration. (S/U only.)

**ANT 4907 INDIVIDUAL RESEARCH** (2-4)  
PR: CI. Individual guidance in a selected research project. Contract required prior to registration. (S/U only.)

**ANT 4930 SPECIAL TOPICS IN ANTHROPOLOGY** (3)  
PR: CI. Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored. May be repeated as topics vary.

**ANT 4932 HONORS SEMINAR** (4)  
PR: Admission to the honors program in anthropology and CI. Seminar designed to provide the honors student with an opportunity to present, discuss and defend his/her own research and to explore in-depth topics in several areas of anthropology.

**ANT 4935 RETHINKING ANTHROPOLOGY -6A** (3)  
PR: Senior standing with major in anthropology, or equivalent. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

**ANT 4970 HONORS THESIS** (3)  
PR: Admission to the honors program, completion of the honors seminar and CI. The student under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology. (S/U only.)

**ANT 5904 DIRECTED READING** (1-4)  
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration. (S/U only.)

**ANT 5915 INDIVIDUAL RESEARCH** (2-4)  
PR: CI. Individual guidance in a selected research project. Contract required prior to registration. (S/U only.)

**ANT 5937 SEMINAR IN ANTHROPOLOGY** (2-4)  
PR: Graduate standing. Topics to be chosen by students and instructor.

## Astronomy

**AST 2005 ASTRONOMY OF THE SOLAR SYSTEM -NS** (4)  
Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

**AST 2006 STELLAR ASTRONOMY AND COSMOLOGY -NS** (4)  
An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

**AST 2032C ILLUSTRATIVE ASTRONOMY** (3)  
Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations. Lec.-lab.

**AST 3033 CONTEMPORARY THINKING IN ASTRONOMY -NS** (3)  
PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

**AST 3044 ARCHAEOASTRONOMY** (3)  
PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-lab.

**AST 3652 NAVIGATION** (3)  
PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment, spherical astronomy.

**AST 3930 SELECTED TOPICS IN ASTRONOMY** (1-4)  
PR: CI. Course content will depend upon the interest of the faculty member and student demand. May be repeated up to 8 credit hours.

**AST 5506 INTRODUCTION TO CELESTIAL MECHANICS** (3)  
PR: MAC 2313 or MAC 2283 and some knowledge of differential equations, or CI. The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

**AST 5932 SELECTED TOPICS IN ASTRONOMY** (1-5)  
PR: Senior or advanced junior standing or CI. Intensive coverage of special topics to suit needs of advanced students.

## Bachelor of Independent Studies

**HUM 4909 BIS HUMANITIES, INDEPENDENT STUDY** (15)  
(S/U only)

**HUM 4939 BIS HUMANITIES, SEMINAR** (15)  
PR: BIS HUM 4909 or CI (S/U only)

**IDS 4990 BIS INTER-AREA STUDIES** (30)  
PR: ISS 4909, ISS 4939, ISC 4909, ISC 4939, HUM 4909, HUM 4939. (S/U only)

**ISC 4909 BIS NATURAL SCIENCES, INDEPENDENT STUDY** (15)  
(S/U only)

**ISC 4939 BIS NATURAL SCIENCES, SEMINAR** (15)  
PR: BIS ISC 4909 or CI (S/U only)



- ISS 4909 BIS SOCIAL SCIENCES, INDEPENDENT STUDY (15)  
(S/U only)  
ISS 4939 BIS SOCIAL SCIENCES, SEMINAR (15)  
PR: BIS ISS 4909 or CI (S/U only)

## Biology

**NOTE:** Designated levels indicate for whom courses are intended: 2000-Freshmen/Sophomore, 3000-Junior, 4000-Senior, 5000-Advanced Seniors and Graduate Student status. Student who attempt higher-level courses too early may not do well in them.

- BOT 3373C VASCULAR PLANTS: FORM AND FUNCTION** (4)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. Introduction to morphology, physiology, and evolution of vascular plants, integrating form and function to understand diversity. Lec-lab.
- BOT 4143C FIELD BOTANY** (3)  
PR: BOT 3373C. Identification and classification of native and naturalized flowering plants of Florida including historical, climatic and floristic aspects of plant communities. Conducted largely in the field. Lec-lab.
- BOT 4223C PLANT ANATOMY** (3)  
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 4434C MYCOLOGY** (3)  
PR: BOT 3373C or MCB 3030C. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec-lab.
- BOT 4503 PLANT PHYSIOLOGY** (3)  
PR: PCB 3023. Fundamental activities of plants: absorption, translocation, transpiration, metabolism, growth, and related phenomena. Lec.
- BOT 4503L PLANT PHYSIOLOGY LABORATORY** (1)  
CR/PR: BOT 4503. Laboratory portion of Plant Physiology.
- BOT 4713C PLANT TAXONOMY** (4)  
PR: BOT 3373C. Principles of vascular plant systematics and evolution. Lec-lab.
- BOT 4810 ECONOMIC BOTANY** (3)  
PR: BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, and medicines. Lec.
- BOT 4850 MEDICAL BOTANY** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L, CHM 3211, and Junior standing. Study of agents that are produced by plants and that are toxic or psychoactive in human beings or are useful as remedies. Lec.
- BOT 5185C MARINE BOTANY** (4)  
PR: BOT 3373C and 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 BIOLOGICAL PRINCIPLES FOR NON-MAJORS-NS** (3)  
Lectures and demonstrations of selected biological principles, usually taught by television. For non-majors only. NO CREDIT FOR MAJORS.
- BSC 2010 BIOLOGY I-CELLULAR PROCESSES-NS** (3)  
CR/PR: CHM 2041. An analysis of biological systems at the cellular and subcellular levels: cell structure and function, respiration, photosynthesis, mitosis and meiosis, genetics and gene expression. Lec.
- BSC 2010L BIOLOGY I CELLULAR PROCESSES LABORATORY** (1)  
CR/PR: BSC 2010. Laboratory portion of Biology I Cellular Processes.
- BSC 2011 BIOLOGY II-DIVERSITY-NS** (3)  
An analysis of biological systems at the organismal and supraorganismal levels: evolution, speciation, history of life, and ecology. Lec.
- BSC 2011L BIOLOGY II DIVERSITY LABORATORY** (1)  
CR/PR: BSC 2011. Laboratory portion of Biology II Diversity.
- BSC 2022 BIOLOGY OF AGING-NS** (3)  
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. Lec. *May be taken by majors for free elective credit.*

## BSC 2025 FOOD: PERSONAL AND GLOBAL PERSPECTIVES-NS

(3)  
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. Lec. *May be taken by majors for free elective credit.*

## BSC 2030 SAVE THE PLANET-NS

(3)  
An introduction to environmental sciences via television and independent study. Emphasis will be placed on understanding basic principles of ecology relevant to problems and topics of the earth's environment. *May be taken by majors for free elective credit. Credit will be given for either BSC 2030 or BSC 2050, but not both.*

## BSC 2035 SEX & TODAY'S WORLD-NS

(3)  
The application of basic biological principles to female and male sexual behavior and reproduction; current social problems are treated from a biological perspective. Lec. *May be taken by majors for free elective credit.*

## BSC 2050 ENVIRONMENT-NS

(3)  
The application of basic scientific principles to global environmental problems; how human activities impact the environment. Lec. *May be taken by majors for free elective credit. Credit will be given for either BSC 2030 or BSC 2050, but not both.*

## BSC 2092 HUMAN ANATOMY & PHYSIOLOGY

(5)  
PR: BSC 2010. Structure and functions of the human body. Lec. *May be taken by majors for free elective credit.*

## BSC 2932 SELECTED TOPICS IN BIOLOGY

(1-4)  
*May be repeated.*

## BSC 3263 MARINE BIOLOGY

(3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. A survey of marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is on shallow water Florida environments. Lec.

## BSC 4057 ENVIRONMENTAL ISSUES-XMW

(3)  
Study of biological, economic, ethical, legal, political and social issues relating to current environmental problems. Lec. *May be taken by majors for free elective credit only.*

## BSC 4402L BIOLOGICAL RESEARCH METHODS

(3)  
PR: BSC 4931 or BSC 4932. A course to prepare Biology Honors students to work on their Honors theses. Enrollment is limited to Biology Department students. *S/U only.*

## BSC 4850 SOCIOBIOLOGY

(3)  
An analysis of Animal and human behavior such as sex, territoriality, and aggression in the context of evolution. This course is restricted to seniors.

## BSC 4905 INDEPENDENT STUDY

(1-3)  
PR: CI and CC. Specialized independent study determined by the student's needs and interests. The written contract required by the Department of Biology specifies the regulations governing independent study. *May be repeated. S/U only.*

## BSC 4910 UNDERGRADUATE RESEARCH

(1-4)  
PR: CI and CC. Individual investigation with faculty supervision. *S/U only.*

## BSC 4931 BIOLOGY HONORS SEMINAR I

(2)  
A course linked to the Biology Departmental Seminar in which students read publications related to the seminars, discuss the presentations and write critiques. Enrollment is limited to Biology Department Honors students.

## BSC 4932 BIOLOGY HONORS SEMINAR II

(3)  
A reading and discussion course involving areas of general interest in biology. Enrollment is limited to Biology Department Honors students.

## BSC 4933 SELECTED TOPICS IN BIOLOGY

(1-3)  
*May be repeated.*

## BSC 4970 BIOLOGY HONORS THESIS

(1-3)  
PR: BSC 4402L. A thesis based on independent research carried out by the student. Enrollment is limited to Biology Department Honors students. *May be repeated; only four credit hours may count for the major. S/U only.*

- BSC 5931 SELECTED TOPICS IN BIOLOGY** (1-3)  
May be repeated.
- ENY 4004C INTRODUCTION TO ENTOMOLOGY** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Lec-lab.
- ENY 5005C AQUATIC ENTOMOLOGY** (3)  
PR: ENY 4004C or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec-lab.
- MCB 3020C GENERAL MICROBIOLOGY** (4)  
PR: BSC 2010, BSC 2011, and CHM 2210. Genetics is recommended. Introduction to the biology of microorganisms: structure, physiology, and ecology of bacteria, algae, viruses, protozoa and lower fungi. The laboratory involves preparation of culture media, staining, pure culture methodology, isolation of microbes from nature, enumeration techniques, resistance to infectious disease. Lec-lab.
- MCB 4115C DETERMINATIVE BACTERIOLOGY** (5)  
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)  
PR: MCB 3020C, PCB 3023, and 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 & GENETICS LABORATORY** (1)  
CR/PR: MCB 4404. Laboratory portion of Microbial Physiology & Genetics.
- MCB 4502 VIROLOGY** (3)  
PR: MCB 3020C. The biology of viruses associated with plants, animals, and bacteria will be considered; the nature of viruses, mechanisms of viral pathogenesis, and interactions with host cells. Lec.
- MCB 4910 MICROBIOLOGY UNDERGRADUATE RESEARCH** (1-4)  
PR: CI AND CC. Individual investigation with faculty supervision. *S/U only*.
- MCB 4934 SEMINAR IN MICROBIOLOGY** (1)  
CC. Advanced Junior or Senior standing. May be repeated. *S/U only*.
- MCB 5206 PUBLIC HEALTH AND PATHOGENIC MICROBIOLOGY** (3)  
PR: MCB 3020C or 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. Lec.
- MCB 5815 MEDICAL MYCOLOGY** (3)  
PR: MCB 3020C or CI. A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists. Lec-lab.
- PCB 3023 CELL BIOLOGY** (3)  
PR: CHM 2211, 2211L, and PCB 3063. 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)  
CR/PR: PCB 3023. Laboratory portion of Cell Biology.
- PCB 3043 PRINCIPLES OF ECOLOGY** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.
- PCB 3043L ECOLOGY LABORATORY** (1)  
CR/PR: PCB 3043. Laboratory portion of Principles of Ecology.
- PCB 3063 GENERAL GENETICS** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. Introduction to genetics including the fundamental concepts of Mendelian, molecular and population genetics. Lec.
- PCB 3063L GENETICS LABORATORY** (1)  
CR/PR: PCB 3063. Laboratory portion of General Genetics.
- PCB 4064C EXPERIMENTAL GENETICS** (3)  
PR: PCB 3063. Experimental analysis of genetic systems. Lec-lab.
- PCB 4253 DEVELOPMENTAL BIOLOGY** (3)  
PR: PCB 3023. Topics in modern developmental biology to gain a working knowledge and understanding of the cellular and molecular mechanisms of cell differentiation in both plants and animals. Lec.
- PCB 4674 ORGANIC EVOLUTION** (3)  
PR: PCB 3063. An introduction to modern evolutionary theory. Population genetics, adaptations, speciation theory, phylogeny, human evolution and related areas. Lec.
- PCB 4723 ANIMAL PHYSIOLOGY** (3)  
PR: PCB 3023. Advanced presentation of mechanisms employed by animals to interact with their environments and to maintain their organization. Lec.
- PCB 4723L ANIMAL PHYSIOLOGY LABORATORY** (1)  
CR/PR: PCB 4723. Laboratory portion of Animal Physiology.
- PCB 5235 PRINCIPLES OF IMMUNOLOGY** (3)  
PR: PCB 3023 or CI. Course will emphasize the basic cellular and molecular mechanisms involved in the vertebrate immune response. Lec.
- PCB 5306 LIMNOLOGY** (3)  
PR: CI. An introduction to the physical, chemical, and biological nature of freshwater environments. Lec.
- PCB 5306L LIMNOLOGY LABORATORY** (1)  
CR/PR: PCB 5306. Laboratory portion of Limnology.
- PCB 5415 BEHAVIORAL ECOLOGY** (3)  
PR: PCB 3043 or CI. An emphasis on the evolutionary mechanisms that influence an organism's behavioral responses to environmental events. The theoretical framework is presented and analyzed. Lec.
- PCB 5525 MOLECULAR GENETICS** (3)  
PR: PCB 3063 or 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. Lec.
- PCB 5845 PRINCIPLES OF NEUROSCIENCE** (4)  
PR: PCB 4723 or CI. Study of the mammalian brain's structure and function with an emphasis on the neuroanatomy, neuropharmacology, and neurophysiology of the human brain. Lec.
- ZOO 2203 INVERTEBRATE ZOOLOGY** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. An introduction to the major invertebrate groups with emphasis on local forms. Field work will be required. Lec.
- ZOO 2203L INVERTEBRATE ZOOLOGY LABORATORY** (1)  
CR/PR: ZOO 2203. Laboratory portion of Invertebrate Zoology.
- ZOO 2713C COMPARATIVE VERTEBRATE ANATOMY** (4)  
PR: BSC 2010, 2010L, BSC 2011, 2011L. Anatomy of selected vertebrate types emphasizing evolutionary trends. Lec-lab.
- ZOO 4513C ANIMAL BEHAVIOR** (3)  
PR: PCB 3043 and PCB 3063. An introduction to comparative animal behavior (Ethology) with emphasis on communication, social use of space, and behavioral evolution. Lec.
- ZOO 4603C ANIMAL EMBRYOLOGY** (4)  
PR: PCB 3023. Structural and functional events involved in differentiation and morphogenesis. Lec-lab.
- ZOO 4753C HISTOLOGY** (4)  
PR: PCB 3023. Comparative approach to the study of tissues and the relation of their structure and function. Lec-lab.
- ZOO 5235 PARASITOLOGY** (3)  
PR: BSC 2010, 2010L, BSC 2011, 2011L or CI. Fundamentals of animal parasitology and parasitism, the biology



of selected animal parasites, including those of major importance to man. Lec.

**ZOO 5425C HERPETOLOGY** (3)  
PR: ZOO 2713C or CI. Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Field trip-Lec-lab.

**ZOO 5456C ICHTHYOLOGY** (4)  
PR: Senior or GS in Department and ZOO 2713C or CI. PCB 4674 is recommended. Evolution, systematics, structure, behavior, physiology, and ecology of fishes. Lec-lab.

**ZOO 5555C MARINE ANIMAL ECOLOGY** (4)  
PR: PCB 3043 or CI. Investigation of energy flow, biogeochemical cycles, and community structure in marine environments. Lec-lab.

## Chemistry

**BCH 3023 INTRODUCTORY BIOCHEMISTRY** (3)  
PR: CHM 2200 or CHM 2211 and BSC 2010C. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.

**BCH 3023L BASIC BIOCHEMISTRY LABORATORY** (2)  
CR: BCH 3023. Practical work in determination and characterization of important biomolecules. Lec.-lab.

**BCH 4034 ADVANCED BIOCHEMISTRY** (3)  
PR: BCH 3023. An advanced undergraduate course emphasizing such topics as metabolic regulation, DNA and RNA structure and function, receptors, channels, antibodies, and contraction.

**BCH 5045 BIOCHEMISTRY CORE COURSE** (3)  
PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.

**CHM 2021 CHEMISTRY FOR TODAY** (3)  
A one semester terminal course designed to survey some of the important concepts and technologies of modern chemistry. No credit for science majors.

**CHM 2030 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY I** (3)  
First half of a two-semester sequence. Fundamental concepts of general, organic, and biological chemistry. No credit for science majors.

**CHM 2031 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY II** (3)  
PR: CHM 2030. Second half of general, biological and organic chemistry. No credit for science majors.

**CHM 2040 INTRODUCTORY GENERAL CHEMISTRY -NS** (4)  
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, technological aspects and societal impact.

**CHM 2041 GENERAL CHEMISTRY I -NS** (3)  
PR: One year of high school chemistry and two years of high school mathematics including algebra; or, completion of CHM 2040 with grade of C or better. Principles and applications of chemistry including properties of substances and reactions, thermochemistry, atomic-molecular structure and bonding, periodic properties of elements and compounds.

**CHM 2045L GENERAL CHEMISTRY I LABORATORY** (1)  
CR: CHM 2041. 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)  
PR: CHM 2041 or CHM 2045L or equivalent. Continuation of General Chemistry. Lec.-dis.

**CHM 2046L GENERAL CHEMISTRY II LABORATORY** (1)  
PR: CHM 2045L. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.

**CHM 2200 ORGANIC CHEMISTRY** (4)  
PR: CHM 2046 or equivalent. Fundamental organic chemistry principles. Structure, nomenclature, properties, preparation, reactions of hydrocarbons, alkyl halides, alcohols, phenols, ethers, sulfur analogs and other compounds. A one-semester course.

**CHM 2210 ORGANIC CHEMISTRY I** (3)  
PR: CHM 2046, CHM 2046L. Fundamental principles of organic chemistry. Lecture.

**CHM 2210L ORGANIC CHEMISTRY LABORATORY I** (2)  
CR: CHM 2200 or CHM 2210. Laboratory portion of Organic Chemistry I. Introduction of organic laboratory principles and techniques.

**CHM 2211 ORGANIC CHEMISTRY II** (3)  
PR: CHM 2210 or equivalent. Continuation of organic chemistry. Lecture.

**CHM 2211L ORGANIC CHEMISTRY LABORATORY II** (2)  
PR: CHM 2210L, CR: CHM 2211. Continuation of organic chemistry laboratory.

**CHM 2932 SELECTED TOPICS IN CHEMISTRY** (3)  
Topics of interest to students relating to chemistry and other sciences.

**CHM 3120C ELEMENTARY ANALYTICAL CHEMISTRY** (4)  
PR: CHM 2046, CHM 2046L. Fundamentals of gravimetric, volumetric, spectrophotometric analysis. Lec.-lab.

**CHM 3400 ELEMENTARY PHYSICAL CHEMISTRY I** (3)  
PR: CHM 2046, CHM 2046L, MAC 2281 or MAC 2311, PHY 2054, PHY 2054L. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

**CHM 3401 ELEMENTARY PHYSICAL CHEMISTRY II** (3)  
PR: CHM 3400. Reaction kinetics, enzyme kinetics, macromolecular systems, radiochemistry, molecular spectroscopy, and chemical bonding.

**CHM 3402L ELEMENTARY PHYSICAL CHEMISTRY LABORATORY** (1)  
PR: CHM 3120C. CR: CHM 3400 and/or CHM 3401. A physical chemistry laboratory with emphasis on modern techniques and instruments. Lab.

**CHM 3610C INTERMEDIATE INORGANIC CHEMISTRY** (4)  
PR: CHM 2046, CHM 2046L. Fundamental principles of inorganic chemistry including atomic structure, bonding theories and structural consequences, transition metal chemistry and illustrative laboratory work. Lec.-lab.

**CHM 4060 USE OF THE CHEMICAL LITERATURE** (1)  
Discussions and assignments using abstracts, bibliographies, indices, encyclopedias, journals, patent files, electronic databases, and other information sources to obtain chemical and technical material and including written and oral presentations. Career information and opportunities also discussed.

**CHM 4070 HISTORICAL PERSPECTIVES IN CHEMISTRY -6A -XMW** (3)  
PR: One year of college chemistry; or senior standing and CI. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

**CHM 4130C METHODS OF CHEMICAL INVESTIGATION I** (4)  
PR: CHM 3120C, CHM 2211, CHM 2211L, CHM 4060, CHM 4410. Theory and applications of instrumental methods in chemical research, chemical synthesis and analysis; electrochemical and calorimetric techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

**CHM 4131C METHODS OF CHEMICAL INVESTIGATION II** (4)  
PR: CHM 4130C. Continuation of CHM 4130C.

**CHM 4300 BIOMOLECULES I** (3)  
PR: CHM 2211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems. Lec.

**CHM 4410 PHYSICAL CHEMISTRY I** (3)  
PR: CHM 3120C and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Thermodynamics, the states of matter, solutions. Lec.



- CHM 4411 PHYSICAL CHEMISTRY II** (3)  
PR: CHM 3120C, and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Introduction to quantum mechanics and molecular spectroscopy. Lec.
- CHM 4412 PHYSICAL CHEMISTRY III** (3)  
PR: CHM 4410. Electrochemistry, kinetic theory of gases, chemical kinetics, surface and nuclear chemistry. Lec.
- CHM 4610 ADVANCED INORGANIC CHEMISTRY** (3)  
PR: CHM 3610 and CHM 4410 or CI. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.
- CHM 4905 INDEPENDENT STUDY** (1-3)  
PR: CI. 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. May be repeated. (S/U only)
- CHM 4932 SELECTED TOPICS IN CHEMISTRY** (1-3)  
PR: CI. The course content will depend on the interest of faculty members and student demand.
- CHM 4970 UNDERGRADUATE RESEARCH** (1-3)  
PR: CI. (S/U only)
- CHM 5225 INTERMEDIATE ORGANIC CHEMISTRY** (3)  
PR: CHM 2211, CHM 2211L, or equivalent. 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)  
PR: CHM 5225 or CI. An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec. Semester II.
- CHM 5425 APPLICATIONS IN PHYSICAL CHEMISTRY** (3)  
PR: CHM 4411, CHM 4412 or equivalent. Applications of chemical theory to chemical systems.
- CHM 5452 POLYMER CHEMISTRY** (3)  
PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. Fundamentals of polymer synthesis, structure, properties, and characterization.
- CHM 5621 PRINCIPLES OF INORGANIC CHEMISTRY** (3)  
PR: CHM 4411 or CI. Chemical forces, reactivity, periodicity, and literature in inorganic chemistry; basic core course. Lec.
- CHM 5931 SPECIAL TOPICS IN CHEMISTRY** (1-3)  
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 4100C NUCLEAR CHEMISTRY** (3)  
PR: CHM 3120C. Theory and application of natural and induced radioactivity. Emphasis on the production, properties, measurement, and uses of radioactive tracers. Lec.-lab.
- CHS 4300 FUNDAMENTALS OF CLINICAL CHEMISTRY** (3)  
PR: BCH 3033. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Clinical chemistry majors must take CHS 4301L concurrently. Lec.
- CHS 4301L CLINICAL LABORATORY** (2)  
PR: BCH 3033 and CI, CHM 3120C. Laboratory experience in some of the most important clinical determinations. CHS 4300 must be taken concurrently. Lec.-lab.
- CHS 4302 CLINICAL CHEMISTRY PRACTICE** (2-12)  
PR: CI. Laboratory practice in clinical chemistry laboratories in the Tampa Bay area. (S/U only)
- CHS 4310C INSTRUMENTAL ANALYSIS** (4)  
PR: CHM 4412 or CI. Theory and practice of instrumental methods of chemical analysis. Lec.-lab.

### Classics

- CLA 3103 GREEK CIVILIZATION -HP** (3)  
Study of Greek Civilization from its beginning to the Roman period, with emphasis on social customs, political institutions, and daily life.

- CLA 3123 ROMAN CIVILIZATION -HP** (3)  
Study of Ancient Roman Civilization with emphasis on social customs, political institutions, and daily life.

### Courses in Translation

- CLT 3040 CLASSICAL WORD ROOTS IN SCIENCE** (3)  
A course in the Greek and Latin word elements used in science and technology.
- CLT 3101 GREEK LITERATURE IN TRANSLATION -6A -XMW** (3)  
Reading and discussion of major works in Greek literature. Special emphasis on the *Iliad*, the dramatists Aeschylus, Sophocles, Euripides and Aristophanes. Some attention is given to the social and political background of the works. All readings are in English.
- CLT 3102 ROMAN LITERATURE IN TRANSLATION -6A -XMW** (3)  
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)  
Study of Greek and Roman myths embodied in classical literature and of their impact on Western civilization. All readings are in English.

### Greek

- GRE 1120 BEGINNING CLASSICAL GREEK I** (4)  
An introductory course in classical Greek grammar with appropriate readings.
- GRE 1121 BEGINNING CLASSICAL GREEK II** (4)  
PR: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.
- GRE 2200 INTERMEDIATE CLASSICAL GREEK** (4)  
PR: GRE 1121 or equivalent. Readings in Greek at an intermediate level.
- GRW 4905 DIRECTED READING** (1-4)  
Departmental approval required.
- GRW 5905 DIRECTED READING** (1-4)  
Departmental approval required.
- GRW 5934 SELECTED TOPICS** (4)  
Study of an author, movement or theme. May be repeated up to 12 credit hours.

### Latin

- LAT 1120 BEGINNING LATIN I** (4)  
An introductory course in Latin grammar with appropriate readings.
- LAT 1121 BEGINNING LATIN II** (4)  
PR: LAT 1120 or equivalent. An introductory course in Latin grammar with appropriate readings.
- LAT 2200 INTERMEDIATE LATIN** (4)  
PR: LAT 1121 or equivalent. Readings in Latin at an intermediate level.
- LNW 2660 VERGIL** (4)  
PR: LAT 1121 or equivalent. Readings in Vergil's *Aeneid*. Study of the tradition, techniques, and artistry of Roman epic poetry. Available to majors and non-majors.
- LNW 4381 LIVY** (4)  
PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.
- LNW 4500 CICERO AND ROMAN PHILOSOPHY** (4)  
PR: Basic knowledge of Latin. Readings in the philosophic writings of Cicero, together with a consideration of eclectic thought.
- LNW 4501 SENECA AND ROMAN PHILOSOPHY** (4)  
PR: Basic knowledge of Latin. Readings in the philosophic writings of Lucius Annaeus Seneca, together with an examination of Stoic, Epicurean, and Eclectic thought.
- LNW 4634 CATULLUS** (4)  
PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.
- LNW 4644 CICERO** (4)  
PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

**LNW 4654 HORACE**

(4)

PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace; study of the Ode's tradition.

**LNW 4670 OVID**

(4)

PR: LAT 1121 or equivalent. Readings in Ovid's *Metamorphoses*. Study of Ovid's technique, style, and artistry.

**LNW 4900 DIRECTED READING**

(1-4)

Departmental approval required.

**LNW 4930 SELECTED TOPICS**

(4)

Study of an author, movement, or theme.

**LNW 5900 DIRECTED READING**

(1-4)

Departmental approval required. (S/U only.)

**LNW 5934 SELECTED TOPICS**

(4)

Study of an author, movement or theme. May be repeated up to 12 credit hours.

**Communication****COM 2000 INTRODUCTION TO COMMUNICATION -SS**

(3)

Introduction to the roles, contexts, and issues in contemporary human communication. Required of Communication majors.

**COM 3014 COMMUNICATION, GENDER AND IDENTITY**

(3)

Examines the communicative origins and implications of gender roles.

**COM 3110 COMMUNICATION FOR BUSINESS AND THE PROFESSIONS**

(3)

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. Note: For non-majors only.

**COM 3120 INTRODUCTION TO COMMUNICATION THEORY IN ORGANIZATIONS**

(3)

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)

A study of communication theory relative to interview situations with emphasis on the employment interview, appraisal interview, and persuasive interview. **Students must sign up for a one-hour lab and the mass lecture.**

**COM 3122L INTERVIEW COMMUNICATION LAB**

(0)

Interview laboratory for practice and individual consultation. Students must take this course in conjunction with the mass lecture COM 3122. Open to majors and non-majors. Not repeatable.

**COM 4030 WOMEN AND COMMUNICATION -6A -XWV**

(3)

Examines women's patterns of communication in a variety of contexts. Cross-listed with Women's Studies.

**COM 4015 WRITING LIVES -6A**

(3)

PR: Junior/Senior standing or CI. Emphasizes writing stories about our lives and the lives of others as a way to understand, cope with and communicate social experiences.

**COM 4027 COMMUNICATING ILLNESS, GRIEF, AND LOSS -6A**

(3)

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 relationship, families, institutions, and culture in which they occur.

**COM 4124 COMMUNICATION AND ORGANIZATIONAL CHANGE**

(3)

PR: COM 3120 or CI. An advanced course covering current issues in organizational transformation (e.g., organizational dialogue, learning organizations, reengineering, work teams), and the role communication processes play in such changes.

**COM 4942 COMMUNICATION INTERN SEMINAR**

(3)

PR: Communication major, minimum GPA 3.0, 75 hours completed, 15 hours of core requirements and 9 elective hours completed, and CI. Seminar provides students with an opportunity to put into practice concepts and skills

acquired in their study of communication. Weekly seminar sessions augment intern experience. Application for seminar must be submitted one semester prior to seminar offering.

**COM 5930 TOPICS IN COMMUNICATION STUDIES**

(3)

Topical issues in communication. Rpt. up to 12 hours as topics vary.

**ORI 2000 INTRODUCTION TO COMMUNICATION AS PERFORMANCE**

(3)

Designed to develop proficiency in the understanding and oral communication of literary and other written materials.

**ORI 3950 COMMUNICATION AS PERFORMANCE LAB**

(1-3)

PR: ORI 2000 or CI. The study, rehearsal, and performance of literature for Readers Theatre and Chamber Theatre productions. May be repeated (maximum total six hours).

**ORI 4120 PERFORMANCE OF POETRY**

(3)

PR: ORI 2000 or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic techniques.

**ORI 4310 GROUP PERFORMANCE OF LITERATURE**

(3)

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)

PR: ORI 2000. CR: ORI 3950. This course features adaptation, direction, and performance of literature for video productions.

**ORI 5930 TOPICS IN PERFORMANCE GENRES**

(3)

Variable topics course. Rpt. up to 12 hours as topics change.

**SPC 2600 PUBLIC SPEAKING -SS**

(3)

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 2541 PERSUASION**

(3)

Examines the role of persuasion in public and social life. Students will be introduced to key concepts and theories of persuasion from a variety of historical and contemporary perspectives. Students will use these concepts to create, analyze, and respond to persuasive messages.

**SPC 3210 COMMUNICATION THEORY**

(3)

PR: Junior standing or CI. The study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.

**SPC 3230 RHETORICAL THEORY -HP**

(3)

This course surveys the foundations and historical evolution of major concepts, issues, theorists, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

**SPC 3301 INTERPERSONAL COMMUNICATION -SS**

(3)

PR: Junior standing or CI. A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication.

**SPC 3441 GROUP COMMUNICATION**

(3)

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 3513 ARGUMENTATION AND DEBATE**

(3)

PR: Junior standing or CI. Study of principles of argumentation as applied in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

**SPC 3601 ADVANCED PUBLIC SPEAKING**

(3)

PR: SPC 2600 or CI. Study and application of communication strategies in speaking extemporaneously and from manuscript. The course includes study of selected public addresses as aids to increased understanding of speaking skills.

**SPC 3631 RHETORIC OF THE SIXTIES -HP**

(3)

Survey of the rhetorics associated with the civil rights



movement, the Great Society, the anti-Vietnam War movement, the counterculture, the black power movement, and the women's movement.

**SPC 3653 POPULAR FORMS OF PUBLIC COMMUNICATION (3)**  
PR: Junior standing or CI. Analysis of public communication with emphasis on various presentational forms.

**SPC 3681 RHETORICAL ANALYSIS (3)**  
This course introduces students to fundamentals of message analysis. Student examines persuasive strategies and language in oral and written discourse (not repeatable).

**SPC 3712 COMMUNICATION AND CULTURAL DIVERSITY -SS (3)**  
Examination of communication and cultural diversity within the United States. Cultural groups include racial and ethnic (e.g., African American, Latino American, Asian American), social class, age and generational, religious (e.g., Jewish) and gender. (Also offered under Africana Studies.)

**SPC 4201 ORAL TRADITION -XMW (3)**  
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.

**SPC 4305 COMMUNICATING EMOTIONS -6A (3)**  
PR: Junior/Senior standing or CI. Study of emotional experience, what emotions mean to us, how we talk about them, and the ways group and cultural membership influence them. Focus on attachment and loss in romantic, family and group relationships.

**SPC 4310 RELATIONSHIPS ON FILM (3)**  
Examination of the ways in which cinema inscribes conceptions and meanings of romance, love, intimacy and sexuality. Focus on systems of interpretation fostered by cinema representations of intimacy, sexuality, emotional, subjectivity, and betrayal.

**SPC 4431 FAMILY COMMUNICATION (3)**  
Examines the processes and functions of communication in the development of families. Examination of scholarly and popular literature on family structure, family systems, family development, and family stories. Analysis of families in fiction and cinema.

**SPC 4632 RHETORIC OF SOCIAL CHANGE (3)**  
PR: SPC 3230 or SPC 3681. This course examines how social change is symbolized and motivated in the rhetorics of institutions, campaigns, social movements and individuals.

**SPC 4680 HISTORY AND CRITICISM OF PUBLIC ADDRESS (3)**  
PR: SPC 3601 or CI. The principles of rhetorical criticism applied to selected great speeches of Western Civilization.

**SPC 4683 RHETORICAL ANALYSIS OF MASS MEDIA (3)**  
PR: SPC 3230 or SPC 3681; Open to non-majors with CI. An introduction to the criticism of media forms and effects. Contemporary perspectives of the aesthetic and persuasive dimensions of mass media are examined. Students will engage in critical study of media artifacts.

**SPC 4714 COMMUNICATION, CULTURE AND COMMUNITY -XMW (3)**  
Examines the relationships among culture, communication, institutions, and public and private life. Students explore the possibilities and problems of contemporary forms of community through service in a volunteer organization.

**SPC 4900 DIRECTED READINGS (1-3)**  
PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. Maximum 6 hours.

**SPC 4903 HONORS READINGS (3)**  
PR: Admission to Communication Honors Program. Focused readings directed toward preparation of a proposal for an undergraduate honors thesis. May be repeated up to six credits.

**SPC 4905 UNDERGRADUATE RESEARCH (1-3)**  
PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. Maximum 6 hours. Individual investigations with faculty supervision.

**SPC 4930 SELECTED TOPICS (1-3)**  
PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. May be repeated.

**SPC 4932 SENIOR SEMINAR IN COMMUNICATION (3)**  
PR: Senior standing, minimum GPA 3.0, 15 hours of core requirements and 9 elective hours completed, and CI. Communication major. Exploration of selected topics of current significance to the several areas of communication through group discussion and research.

**SPC 4970 HONORS THESIS (3)**  
PR: Admission to Communication Honors Program. Involves individual research and preparation of an undergraduate honors thesis. May be repeated up to six credit hours.

**SPC 5930 TOPICS IN DISCOURSE (3)**  
Variable topics course. Rpt. up to 12 hours.

## Communication Sciences and Disorders

**SPA 3001 INTRODUCTION TO INTERPRETING IN PUBLIC SCHOOLS (3)**

PR: Admission to ISI Program. CR: SPA 3001L. This course introduces the overview of the roles and responsibilities of interpreters for the deaf working in public school classes grades K - 12 and the overview of historical and current public school practices in educational interpreting in the U.S. This course is designed for ISI majors but may be elected by non-majors with the approval of the instructor.

**SPA 3001L INTRODUCTION TO INTERPRETING IN PUBLIC SCHOOLS LAB (1)**

PR: Admission to ISI Program. CR: SPA 3001. The lab assists students in assessing and improving their interpreting and transliterating skills through videotapes of simulated interpreting assignments.

**SPA 3002 INTRODUCTION TO DISORDERS OF SPEECH AND LANGUAGE -SS (3)**

PR: Junior standing and CI. 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 3003 OVERVIEW OF LANGUAGE LEARNING IN DEAF CHILDREN (3)**

PR: Admission to ISI Program. CR: SPA 3003L. Overview of language development of deaf children from infancy through young adulthood, including various theories of language development in the deaf and communication/language of the deaf assessment techniques, and interpreting skills relating to learning processes. This course is restricted to majors only.

**SPA 3003L OVERVIEW OF LANGUAGE LEARNING IN DEAF CHILDREN LAB (1)**

PR: Admission to ISI Program. CR: SPA 3003. 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 a development of flexibility in using different modes and languages, and the implications for interpreters. This course is restricted to majors only. This course may be repeated for up to 2 credits.

**SPA 3004 INTRODUCTION TO LANGUAGE DEVELOPMENT AND DISORDERS (3)**

PR: SPA 3002, SPA 3112 or CI. This course introduces theoretical concepts and research findings concerning the normal developmental processes of language learning as a basis for differentiating developmental delay or disorder of language.

**SPA 3011 INTRODUCTION TO SPEECH SCIENCE (3)**

PR: 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 3028 INTRODUCTION TO AUDITORY FUNCTIONS (3)**

PR: Admission to ISI Program. An overview of hearing science and speech science relating to the educational



environment. This course orients the student to the variables extant 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. This course is restricted to majors

**SPA 3030 INTRODUCTION TO HEARING SCIENCE (3)**

PR: Junior standing and CI. 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)**

PR: Junior standing and CI. The neurological and anatomical basis of communication disorders. Comparisons of normal and pathological organic structures and their functional dynamics.

**SPA 3112 APPLIED PHONETICS IN COMMUNICATION DISORDERS (3)**

PR: Junior standing and CI. 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)**

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 3380 BASIC AMERICAN SIGN LANGUAGE (4)**

PR: CI. 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 laboratory course work is included. Open to all majors.

**SPA 4000 COMMUNICATION DISORDERS IN THE PUBLIC SCHOOLS (3)**

PR: CI. 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. (Non-major course only).

**SPA 4050 INTRODUCTION TO THE CLINICAL PROCESS -XMW (3)**

PR: SPA 4930 and SPA 3310. Observation and participation in speech-language pathology and audiology practicum in the University clinical laboratory.

**SPA 4201 PHONOLOGICAL DEVELOPMENT AND DISORDERS (3)**

PR: SPA 3011. An examination of normal and deviant articulatory acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

**SPA 4210 VOCAL DISORDERS (3)**

PR: SPA 3011 and SPA 3310. A comprehensive study of the medical and physical aspects of voice disorders. Primary emphasis is on therapeutic management.

**SPA 4222 FLUENCY DISORDERS (3)**

PR: SPA 4201. A comprehensive study of disfluent speech behavior. Differential diagnosis, principles of therapeutic intervention, procedures for children and adults will be studied. Major theories and models of the development and origin of stuttering are also presented.

**SPA 4331 FUNDAMENTALS OF FINGERSPELLING (2)**

PR: CI. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

**SPA 4332 STRUCTURE OF SIGN LANGUAGE (3)**

PR: CI. Semiotic and linguistic consideration of American Sign Language (ASL). Includes aspects of phonology, syntax, semantics, and discourse in ASL.

**SPA 4335 SIGN LANGUAGE CODES (3)**

PR: CI. A review of the sign systems (SEE I, SEE II, L.O.V.E., and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

**SPA 4363 NATURE AND NEEDS OF HEARING IMPAIRED (3)**

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 4371 LEGAL, ETHICAL, AND TECHNICAL ISSUES OF WORKING WITH DEAF (3)**

PR: Admission to ISI Program. This course provides the discussion of ethical, technical, procedural, communicative, as well as legal issues and activities that apply to practice of interpreting in educational situations. It focuses on the professionalism and integration of interpreter roles in educational settings. This course is restricted to majors.

**SPA 4382 INTERMEDIATE AMERICAN SIGN LANGUAGE (4)**

PR: SPA 3380 and CI. 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 laboratory course work is included.

**SPA 4383 ADVANCED AMERICAN SIGN LANGUAGE (4)**

PR: SPA 4382 and CI. A continuation of the study of American Sign Language (ASL) at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. One hour laboratory course work is included. Open to all majors.

**SPA 4383L AMERICAN SIGN LANGUAGE LABORATORY (1)**

PR: CI. Laboratory course designed to offer students added practice with the material presented in the ASL coursework through video and audio tapes.

**SPA 4386 INTERPRETING IN PUBLIC SCHOOLS I (3)**

PR: Admission to ISI Program. CR: SPA 4386L. This course provides 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. This course is restricted to majors only

**SPA 4386L INTERPRETING IN PUBLIC SCHOOLS I LAB (1)**

PR: Admission to ISI Program. CR: SPA 4386. This course provides practical application of interpreting the subjects taught in the public school classes. Discussion includes class goals, instructional style, interpreter roles and ethics, language or mode choice, and analysis of the classroom for accessibility and appropriateness for interpreting. This course is restricted to majors only. May be repeated up to 2 credits.

**SPA 4387 INTERPRETING IN PUBLIC SCHOOLS II (3)**

PR: SPA 4386, SPA 4386L. CR: SPA 4387L. 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. This course is restricted to majors only

**SPA 4387L INTERPRETING IN PUBLIC SCHOOLS II LAB (1)**

CR: SPA 4387. 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. This course is restricted to majors only

**SPA 4503 PRACTICUM: INTERPRETING IN SCHOOLS (4)**

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. This course is restricted to majors.

**SPA 4562 COUNSELING OF COMMUNICATIVELY HANDICAPPED AND FAMILY (3)**

PR: SPA 3011 and SPA 3310. Discussion of role of counseling in the treatment of communication disorders. Based on exploration of theoretical constructs, this course demonstrates application of therapeutic methodologies to reduction of communication handicaps.

**SPA 4930 SELECTED TOPICS (3)**

PR: CI. Intensive study of topics in Speech-Language

- Pathology, Audiology, and/or Aural Rehabilitation conducted under the supervision of a faculty member.
- SPA 5132 AUDIOLOGY INSTRUMENTATION** (2)  
PR: CI. Calibration, usage and specific applications of specialized instruments available in dealing with the identification and measurement of hearing disorders.
- SPA 5150 ADVANCED SPEECH SCIENCE** (3)  
PR: SPA 3011 or equivalent. Advanced study of the acoustics, production and perception of normal and disordered speech.
- SPA 5150L SPEECH SCIENCE INSTRUMENTATION** (2)  
PR: CI or SPA 3011 or equivalent. This course offers experience in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.
- SPA 5303 ADVANCED HEARING SCIENCE** (3)  
The study of the physiological acoustics of the auditory periphery; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.
- SPA 5312 PERIPHERAL AND CENTRAL AUDITORY TESTS** (4)  
PR: CI. The study of behavioral and electrophysiologic clinical tests designed to assess the function of the peripheral and the central auditory system. Tests which incorporate nonspeech stimuli and those which utilize speech stimuli will be included.
- SPA 5328 AURAL REHABILITATION: ADULTS** (3)  
This course is designed to provide information about and strategies for aural rehabilitation intervention with hearing-impaired adults. Topics covered include: speechreading, auditory training, hearing and assistive listening devices.
- SPA 5403 COMMUNICATION DISORDERS: LANGUAGE** (3)  
PR: CI. Examination of research and clinical literature presenting major theoretical orientations pertaining to the etiology, evaluations, and treatment of those factors that hinder or interrupt normal language acquisition or function.
- SPA 5408 LANGUAGE LEARNING IN THE SCHOOL-AGE YEARS** (3)  
Metalinguistic and metacognitive development are linked to the interactional demands of classroom and clinical discourse; observational tools are applied to evaluation and intervention planning.
- SPA 5506 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY PRACTICUM** (1-8)  
PR: CI. Participation in speech-language pathology and audiology practicum in the University Communication Disorders Center and selected field settings.
- SPA 5552 DIAGNOSTIC PRINCIPLES AND PRACTICES** (2)  
PR: CI. The evaluation, interpretation and reporting of diagnostic tools and their results in the assessment of speech and language disorders.

### Criminology

- CCJ 3003 CRIME AND JUSTICE IN AMERICA - SS** (4)  
This course is a non-technical survey of the nature of crime in the United States and the ways our society seeks to deal with criminal offenders and victims of crime. May be taken by both majors and non-majors for credit, subject to departmental approval for declared majors.
- CCJ 3024 SURVEY OF THE CRIMINAL JUSTICE SYSTEM -SS** (3)  
An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also included brief coverage of major reported crimes.
- CCJ 3204 SUBSTANTIVE CRIMINAL LAW** (3)  
PR: CCJ 3024. Examines the historical basis of the American criminal law system, the substantive elements of crimes, and court procedures.
- CCJ 3610 THEORIES OF CRIMINAL BEHAVIOR** (3)  
PR: CCJ 3024. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.
- CCJ 3621 PATTERNS OF CRIMINAL BEHAVIOR** (3)  
Reviews the nature and extent of the crime problem. The course will concentrate on major patterns of offender

behavior including crimes against the person, property crimes, violent crimes, economic/white collar offenses, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

- CCJ 3701 RESEARCH METHODS IN CRIMINAL JUSTICE I** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Introduces the student to some of the fundamentals of knowledge-generating processes in criminal justice.
- CCJ 4109 CRITICAL ISSUES IN POLICING** (3)  
PR: CCJ 3024 or CCJ 4110 or CI. Focuses on some of the most critical issues in law enforcement today including: understanding and controlling police use of deadly force; police deviance; police prejudice and discrimination; violence-prone police officer; substance abuse by police officers; and administrative review of alleged police brutality.
- CCJ 4110 AMERICAN LAW ENFORCEMENT SYSTEMS** (3)  
PR: 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.
- CCJ 4260 ENVIRONMENTAL LAW AND CRIME** (3)  
PR: CCJ 3024 or CI. The course provides students with an introduction to issues in the area of environmental crime and environmental law. NOTE: Credit for this course may also be awarded through a similar course offered in the Environmental Science and Policy Program.
- CCJ 4273 CRIMINAL RIGHTS AND PROCEDURES** (3)  
PR: CCJ 3024 or CI. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.
- CCJ 4282 CORRECTIONAL LAW** (3)  
PR: CCJ 3024 or CI. The course provides students with an introduction to legal issues in the area of correctional, with an emphasis on civil and criminal liability for correctional staff and administrators and on convict's rights.
- CCJ 4306 AMERICAN CORRECTIONAL SYSTEMS** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.
- CCJ 4316 CORRECTIONAL ADMINISTRATION** (3)  
PR: CCJ 3024 or CI. The course provides students with an introduction to issues in correctional administration in both institutional and community corrections.
- CCJ 4331 ALTERNATIVES TO INCARCERATION** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment modalities.
- CCJ 4341 INTERVENTION TECHNIQUES AND STRATEGIES** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.
- CCJ 4450 CRIMINAL JUSTICE ADMINISTRATION** (3)  
PR: CCJ 4110 or CJT 4100 or CI. 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 4501 JUVENILE JUSTICE SYSTEM** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Provides coverage of the juvenile and family courts, their clientele, and the complex of human service agencies and facilities that contribute to efforts at juvenile correctional intervention.
- CCJ 4511 POLICE AND JUVENILE DELINQUENCY** (3)  
PR: CCJ 3024 or CI. Focuses on the unique aspects of law enforcement interaction with juveniles and their families. Issues which emerge when working with multi-cultural populations will be discussed. Police efforts at early detection, intervention, and diversion. Interaction with status offenders and children-in-need-of-assistance will be a topic of concern. Community based policing efforts will be analyzed. Gang intervention strategies and school



programs such as school resource officers will be discussed.

- CCJ 4513 JUVENILE RIGHTS AND PROCEDURES** (3)  
PR: CCJ 4501 or CI. The course provides students with an introduction to the Juvenile Justice system, particularly with the issues on juveniles' rights as they relate to the juveniles in trouble who are processed through the beginning of the system as well as with the rights and subsequent procedures that juveniles will encounter as they are processed further through the juvenile justice system or possibly transferred to the adult criminal justice system.

- CCJ 4540 JUVENILE CORRECTIONAL ALTERNATIVES** (3)  
PR: CCJ 4501 or CI. Focuses on juvenile correctional responses from diversion to the use of secure facilities. How the system attempts to handle status offenders and children-in-need-of-supervision will be covered. Diversion, detention, probation, and community-based non-secure facilities will be discussed.

- CCJ 4550 DEVELOPMENTAL ASPECTS OF JUVENILE DELINQUENCY** (3)  
PR: CCJ 3610 and CCJ 4501 or CI. Provides the student with a developmental/life course perspective of the processes, events, and factors which occur during childhood and adolescence and cause juvenile delinquency. This course focuses on the conditions which are critical in shaping the delinquent's behavior during their formative years.

- CCJ 4604 ABNORMAL BEHAVIOR AND CRIMINALITY** (3)  
PR: CCJ 3610 or CI. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

- CCJ 4652 JUVENILE SUBSTANCE USE** (3)  
PR: CCJ 4501 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 socio-demographic characteristics, the context and effects of use of various drugs, the drugs-crime connection, prevention, early intervention and treatment efforts, and drug use policy.

- CCJ 4700 STATISTICAL RESEARCH METHODS IN CRIMINAL JUSTICE II** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Beginning with the scientific method, the tools commonly used to analyze criminal justice data will be emphasized. Recommended for students who intend to continue their education beyond the B.A.. Required of students attending the M.A. in CCJ at USF. This course may not be taken for credit if the student has already successfully completed STA 3122 or GEB 3121.

- \*CCJ 4900 DIRECTED READINGS** (1-3)  
PR: CI. This course is specifically designed to enable advanced students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the close supervision of a faculty member of the program. No more than five hours of CCJ 4900 or CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major.

- \*CCJ 4910 DIRECTED RESEARCH** (1-3)  
PR: CI. This course is designed to provide students with a research experience in which they will work closely with faculty on the development and implementation of research projects in the area of criminal justice. No more than five hours of CCJ 4910 or CCJ 4900 or any combination of the two will be accepted toward the minimum number of hours required for the major.

**\*NOTE:** CCJ 4900 and CCJ 4910. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course, (b) a minimum of four (4) CCJ courses must have been completed satisfactorily prior to enrollment, (c) first consideration will be given to Criminology majors, and (d) individual faculty members may add additional requirements at their discretion.

- CCJ 4933 SELECTED TOPICS IN CRIMINOLOGY** (3)  
PR: Junior standing. Lecture course. Topic varies and is designed to address a wide variety of issues in criminology and criminal justice. Open to non-majors with CI.

- CCJ 4934 SEMINAR IN CRIMINOLOGY -6A -XMW** (3)  
PR: Senior standing and CI. These variable topic seminars are used for an in-depth study and discussion of the relationships among culture, gender, ethics, age, society, and criminal behavior. Such examinations may include the options the criminal justice does (or does not) have to deal with these interactions, and the ethics and efficacy of the system's response. Open to non-majors with CI.

**NOTE:** CCJ 4933 and CCJ 4934. No more than 6 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major.

- CCJ 4940 INTERNSHIP FOR CRIMINAL JUSTICE MAJORS** (3)  
PR: Senior standing. The internship will consist of placement with one or more of the agencies comprising the criminal justice system. This course will enable the students to gain meaningful field experience related to their future careers. The three-hour block of credit will require a minimum of ten hours of work per week within the host agencies in addition to any written work or reading assignments. See requirements for the B.A. degree in Criminology for the number of hours required. (S/U only).

- CJT 4100 CRIMINAL INVESTIGATION** (3)  
PR: CCJ 3024 or CCJ 3610 or CI. Covers the major components of criminal investigation, with special attention to the scientific aspects of criminal investigation and the management of major cases.

- CJT 4801 PRIVATE SECURITY SYSTEMS** (3)  
PR: Junior standing and CCJ 4110 or CI. Examines some of the principal methods and techniques currently used to reduce or prevent losses due to theft and casualty.

## Economics

- ECO 1000 BASIC ECONOMICS -SS** (3)  
Survey of Economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance. (No credit after completing ECO 2023/2013.)

- ECO 2013 ECONOMIC PRINCIPLES (MACROECONOMICS) -SS** (3)  
Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth, balance of payments stability.

- ECO 2023 ECONOMIC PRINCIPLES (MICROECONOMICS) -SS** (3)  
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)  
PR: CI. Topics selected by department. May be repeated if topics vary. Not available for credit to upper-level students admitted to the College of Business.

- ECO 3100 MANAGERIAL ECONOMICS** (3)  
PR: ECO 2023. Application of microeconomic theory to problems in business decision making with a special focus on price determination. (No credit after completing ECO 3101.)

- ECO 3101 INTERMEDIATE PRICE THEORY** (3)  
PR: ECO 2023. The price system and allocation of scarce resources between competing uses. (No credit after completing ECO 3100.)

- ECO 3203 INTERMEDIATE INCOME & MONETARY ANALYSIS** (3)  
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)  
PR: ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.

- ECO 3703 INTERNATIONAL ECONOMICS -XMW** (3)  
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)  
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 certainty, 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**  
PR: Grade of "B" or better in ECO 3203. An advanced survey of special topics in macroeconomics. Develops and contrasts the neoclassical growth, endogenous growth, real business cycle and new Keynesian models. Relevant empirical studies are presented.
- ECO 4303 HISTORY OF ECONOMIC THOUGHT** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.
- ECO 4323 MARXIST POLITICAL ECONOMY -XMW** (3)  
PR: ECO 2013 or CI. The Marxist school of thought in economics. Application of Marxist theory to problems of advanced capitalist and socialist societies.
- ECO 4401 INTRODUCTION TO MATHEMATICAL ECONOMICS** (3)  
PR: ECO 2023 and MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.
- ECO 4421 INTRODUCTION TO ECONOMETRICS** (3)  
PR: QMB 3200 with grade of "B" or better or CI. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions. Examines problems of autocorrelation, heteroscedasticity, multicollinearity, and specification errors.
- ECO 4504 PUBLIC FINANCE** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. The public sector and its contribution to economic welfare. Government expenditures and revenues. Resource allocation, income distribution, stabilization, and economic growth.
- ECO 4713 INTERNATIONAL MONETARY RELATIONS** (3)  
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.
- ECO 4723 INTERNATIONAL COMMERCIAL POLICIES** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.
- ECO 4905 INDEPENDENT STUDY** (1-3)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 credit hours. (S/U only.)
- ECO 4914 INDEPENDENT RESEARCH** (1-3)  
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.
- ECO 4935 SELECTED TOPICS IN ECONOMICS** (1-3)  
PR: CI. Topics to be selected by the instructor or instructors on pertinent economic issues.
- ECP 3201 ECONOMICS OF WOMEN AND WORK -XMW** (3)  
PR: ECO 1000 or ECO 2013 and 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, gender differences in occupation and earnings.
- ECP 3203 LABOR ECONOMICS** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Determinants of wage and employment levels; occupation, industrial and geographical wage differentials, union and

public policy effects on labor markets; the economics of discrimination; inflation and unemployment.

- ECP 3302 ENVIRONMENTAL ECONOMICS -XMW** (3)  
PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.
- ECP 3413 ECONOMICS OF REGULATION AND ANTITRUST** (3)  
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues or price fixing, mergers, and monopolization, and issues of regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.
- ECP 3530 ECONOMICS OF HEALTH** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Application of economic methods to health care topics. Demand for medical care, public and private health insurance; physician and hospital supply of medical care; government regulations and national healthcare systems.
- ECP 3613 ECONOMICS OF THE URBAN ENVIRONMENT** (3)  
PR: ECO 2013 and ECO 2023. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transportation, pollution, crime and fiscal considerations.
- ECP 4232 COLLECTIVE BARGAINING AND PUBLIC POLICY** (3)  
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.
- ECP 4451 LAW AND ECONOMICS** (3)  
PR: ECO 2023. Advanced analysis of the economic impact of tort, criminal, property and contract law as well as in the formation and adjudication of law.
- ECS 3013 ECONOMIC DEVELOPMENT** (3)  
PR: ECO 2013 or CI. Economic development in emerging nations.
- ECS 4003 COMPARATIVE ECONOMIC SYSTEMS -XMW** (3)  
PR: ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

## English

- AML 3031 AMERICAN LITERATURE FROM THE BEGINNINGS TO 1860** (3)  
A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.
- AML 3032 AMERICAN LITERATURE FROM 1860 TO 1912** (3)  
A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.
- AML 3051 AMERICAN LITERATURE FROM 1912-1945** (3)  
A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.
- AML 3453 HISTORICAL PERSPECTIVES IN EARLY AMERICAN LITERATURE** (3)  
Examines American Literature from the Colonial Period to the Civil War as a manifestation of geographical, political, social, and intellectual forces. Will not be counted toward the English major.
- AML 3604 AFRICAN-AMERICAN LITERATURE -6A -XLW** (3)  
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. (Also offered in Africana Studies.)
- AML 4111 NINETEENTH-CENTURY AMERICAN NOVEL** (3)  
A study of the American novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.



- AML 4121 TWENTIETH-CENTURY AMERICAN NOVEL** (3)  
A study of major trends and influences in American prose fiction from 1900 to the present. Includes works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Updike, Vonnegut, and others.
- AML 4261 LITERATURE OF THE SOUTH** (3)  
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.
- AML 4330 SELECTED AMERICAN AUTHORS** (3)  
The study of two or three related major authors in American literature; the course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be repeated twice for credit with different topics.
- CRW 2100 NARRATION AND DESCRIPTION -6A** (3)  
A study of narrative and descriptive techniques in prose. By making the student sensitive to language usage, it is designed to bridge the gap between expository writing and imaginative writing.
- CRW 3111 FORM AND TECHNIQUE OF FICTION -6A** (3)  
A study of short narrative forms such as the anecdote, tale, character sketch, incident, monologue, epistolary story, and short story as they have been used in the development of fiction and as they exist today.
- CRW 3112 FICTION I -6A** (3)  
PR: CRW 3111. An introduction to fiction writing, beginning with a practical study of the various elements of fiction and proceeding through the many processes of revision to arrive at a completed work of art.
- CRW 3121 FICTION II -6A** (3)  
PR: CRW 3111, CRW 3112. A fiction workshop which provides individual and peer guidance and direction for student writing and which also attempts to encourage the development of critical skills.
- CRW 3311 FORM AND TECHNIQUE OF POETRY** (3)  
An examination of the techniques employed in fixed forms from the couplet through the sonnet to such various forms as the rondel, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are also explored.
- CRW 3312 POETRY I** (3)  
PR: CRW 3311. An introduction to poetry writing utilizing writing exercises employing poetic language and devices; the exercises progress to the writing of both rhymed and unrhymed metrical and non-metrical forms.
- CRW 3321 POETRY II** (3)  
PR: CRW 3311, CRW 3312. A poetry workshop which provides individual and peer guidance and direction for the student's writing and which also attempts to encourage the development of critical skills.
- CRW 4120 FICTION III** (3)  
PR: CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop wherein works may be carried over from CRW 3121 or longer forms such as the novel may be begun. May be taken twice for credit.
- CRW 4320 POETRY III** (3)  
PR: CRW 3311, CRW 3312, CRW 3321. An advanced poetry workshop wherein students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses. May be taken twice for credit.
- CRW 4930 SELECTED TOPICS IN CREATIVE WRITING** (1-4)  
PR: 12 hours of CRW courses or CI. The focus of the course will be governed by student demand and instructor interest. Topics to be covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works. May be repeated up to 8 credit hours.
- ENC 1101, 1102 FRESHMAN ENGLISH -6A -EC** (3,3)  
Instruction and practice in the skills of writing and reading. Courses must be taken in numerical sequence.
- ENC 1121 FRESHMAN ENGLISH: HONORS -6A -EC** (3)  
Honors Section of ENC 1101. Reserved for students in the

University's Honors Program.

- ENC 1122 FRESHMAN ENGLISH II: HONORS -6A -EC** (3)  
PR: ENC 1121. Honors Section of ENC 1102. Reserved for students in the University's Honors Program.
- ENC 2210 TECHNICAL WRITING -6A** (3)  
Effective presentation of technical and semi-technical information.
- ENC 3213 PROFESSIONAL WRITING -6A** (3)  
Introduction to the techniques and types of professional writing, including correspondence and reports most often found in business, technical, and scientific communities.
- ENC 3310 EXPOSITORY WRITING -6A** (3)  
A course teaching the techniques for writing effective prose, excluding fiction, in which student essays are extensively criticized, edited, and discussed in individual sessions with the instructor.
- ENC 4260 ADVANCED TECHNICAL WRITING** (3)  
PR: ENC 2210, or ENC 3310, or CI. Advanced Technical Writing is a course designed to develop writing skills of a high order: technical exposition; technical narration, description, and argumentation; graphics; proposals; progress reports; physical research reports; and feasibility reports.
- ENC 4311 ADVANCED COMPOSITION** (3)  
PR: ENC 3310 or CI. Instruction and practice in writing effective, lucid, and compelling prose, with special emphasis on style, logical argumentation, and critical thinking.
- ENC 4931 SELECTED TOPICS IN PROFESSIONAL AND TECHNICAL WRITING** (3)  
PR: ENC 3213, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student demand and instructor interest. Topics to be covered may include legal writing, the conventions of business writing, and writing for the social sciences.
- ENG 4013 LITERARY CRITICISM** (3)  
A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature.
- ENG 4060 HISTORY OF THE ENGLISH LANGUAGE** (3)  
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)  
Directed study in special projects. Special permission of chairperson required.
- ENG 4907 DIRECTED READING** (3)  
Readings in special topics.
- ENL 3015 BRITISH LITERATURE TO 1616** (3)  
A survey of representative prose, poetry, and drama from its beginnings through the Renaissance, including such poems and figures as Beowulf, Chaucer, Malory, More, Hooker, Skelton, Wyatt, Sidney, Spenser, Shakespeare, Donne, and Jonson.
- ENL 3230 BRITISH LITERATURE 1616-1780** (3)  
A survey of 17th Century and Neoclassical Literature, including such figures as Donne, Herbert, Crashaw, Vaughan, Marvell, Milton, Pope, Swift, Johnson, Boswell, and Goldsmith.
- ENL 3251 BRITISH LITERATURE 1780-1900** (3)  
The poetry and poetics of the Romantic figures, with attention to the continuing importance of romantic thinking in contemporary affairs and letters; a survey of representative figures of the Victorian and Edwardian periods, including poetry, prose, and drama.
- ENL 3273 BRITISH LITERATURE 1900-1945** (3)  
Survey of poetry, drama, and fiction of such writers as Eliot, Yeats, Thomas, Conrad, Shaw, Joyce, Lawrence, Huxley, Woolf, Forster, Waugh, Owen, Auden, O'Casey, and others.
- ENL 3331 EARLY SHAKESPEARE** (3)  
A study of from six to eight of Shakespeare's comedies, histories, and early tragedies, ending with *Hamlet*. Special attention to developing the student's ability to read and interpret the text.

- ENL 3332 LATE SHAKESPEARE** (3)  
A study of from six to eight of Shakespeare's problem plays, major tragedies, and late romances. Special attention to developing the student's ability to read and interpret the text.
- ENL 4122 BRITISH NOVEL THROUGH HARDY** (3)  
A study of early and later British novels such as Fielding, Smollett, Sterne, Austen, Scott, Dickens, Eliot, and Hardy, among others.
- ENL 4132 BRITISH NOVEL: CONRAD TO THE PRESENT** (3)  
A critical study of British fiction from 1900 to the present, with emphasis on such writers as Conrad, Lawrence, Joyce, Woolf, Huxley, Orwell, Burgess, Murdoch, Golding, and others.
- ENL 4171 HISTORY OF BRITISH DRAMA TO 1912** (3)  
A study of the history of British Drama from its liturgical origins to the beginning of the twentieth century, exclusive of Shakespeare. Included are the mystery and morality plays, and representative works by Marlowe, Jonson, Middleton, Dryden, Congreve, Sheridan, and Wilde, and others.
- ENL 4303 SELECTED AUTHORS** (3)  
The study of two or three related major figures in English, American, or World Literature. The course may include such writers as Fielding and Austen, Keats and Yeats, Joyce and Flaubert, etc. Specific topics will vary. May be taken twice for credit with different topics.
- ENL 4311 CHAUCER** (3)  
An intensive study of *The Canterbury Tales* and major critical concerns.
- ENL 4338 ADVANCED STUDIES IN SHAKESPEARE** (3)  
PR: ENL 3331 or ENL 3332, or CI. Intensive study of selected plays of Shakespeare, with special attention to significant critical issues and to the Elizabethan and Jacobean cultural setting.
- ENL 4341 MILTON** (3)  
Study of the poetry and major prose of John Milton, with special emphasis on *Paradise Lost*.
- LIN 3670 ENGLISH GRAMMAR AND USAGE** (3)  
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 4671 TRADITIONAL ENGLISH GRAMMAR** (3)  
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)  
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.
- LIT 2000 INTRODUCTION TO LITERATURE -6A** (3)  
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)  
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 2021 CURRENT SHORT FICTION** (3)  
Traditional and experimental short stories of this generation: such writers as Updike, Malamud, O'Connor, Roth, Barth, Ionesco, and Barthelme. Will not be counted toward the English major.
- LIT 2030 INTRODUCTION TO POETRY -6A** (3)  
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)  
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 2046 DRAMA: TEXTS AND FILMS** (3)  
A study of the great works of drama, with emphasis on recent forms and themes. Films will demonstrate the possibilities of visualization. Will not be counted toward the English major.
- LIT 2091 CURRENT NOVELS** (3)  
A study of major British and American novels since WW II; attention will be given to the cultural influences and recent literary trends. Will not be counted toward the English major.
- LIT 2310 FANTASY AND SCIENCE FICTION** (3)  
A survey of fantasy and science fiction in England and America from Mary Shelley to the present; includes such writers as Poe, Melville, Ray Bradbury, Arthur C. Clarke, among others. Will not be counted toward the English major.
- LIT 2931 SELECTED TOPICS IN ENGLISH STUDIES** (1-4)  
Varying from semester to semester, the course examines in depth a predominant literary theme or the work of a select group of writers. Will not be counted toward the English major.
- LIT 3022 MODERN SHORT NOVEL** (3)  
A study of the novella from the nineteenth century to the present. Writers include: James, Dostoevsky, Camus, Styron, Nabokov, Gardner, Roth, Vonnegut, among others.
- LIT 3043 MODERN DRAMA** (3)  
A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.
- LIT 3073 CONTEMPORARY LITERATURE -6A -XLW** (3)  
An introduction to the fiction, poetry, and drama written since 1945--American, British, Continental, or Multicultural. Focus may be on one, two, or all three genres or on works from any combination of nationalities.
- LIT 3101 LITERATURE OF THE WESTERN WORLD THROUGH THE RENAISSANCE -6A** (3)  
A study in English of the great works of Western Literature from its beginnings through the Renaissance, including the Bible, Homer, Sophocles, Plato, Euripides, Virgil, Cicero, Dante, Petrarch, Machiavelli, and Rabelais, among others.
- LIT 3102 LITERATURE OF THE WESTERN WORLD SINCE THE RENAISSANCE -6A** (3)  
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 -XMW -XLW** (3)  
PR: Junior/Senior standing. 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** (3)  
A study of the Modern European novel in translation as it developed from the nineteenth century to the present, including such writers as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.
- LIT 3155 TWENTIETH CENTURY LITERATURE -HP** (3)  
Examines major literary works of the 20th Century written in English and explores ways authors have expressed the age, its great issues and conflicts, in order to gain an historical perspective that will help relate the present to the recent past. Designed for non-majors, but majors may take it by special arrangement.
- LIT 3301 CULTURAL STUDIES AND THE POPULAR ARTS -6A -XMW -XLW** (3)  
A study of twentieth century culture as it is represented in film, fiction, and other cultural artifacts.



- LIT 3374 THE BIBLE AS LITERATURE -XMW** (3)  
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. Course may be repeated for credit with change of content; may be counted only once toward the English major.
- LIT 3383 THE IMAGE OF WOMEN IN LITERATURE** (3)  
A survey of feminism, antifeminism, sexual identity, the feminine mystique, stereotyped and liberated female images from Sappho to the present, with special emphasis on women writers and on the emergence of the women's movement. Will not be counted toward the English major. (Also offered under Women's Studies.)
- LIT 3410 RELIGIOUS AND EXISTENTIAL THEMES** (3)  
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 -XMW -XLW** (3)  
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. Will not be counted toward the English major.
- LIT 3700 SURVEY OF POETRY** (3)  
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 4011 THEORY OF FICTION** (3)  
Intensive study of the genres and varieties of fiction to ascertain the theoretical and technical problems involved in the work of fiction.
- LIT 4386 BRITISH AND AMERICAN LITERATURE BY WOMEN -6A -XLW -XMW** (3)  
Survey of women's literary tradition in England and America from the seventeenth century to the present. Thematic focus includes self, marriage, sexuality, madness, race, and generations. Open to majors and non-majors. Writing intensive.
- LIT 4930 SELECTED TOPICS IN ENGLISH STUDIES** (1-4)  
The content of the course will be governed by student demand and instructor interest. It will examine in depth a recurring literary theme or the work of a small group of writers. Special courses in writing may also be offered under this title. May be repeated with different topics.
- REA 1105 ADVANCED READING** (3)  
Designed to help students develop maximum reading efficiency. The course includes extensive instruction and laboratory practice in the improvement of adequate rates of reading, vocabulary, and comprehensive skills. An independent study approach is also available for students who prefer to assume responsibility for their own progress. Will not be counted toward the English major.
- REA 1605 LEARNING STRATEGIES WITHIN ACADEMIC DISCIPLINES** (2)  
To provide within any academic discipline the necessary learning strategies needed for success related to academic coursework. Practice of learning strategies will be within the framework of the student's coursework, providing direct transfer to academic area material. Will not be counted toward the English major.
- REA 2405 SPEED READING DEVELOPMENT** (2)  
A course designed to develop speed reading techniques on various levels of difficulty. Emphasis is placed on comprehension via numerous practice drills. Will not be counted toward the English major. (S/U only.)
- REA 2505 VOCABULARY** (3)  
A practical course in rapid vocabulary improvement for students in all areas. Stress is on words in context. Will not be counted toward the English major.
- WST 4262 LITERATURE BY AMERICAN WOMEN OF COLOR - 6A -XLW** (3)  
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. Will not be counted toward the English major. (May also be taken for credit in Women's Studies.)

- WST 4263 THIRD WORLD WOMEN WRITERS -6A -XLW** (3)  
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. Will not be counted toward the English major. (May also be taken for credit in Women's Studies.)

## Environmental Science and Policy

- EVR 2001 INTRODUCTION TO ENVIRONMENTAL SCIENCE** (3)  
CR: EVR 2001L. An introductory lecture course linking the human and physical/chemical world. The course will develop an understanding of population and resource interactions.
- EVR 2001L ENVIRONMENTAL SCIENCE LAB** (1)  
CR: EVR 2001. A laboratory course linking the human and physical/chemical 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)  
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 national and international level.
- EVR 4027 WETLAND ENVIRONMENTS -XMW** (3)  
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 4910 ENVIRONMENTAL SCIENCE AND POLICY PROJECT** (3)  
Environmental science project consisting of research in a field related to environmental science/environmental policy. Supervised by a faculty member. Open to senior majors only. (S/U only.)
- EVR 4921 ENVIRONMENTAL SCIENCE AND POLICY SEMINAR** (1)  
A reading and discussion seminar focusing on the interdisciplinary nature of environmental science and environmental policy. Restricted to senior majors. Repeatable up to 3 cr. hrs. (S/U only.)
- EVR 4930 SELECTED TOPICS** (1-4)  
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, Economics and Law included.
- EVR 4940 ENVIRONMENTAL SCIENCE INTERNSHIP** (3)  
The purpose of this course is to promote the student's understanding and application of environmental science within a practical organizational context. Contract and project report required. Open to senior majors only. (S/U only.)

## Geography

- GEA 2005 GLOBAL GEOGRAPHY -SS -HP -AF** (4)  
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, environmental, and physical diversity.
- GEA 3009 GENERAL GEOGRAPHY** (4)  
Selected topics in regional and topical geography offered as survey courses. Open to all students.
- GEA 3194 REGIONAL GEOGRAPHY** (4)  
Variable title course to systematically study and compare special regions identified by the instructor.
- GEA 3202 GEOGRAPHY OF ANGLO-AMERICA** (4)
- GEA 3300 GEOGRAPHY OF MIDDLE AMERICA** (4)
- GEA 3360 GEOGRAPHY OF GULF OF MEXICO** (4)
- GEA 3405 GEOGRAPHY OF LATIN AMERICA -6A** (4)
- GEA 3500 GEOGRAPHY OF EUROPE -6A** (4)
- GEA 3554 GEOGRAPHY OF THE USSR** (4)
- GEA 3600 GEOGRAPHY OF AFRICA** (4)

- GEO 1930 GEOGRAPHY OF CURRENT EVENTS-SS** (4)  
Application of basic geographic principles of the analysis of contemporary events in various parts of the world.
- GEO 2041C MAP INTERPRETATION** (4)  
Analysis and synthesis of various types of maps and map projections.
- GEO 2371 INTRODUCTION TO EARTH SYSTEMS SCIENCE -NS** (3)  
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. For non-majors only.
- GEO 3013 INTRODUCTION TO PHYSICAL GEOGRAPHY** (4)  
Principles and concepts of the discipline; maps, earth-sun relationships, weather, climate, soil, water, and landforms.
- GEO 3402 HUMAN GEOGRAPHY** (4)  
Systematic treatment of humans' activities and relationships on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.
- GEO 3602 URBAN GEOGRAPHY** (4)  
PR: GEO 3402 or CI. Geographic analysis of urban areas; development, site, situation, internal structure, and hinterland are considered.
- GEO 3901 ELEMENTS OF GEOGRAPHY** (1)  
Independent study; various topics in physical and cultural geography. (S/U only.)
- GEO 3931C SELECTED TOPICS** (4)
- GEO 4100C CARTOGRAPHY** (4)  
PR: GEO 3013. Map compilation and graphic presentation.
- GEO 4114C GEOGRAPHIC TECHNIQUES AND METHODOLOGY** (4)  
PR: 12 credit hours in Geography or CI. Selected topics in various geographic techniques and methodologies and their application.
- GEO 4124C AIR PHOTO INTERPRETATION** (4)  
PR: GEO 3013 or CI. Detection, identification, and analysis of objects on the earth's surface. Techniques other than photographic are also considered.
- GEO 4164C QUANTITATIVE METHODS** (4)  
PR: 12 credit hours in Geography or CI. Statistical analysis in geographic research.
- GEO 4201C ADVANCED PHYSICAL GEOGRAPHY** (4)  
PR: GEO 3013 or CI. Intensive study of a topic selected from physical geography.
- GEO 4210 PROCESS GEOMORPHOLOGY** (4)  
PR: GEO 3013 or GLY 2010 or CI. Origin, evolution, and distribution of the landforms of North America.
- GEO 4280C HYDROLOGY** (4)  
PR: GEO 3013 or CI. Hydrologic cycle; precipitation, evapotranspiration, water budget, streamflow, and probability analysis.
- GEO 4340 HUMAN RESPONSE TO NATURAL HAZARDS** (4)  
The impact of hurricanes, tornadoes, earthquakes, sink holes, fire, freezes, and droughts on people; attempts to overcome or avoid these hazards.
- GEO 4372 GLOBAL CONSERVATION - 6A -XMW** (4)  
The distribution, exploitation, and conservation of physical and human resources, ecology.
- GEO 4421 CULTURAL GEOGRAPHY** (4)  
PR: GEO 3402 or CI. The interrelationships of culture and environment, from earlier times to the present.
- GEO 4460 HISTORICAL GEOGRAPHY** (4)  
PR: GEO 3402 or CI. Survey of evolving landscapes through time; analysis is made by means of systematic and regional methods in order to reconstruct the changing culture-environment equation.
- GEO 4470 POLITICAL GEOGRAPHY -XMW** (4)  
PR: GEO 3402 or CI. The factors underlying geo-political decisions and influencing their outcome; the geographic consequences of these decisions.
- GEO 4502 ECONOMIC GEOGRAPHY** (4)  
PR: GEO 3402 or CI. The spatial organization of economic production, consumption, and exchange systems.
- GEO 4604 ADVANCED URBAN GEOGRAPHY -XMW** (4)  
PR: GEO 3402, GEO 3602, or CI. Intensive examination of

issues such as economic restructuring and inner-city decline, ghetto formation, gentrification, transportation, and policy-making.

- GEO 4700 TRANSPORTATION GEOGRAPHY** (4)  
PR: GEO 3402 or CI. Interrelationships between freight and passenger transportation and land use, in terms of site, traffic generation, and circulation.
- GEO 4900 DIRECTED READING** (1-4)  
PR: 20 hours in geography and CI prior to registration. May be repeated.
- GEO 4910 INDIVIDUAL RESEARCH** (1-4)  
PR: 20 hours in geography and CI prior to registration. May be repeated.
- GEO 4933 GEOGRAPHY COLLOQUIUM** (1)  
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 5058 GEOGRAPHIC LITERATURE AND HISTORY** (3)  
PR: Senior or graduate standing in geography, or CI. The origins and development of the discipline as revealed through an examination of the principal written sources. Special attention paid to leading personalities and modern periodicals.
- MET 4002 CLIMATOLOGY** (4)  
PR: GEO 3013 or CI. An introductory course which includes an examination of climatic classification systems, problem climates, and the application of climate to selected topics such as world vegetation patterns, agriculture, housing and health.
- MET 4010C METEOROLOGY** (4)  
PR: GEO 3013 or CI. The earth's atmosphere and its processes; weather forecasting and analysis; instrumentation.
- URP 4052 URBAN AND REGIONAL PLANNING** (4)  
The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

## Geology

- GLY 2010 DYNAMIC EARTH: INTRODUCTION TO PHYSICAL GEOLOGY -NS** (3)  
Study of minerals, rocks, and processes of the earth's crust. Introduction to origin and classification of earth's materials and landforms.
- GLY 2010L DYNAMIC EARTH LABORATORY** (1)  
PR: GLY 2010 or concurrent registration. Laboratory study of earth materials, landforms, geologic structures, topographic and geologic maps. Lec-lab-field trips. Required for Geology majors; open to non-majors.
- GLY 2030 ENVIRONMENTAL GEOLOGY -NS** (3)  
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 land use and planning. No credit for students with 2010. May substitute for 2010 for geology majors.
- GLY 2040 ORIGINS: FROM THE BIG BANG TO THE ICE AGE -NS** (3)  
The history of the cosmos, origin of the universe, galaxies, the solar system, and earth, evolution of life, great extinctions including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.)
- GLY 2100 HISTORY OF THE EARTH AND LIFE -NS** (3)  
PR: A course in geology. Study of the physical and biological history of the earth including evolution of the major groups of organisms, continental drift, and interpretation of ancient environments.
- GLY 2100L EARTH HISTORY LABORATORY** (1)  
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)  
Topical courses in geology of general interest. Does not count toward the geology major.



- GLY 3200 MINERALOGY** (4)  
PR: GLY 2010, one year of chemistry, or CI. Principles of crystal chemistry, crystallography and mineralogy with emphasis on common rock-forming minerals. Lec.-lab.
- GLY 3400C STRUCTURAL GEOLOGY** (4)  
PR: 12 hours of geology, MAC 2132 or equivalent or CI. Study of the origin and development of structural features of the earth's crust. Applications of principles of geology, physics, and mathematics to understanding relationships of strata and interpreting structural features. Study of regional tectonics and major structural provinces. Lec.-lab.
- GLY 3610C INTRODUCTION TO INVERTEBRATE PALEONTOLOGY** (4)  
PR: GLY 2100, BSC 2010C or equivalent strongly encouraged as background. Lectures cover principles and applications of paleontology, including biostratigraphy, taphonomy, paleoecology, and micro- and macroevolutionary patterns and processes. Labs survey the invertebrate phyla comprising the bulk of the fossil record.
- GLY 3850 GEOLOGY FOR ENGINEERS** (3)  
PR: Junior standing in College of Engineering or CI. 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. (No credit toward the geology major, or for those with credit for GLY 2010.)
- GLY 4310 PETROLOGY** (4)  
PR: GLY 3200, CI. The formation of igneous and metamorphic rocks in varying tectonic environments. Emphasis is placed on the identification of igneous and metamorphic rocks in hand specimens and thin sections. Lec.-lab.
- GLY 4550 DEPOSITIONAL SYSTEMS** (4)  
PR: GLY 4552C. Study of modern sedimentary environments and their relationships to one another in order to understand environments preserved in the rock record. Physical, chemical, and biological aspects of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in the stratigraphic record.
- GLY 4552C SEDIMENTARY GEOLOGY AND GEOCHEMISTRY** (4)  
PR: GLY 2010, GLY 3200, and one year of chemistry. A lecture and laboratory class that integrates knowledge of the lithosphere, atmosphere, biosphere, hydrosphere, and cyrosphere to study the sedimentary rock record. Examination of the rock record to solve problems in sedimentary geology.
- GLY 4700 GEOMORPHOLOGY** (4)  
PR: Senior or advanced junior standing and CI. Origin, evolution and distribution of land forms and soils. Dynamics of the earth's surface. Lec.-lab.-field trips.
- GLY 4730 MARINE GEOLOGY** (3)  
PR: 12 hours of geology or CI. General survey of the geology of the ocean floor from beaches to ocean trenches including sediments, processes, tectonics and history.
- GLY 4734 BEACHES AND COASTAL ENVIRONMENTS -XMW** (3)  
PR: Junior standing. 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)  
PR: 1 geology course. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field description techniques introduced. Topic/destination of trip varies. Trip requires camping and vigorous physical activity. May be repeated up to 9 hours, as destinations vary. Lec. Field trip.
- GLY 4822 INTRODUCTION TO HYDROGEOLOGY** (4)  
PR: GLY 2010, advanced junior or senior standing, one year each physics and calculus or CI. Ground water flow

systems, ground water geology, introduction to numerical and analytical models of ground water flow. Lec.-lab.-field trips.

- GLY 4905 INDEPENDENT STUDY** (1-3)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated. (S/U only)
- GLY 4915 UNDERGRADUATE RESEARCH** (1-3)  
PR: Senior or advanced junior standing and written permission of department prior to registration. Individual experimental investigations with faculty supervision. (S/U only)
- GLY 4920 GEOLOGY COLLOQUIUM** (1)  
PR: Senior standing in Geology. Weekly topical lectures by faculty, graduate students and invited speakers. (S/U only)
- GLY 4930 SELECTED TOPICS IN GEOLOGY** (1-4)  
Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of geology included. Departmental permission required prior to registration.
- GLY 4970 UNDERGRADUATE HONORS THESIS** (3)  
Open to seniors admitted to the Geology undergraduate honors program. Students will complete an independent research project under supervision of a faculty member, and present results in a senior thesis and a public presentation.
- GLY 4981 MOONS, PLANETS AND METEORS: AN INTRODUCTION TO PLANETARY SCIENCE -XMW** (3)  
PR: Junior standing. Solar System exploration, from Aristotle to NASA. Modern views on the origins of meteorites, the Moon, Mars, Venus, and other planetary bodies, and the methods of planetary study. Meteor impacts, their effects, future hazard. Space science as a tool in the study of the Earth. Field trips, lectures, Internet exercises.
- GLY 5752 GEOLOGICAL FIELD EXCURSION** (2)  
Lectures and 2-3 week field excursion 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)  
PR: STA 2023 or equivalent or CI. Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geological problems. Lec.
- GLY 5932 SELECTED TOPICS IN GEOLOGY** (1-4)  
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study under supervision of a faculty member. All areas of geology included. Departmental permission required prior to registration.
- OCE 2001 INTRODUCTION TO OCEANOGRAPHY -NS** (3)  
Overview of biological, chemical, geological, and physical oceanography. May substitute for 2010 for geology majors. (Also listed under Marine Science.)

## Gerontology

- GEY 3000 INTRODUCTION TO GERONTOLOGY -SS** (3)  
This course is designed to be an introduction to the study of aging. The aging process is viewed from a multi-disciplinary perspective including the biological, psychological, and sociological aspects of aging.
- GEY 3601 BEHAVIOR CHANGES IN LATER LIFE** (3)  
A survey of physical and psychological aspects of aging from middle age through older age. Course emphasis will be on basic age-related changes and their implications for behavior in older age.
- GEY 3625 SOCIOCULTURAL ASPECTS OF AGING -6A -SS -AF** (3)  
Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosophic, and demographic aspects of aging, theories of social gerontology, attitudes toward aging and the aged, cross-cultural perspectives on aging, the sociology of retirement, and aging and the community.

- GEY 4327 LONG-TERM CARE ADMINISTRATION I** (3)  
PR: GEY 3000. A survey of Long Term Care (LTC) environments. Explored are such issues as definitions of LTC, physiological conditions of LTC uses, the institutional setting, the sociopsychological context, and methods of evaluation and intervention.
- GEY 4328 LONG-TERM CARE ADMINISTRATION II** (3)  
PR: GEY 4327. Administration of long-term care institutions from a group dynamics perspective. Emphasis on informed problem solving and decision-making via analysis of the psychosocial and sociocultural environment in the nursing home community, including case studies and actual visits to nursing homes. Course objective is to create efficient and humane living and working conditions in nursing homes.
- GEY 4329 LONG-TERM CARE ADMINISTRATION III** (3)  
PR: GEY 4328. This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts.
- GEY 4360 GERONTOLOGICAL COUNSELING** (3)  
An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.
- GEY 4401 RESEARCH METHODS IN GERONTOLOGY** (3)  
PR: STA 2122 or equivalent. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.
- GEY 4610 PSYCHOLOGY OF AGING** (3)  
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. (Also offered under Psychology.)
- GEY 4640 DEATH AND DYING** (3)  
PR: GEY 3000. A broad overview of the basic concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.
- GEY 4900 DIRECTED READINGS** (1-3)  
PR: CI. A reading program with topics in gerontology conducted under the supervision of a faculty member.
- GEY 4935 SPECIAL TOPICS IN GERONTOLOGY** (3)  
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** (3-9)  
PR: CI. Internship in an agency or community setting. An assignment to an agency or organization, engaged in planning or administering programs for older people if in the BA program (3-6 hours). A full-time assignment to a nursing home in the BS program (9 hours) subject to availability of internship sites approved by the Department of Gerontology.
- GEY 5620 SOCIOLOGICAL ASPECTS OF AGING** (3)  
Examines, within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social systems and its major institutionalized subsystems.
- GEY 5630 ECONOMICS AND AGING** (3)  
Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security, and other support systems.
- GEY 5642 PERSPECTIVES ON DEATH AND DYING** (3)  
Study of the various psychological, medical, legal, and religious problems caused by dying and death, and of how individuals and groups have responded in the past and present.
- HUS 3001 INTRODUCTION TO HUMAN SERVICES** (3)  
An introduction to the field of human services. Study of the

professions and agencies involved in providing human services. Analysis of the values and ethics of various professional associations.

- HUS 4020 THE LIFE CYCLE** (4)  
An examination of individuals and the physiological and psychosocial changes which occur during infancy, childhood, adolescence, young adulthood, middle age and old age.

## History

- AFH 3100 AFRICAN HISTORY TO 1850 -HP -AF** (3)  
An outline survey of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also offered under Africana Studies.)
- AFH 3200 AFRICAN HISTORY SINCE 1850 -HP -AF** (3)  
Survey of the Colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states, and postindependence problems of nation building and economic development. (Also offered under Africana Studies.)
- AMH 2010, 2020 AMERICAN HISTORY I, II -HP** (3,3)  
A history of the United States with attention given to relevant developments in the Western Hemisphere, AMH 2010: European origins to 1877; AMH 2020: 1877 to present.
- AMH 3110 AMERICAN COLONIAL HISTORY TO 1750** (4)  
A study of the evolution of American society from the Age of Reconnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.
- AMH 3130 THE AMERICAN REVOLUTIONARY ERA** (4)  
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalism, violence, and slavery in American society from 1750-1789.
- AMH 3140 THE AGE OF JEFFERSON** (4)  
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)  
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)  
An examination of political, social, and economic climate of the 1850's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).
- AMH 3201 THE UNITED STATES, 1877-1914** (4)  
A study of the United States 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)  
A study of the United States from World War I to the end of World War II. Covering political, social, and international developments, the course examines the lives of Americans, including minorities and women, during prosperity, war, and the Great Depression.
- AMH 3270 THE UNITED STATES, SINCE 1945** (4)  
A study of the U.S. role in the Cold War, in VietNam, and in the post-Cold War era. It also examines domestic developments such as the consumer culture, protest movements, and the abuses of political power.



- AMH 3403 THE SOUTH SINCE 1865** (4)  
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)  
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.
- AMH 3423 MODERN FLORIDA** (4)  
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)  
A study of American workers from the colonial period to the present. Examines the changing nature of work, its effects on workers (including minorities and women), and their responses as expressed in strikes, unions, and political action.
- AMH 3510 U.S. DIPLOMATIC HISTORY TO 1898 -6A** (4)  
The development of American Foreign Relations in the Agricultural era.
- AMH 3511 U.S. DIPLOMATIC HISTORY IN THE 20TH CENTURY** (4)  
A history of American Foreign Relations in the Industrial era.
- AMH 3530 IMMIGRATION HISTORY** (4)  
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)  
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)  
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)  
A study of women in the evolution of American society from European origins to 1877. Women's roles in the family, economy, politics, wars, and reform movements will be examined. (May also be taken for credit in Women's Studies.)
- AMH 3562 AMERICAN WOMEN II** (4)  
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. (May also be taken for credit in Women's Studies.)
- AMH 3571 AFRICAN AMERICAN HISTORY TO 1865 -HP** (3)  
A survey of African American history, with an emphasis on North Americas to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War. (May also be taken for credit in Africana Studies.)
- AMH 3572 AFRICAN AMERICAN HISTORY SINCE 1865 -HP** (3)  
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. (May also be taken for credit in Africana Studies.)
- AMH 3800 HISTORY OF CANADA** (4)  
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, separatism, and regionalism.
- ASH 3404 MODERN CHINA -SS -HP -AF** (4)  
Political, economic, and social history of China from the

time of the first major Western contacts (17th-18th Centuries) through the consolidation of socialism in the late 1950's, and the Great Leap Forward.

- ASH 3501 HISTORY OF INDIA** (4)  
A study of the major themes of Indian history from the Indus culture to the present. Emphasis will be given to the Classical, Mogul and British periods as well as the modern independent sub-continent.
- EUH 2011 ANCIENT HISTORY I -HP** (3,3)  
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** (3,3)  
An introductory survey of ancient history. EUH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire, A.D. 395.
- EUH 2021, 2022 MEDIEVAL HISTORY I, II -HP** (3,3)  
A thematic survey of the Middle Ages. EUH 2021 deals with the nascent, Christian civilization of European, circa 300-1050 A.D.; EUH 2022 treats the mature medieval civilization of Europe, circa 1050-1500.
- EUH 2030, 2031 MODERN EUROPEAN HISTORY I, II -HP** (3,3)  
A thematic survey of Europe in the modern age. EUH 2030 treats the period from the Renaissance to the French Revolution; EUH 2031, from the French Revolution to the present.
- EUH 3142 RENAISSANCE AND REFORMATION** (4)  
A history of Europe from the Renaissance to the Thirty Years' War (1400-1618). The cultural, social, and economic characteristics will provide the framework for artistic, philosophical, religious, and political developments.
- EUH 3181 MEDIEVAL CULTURE** (4)  
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 3185 VIKING HISTORY** (4)  
The role of the Vikings in the shaping of Western history. A comprehensive survey of their institutions, outlook and daily life. Viking expansion into Europe and North America.
- EUH 3188 MEDIEVAL SOCIETY** (4)  
A study of the daily life and attitudes of the medieval nobleman, peasant, townsmen, and the agrarian-urban economy and society which affected their lives.
- EUH 3189 MEDIEVAL POLITICS** (4)  
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)  
A history of Europe from the beginning of the Thirty Years' War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.
- EUH 3205 HISTORY OF NINETEENTH CENTURY EUROPE** (4)  
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.
- EUH 3206 HISTORY OF TWENTIETH CENTURY EUROPE** (4)  
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.
- EUH 3401 CLASSICAL GREECE** (4)  
A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing as well the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.
- EUH 3402 AGE OF ALEXANDER** (4)  
A study focusing on the career of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome's conquest of the eastern Mediterranean.
- EUH 3412 ROMAN REPUBLIC** (4)  
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)  
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)  
A political, social, and cultural approach to the history of the Germanies from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.
- EUH 3462 GERMAN HISTORY 1870 TO PRESENT** (4)  
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 1688** (4)  
A study of major developments in British history from the 15th century to 1688.
- EUH 3502 BRITISH HISTORY 1688 TO PRESENT** (4)  
A study of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern demographic welfare state.
- EUH 3530 BRITISH EMPIRE AND COMMONWEALTH** (4)  
A study of the development of the British Empire from the age of initial expansion overseas to the creation of the multinational commonwealth. Included are examinations of theory and myth of colonialism as well as the literature of imperialism.
- EUH 3571 RUSSIAN HISTORY TO 1865** (4)  
A survey of the social, political, economic, and cultural development of Russia from the year 800 to 1865. Topics include the personality of Russian rulers, the origins of Russian Socialism, and Russia's relationship to the West.
- EUH 3572 RUSSIAN HISTORY 1865 TO PRESENT** (4)  
An analysis of the tradition from late imperial society to the contemporary Soviet system. Emphasis will be placed on continuity and change in the economic, political, and cultural aspects of Russia from 1865 to present.
- HIS 2931 SPECIAL TOPICS** (2-4)  
This course emphasizes a selected historical problem or issue. A variety of instructional approaches will be taken, and topics may vary.
- HIS 3474 SCIENCE AND CIVILIZATION** (4)  
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)  
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 4104 THEORY OF HISTORY** (4)  
Recommended to be taken during the senior year. Required of all history majors. 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)  
PR: Cl. Arrangement with instructor prior to registration. Readings in special topics.
- HIS 4920 COLLOQUIUM IN HISTORY** (2-4)  
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. May be repeated for credit.
- HIS 4936 PRO-SEMINAR IN HISTORY -6A -XMW** (4)  
PR: Cl. Advanced topics in the various fields of history.

- Emphasis on discussion of assigned readings and on research and writing of a major paper. Required of all history majors. May be repeated up to 12 credit hours.
- HIS 5215 HISTORICAL WRITING** (2)  
A course for graduate and advanced undergraduates to combine library, archival and research skills with an examination of various writing styles. Analytic and synthetic skills are stressed in writing articles, reviews and essays.
- LAH 2020 LATIN AMERICAN CIVILIZATION** (3)  
An introduction to selected issues, events, and people in Latin America from 1492 to the present. Focus on Argentina, Brazil, Chile, Cuba, and Mexico.
- LAH 2734 LATIN AMERICAN HISTORY IN FILM -HP -AF** (3)  
Through the use of films and readings, the course introduces the broad sweep of Latin American history from the pre-Columbian period to today. Emphasis is placed on the social-cultural context to understand the peoples and events that have shaped Latin America.
- LAH 3130 COLONIAL LATIN AMERICA** (4)  
A study of the Spanish and Portuguese Colonial empires in the New World from 1492-1830.
- LAH 3200 MODERN LATIN AMERICA** (4)  
A study of the emergence of the Latin American states. The course will examine developments in Latin America during the nineteenth and twentieth centuries. Special attention is given to the Third World character of the region.
- LAH 3430 HISTORY OF MEXICO** (4)  
Mexican history from pre-Columbian cultures to the twentieth century. Emphasis falls on the colonial political economy, social development, the wars of independence, development of the 19th century Mexican state and the Mexican revolution.
- LAH 3470 HISTORY OF THE CARIBBEAN** (4)  
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/neo-colonial relationships.
- LAH 3480 HISTORY OF CUBA** (4)  
Cuban history from pre-Columbian cultures to the Cuban Revolution. Emphasis on colonization, the sugar economy, the struggles for independence, the political economy of the Republic, and the 20th century revolutionary process.
- WST 3210 WOMEN IN WESTERN CIVILIZATION I -6A -HP** (3)  
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in Women's Studies.)
- WST 3220 WOMEN IN WESTERN CIVILIZATION II -HP** (3)  
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in Women's Studies.)

### Humanities and American Studies

- AMS 2030 INTRODUCTION TO AMERICAN STUDIES -SS -HP(3)**  
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 2363 ISSUES IN AMERICAN CIVILIZATION** (1-4)  
An examination of selected topics such as natural environment and the quality of life, sports and American society, popular music, American communities, vigilante tradition, jazz music, role of the family, American success myth, youth in America. Topic varies.
- AMS 3001 AMERICAN CULTURE 1880-1915 -6A -HP** (4)  
Integration of major aspects of American life between the 1880s and World War I.
- AMS 3201 COLONIAL AMERICAN CULTURE -HP** (4)  
An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.



- AMS 3210 REGIONS OF AMERICA -HP** (4)  
The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions. Topic varies. Repeatable up to eight credit hours.
- AMS 3230 AMERICA DURING THE TWENTIES AND THIRTIES** (4)  
Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.
- AMS 3260 AMERICAN CULTURE, 1830-1860 -6A -HP** (4)  
Examines the patterns of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.
- AMS 3302 ARCHITECTURE AND THE AMERICAN ENVIRONMENT** (3)  
By means of slides, lectures and discussion the course examines 350 years of American architectural history. Architectural styles, aesthetics and the relation between a building and its social environment are stressed.
- AMS 3370 SOUTHERN WOMEN: MYTH AND REALITY -6A -HP** (3)  
This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history. (Also offered under Women's Studies.)
- AMS 3601 MATERIAL CULTURE AND AMERICAN SOCIETY -SS -HP** (3)  
By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans and communal societies.
- AMS 3700 RACISM IN AMERICAN SOCIETY -SS -HP** (3)  
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. (Also offered under Africana Studies.)
- AMS 3930 SELECTED TOPICS IN AMERICAN STUDIES** (1-4)  
Offerings include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.
- AMS 4152 FILM IN AMERICAN CULTURE** (3)  
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.
- AMS 4804 MAJOR IDEAS IN AMERICA -XMW** (3)  
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. May be repeated up to 6 credit hours.
- AMS 4910 INDIVIDUAL RESEARCH** (1-4)  
The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.
- AMS 4930 SELECTED TOPICS IN AMERICAN STUDIES** (1-4)  
Offerings include social implications of American Painting, Technology in Twentieth Century America, American Environmental Problems, Popular Culture in America, American Military Experience, and Labor in America.
- AMS 4935 SENIOR SEMINAR IN AMERICAN STUDIES** (4)  
PR: Senior in American Studies or Cl.
- AMS 4936 SENIOR SEMINAR IN AMERICAN STUDIES** (4)  
PR: Senior in American Studies or Cl.
- HUM 2024 THE ARTS -FA** (3)  
Analysis of selected works of literature, music, film, and visual art, representing artists of diverse periods, cultures, genders, and races. Especially recommended for students who later take 4000-level Humanities courses.

- HUM 2211 STUDIES IN CULTURE: THE ANCIENT THROUGH MEDIEVAL PERIODS -HP** (3)  
A survey of literature and the arts of ancient Greece, Rome, and medieval Europe. Issues to be examined may include the dialogue between local traditions and cosmopolitan cultures, the relationship of the individual to society, and the bases for moral values.
- HUM 2243 STUDIES IN CULTURE: THE RENAISSANCE THROUGH THE TWENTIETH CENTURY -HP** (3)  
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.
- HUM 2930 SELECTED TOPICS** (1-4)  
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). May be repeated up to 8 credit hours with change of content.
- HUM 3251 STUDIES IN CULTURE: THE TWENTIETH CENTURY -HP** (3)  
Analysis of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major political, social, and economic events, such as war, depression, totalitarianism, and technological change.
- HUM 3271 EASTERN AND WESTERN CULTURE FROM ANTIQUITY TO 1400 -AF** (3)  
A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from Ancient times through the Middle Ages, emphasizing Europe and India.
- HUM 3273 EASTERN AND WESTERN CULTURE SINCE 1400 -AF** (3)  
A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from the Renaissance through the present, emphasizing Europe, the United States, and India.
- HUM 4402 HUMANITIES IN INDIA** (4)  
PR: Sophomore standing or Cl. Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.
- HUM 4404 HUMANITIES IN CHINA** (4)  
PR: Sophomore standing or Cl. Examples from the arts and letters of China; their relationship to Taoism, Confucianism and other Chinese philosophies; Western influences on twentieth century Chinese arts and letters.
- HUM 4405 HUMANITIES IN JAPAN** (4)  
PR: Sophomore standing or Cl. Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other Japanese philosophy-religions; Western influences on twentieth century Japanese arts and letters.
- HUM 4433 ANCIENT GREEK CULTURE** (4)  
PR: Sophomore standing or Cl. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Greece, including such authors as Homer, Sophocles, and Plato, and monuments such as the Parthenon.
- HUM 4434 THE CULTURE OF ANCIENT ROME** (4)  
PR: Sophomore standing or Cl. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Rome, including such authors as Virgil, Livy, and Cicero, the monuments of Rome, Pompeii, and Herculaneum.
- HUM 4435 EARLY MEDIEVAL CULTURE** (4)  
PR: Sophomore standing or Cl. A study of the culture of Europe and the Mediterranean world from the 4th to 11th centuries through readings of early Medieval historians, poets, and theologians, as well as the study of illuminated manuscripts, mosaics, painting and architecture.
- HUM 4436 HIGH MEDIEVAL CULTURE** (4)  
PR: Sophomore standing or Cl. A study of the culture of Western Europe from the 11th to 14th centuries. Readings will include poetry and religious works; examples of painting, architecture, sculpture and music will be studied.

- HUM 4437 ITALIAN RENAISSANCE CULTURE** (4)  
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 and Raphael.
- HUM 4438 NORTHERN RENAISSANCE CULTURE** (4)  
PR: Sophomore standing or CI. A study of the Northern Renaissance, 1400-1580, as exemplified in Germany, France, the Netherlands, England, and Spain. The course includes painting, architecture, literature and music, with special study of Durer, Van Eyck, El Greco, and Bosch.
- HUM 4440 ARTS AND LETTERS IN THE 17TH AND 18TH CENTURIES** (4)  
PR: Sophomore standing or CI. A study of the visual arts, literature, and music from the mysticism and ornament of the Baroque to the rationalism and classicism of the Enlightenment, including such artists, authors and composers as Rembrandt, Gentileschi, Voltaire, Bach and Mozart.
- HUM 4442 ARTS AND LETTERS OF THE ROMANTIC PERIOD** (4)  
PR: Sophomore standing or CI. Continental masterworks of fiction, painting, and music in the context of European cultural history from the French Revolution to the Revolutions of 1848.
- HUM 4444 NINETEENTH CENTURY EUROPEAN ARTS AND LETTERS** (4)  
PR: Sophomore standing or CI. A study of continental literary, musical, and artistic masterworks from the Revolutions of 1848 until the outbreak of World War I.
- HUM 4445 TWENTIETH CENTURY ARTS AND LETTERS I** (4)  
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.
- HUM 4446 TWENTIETH CENTURY ARTS AND LETTERS II** (4)  
PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.
- HUM 4452 NINETEENTH CENTURY AMERICAN CULTURE** (4)  
PR: Sophomore standing or CI. Study of selected works of art, tracing the course of American expansionism in civilization, and the interaction between the arts and the sciences in American ways of life and work, 1790-1890.
- HUM 4455 TWENTIETH CENTURY AMERICAN CULTURE** (4)  
PR: Sophomore standing or CI. Study of selected works, tracing the course of expansion in the production and enjoyment of works of art, and interaction between the idealistic and pragmatic concerns for development of the arts in the 20th century.
- HUM 4462 ANCIENT LATIN AMERICAN CULTURE** (4)  
PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the Pre-Columbian period.
- HUM 4464 LATIN AMERICAN CULTURE SINCE 1492** (4)  
PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the colonial through contemporary periods.
- HUM 4905 DIRECTED STUDY** (1-4)  
PR: CI. Specialized individual study determined by the student's needs and interests.
- HUM 4930 SELECTED TOPICS IN HUMANITIES** (1-4)  
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.
- HUM 4931 SEMINAR IN HUMANITIES -6A** (4)  
PR: Humanities major or CI; Senior standing. Discussion of interdisciplinary humanities. Includes essay.

- HUM 4938 MAJOR ISSUES IN THE HUMANITIES -XMW** (3)  
The study of an important topical issue in the Humanities. Materials representing diverse views relating to that issue will be read, and works of art in different media that have relevance to the debate will be studied. Available to majors and non-majors. May be repeated up to 6 credit hours with change in content.
- HUM 4941 STUDY ON LOCATION** (1-4)  
The art of a culture will be examined during travel in groups, led by an instructor, to important cities or sites. Monuments, museums, architecture, plays, and/or concerts will be studied. Reading assignments and lectures.
- PGY 3000 PHOTOGRAPHY IN AMERICAN CULTURE** (3)  
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.

### Interdisciplinary Social Sciences

- ISS 3010 INTRODUCTION TO THE SOCIAL SCIENCES** (3)  
Views social institutions and issues from perspectives of changing paradigms. Integrates the range of social science fields into a global interdisciplinary vantage.
- ISS 3930 SELECTED TOPICS IN THE SOCIAL SCIENCES** (1-4)  
Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.
- ISS 4162 THE CITY AND URBANIZATION** (3)  
An interdisciplinary perspective will be used to analyze the emergence of the city, urban revolution and metropolis. Urban planning and governance will be examined in looking at how urban areas deal with social and physical problem.
- ISS 4164 URBAN SOCIAL ISSUES: AN INTERDISCIPLINARY APPROACH** (3)  
This course is designed to examine current metropolitan issues from an interdisciplinary perspective. Topic selection will be within the broad framework of technological changes, economic conditions, political ideologies, and their impact on changing social patterns.
- ISS 4900 DIRECTED READINGS** (1-3)  
PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest. May be repeated.
- ISS 4910 DIRECTED RESEARCH** (1-3)  
PR: CI. A supervised program of interdisciplinary research in areas of specific interest. May be repeated.
- ISS 4935 SEMINAR IN THE SOCIAL SCIENCES -XMW** (3)  
PR: Senior standing and ISS 3010. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of models to research on salient social issues.
- ISS 5934 SELECTED TOPICS** (1-3)  
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.
- STA 2122 SOCIAL SCIENCE STATISTICS -6A -QM** (3)  
The course presents statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and hypothesis from a wide range of disciplines. Covers topics through bivariate analysis, parametric and non-parametric.

### International Studies

#### AREA STUDIES

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. The same course may be repeated, but only when the countries of concentration differ. The regularly offered area study courses are:



- AFA 4150 AFRICA AND THE UNITED STATES -SS -HP -AF** (3)  
**ASN 3012 JAPAN TODAY** (3)  
**ASN 3014 CHINA TODAY -AF** (3)  
**ASN 3030 THE MIDDLE EAST -AF** (3)  
**EUS 3000 EUROPE -SS** (3)  
**EUS 3022 RUSSIA -SS -AF** (3)  
**LAS 3002 LATIN AMERICA** (3)  
**ASN 3105 THE PACIFIC CENTURY -SS -HP -AF** (3)

Explores the themes and trends which have affected the entire Asia-Pacific region. Textual material and videos trace the emergence of the modern nations of Northeast and Southeast Asia, focusing on the political and economic development of the past 150 years. (Open University - televised course.)

- INR 1015 WORLD PERSPECTIVE -SS -AF** (3)  
 An interdisciplinary study of the international system, major world regions and problems.
- INR 2085 WORLD TENSIONS** (2)  
 A study of the major causes and consequences of critical tensions which lead to serious social disturbances among and within the independent states of the world.
- INR 2930 SELECTED TOPICS** (1-4)  
 International studies with course content dependent on student demand and instructor's interest. For non-majors only. May be repeated as topics vary.
- INR 3003 INTRODUCTION TO INTERNATIONAL STUDIES** (3)  
 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 -XMW** (3)  
 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 -XMW** (3)  
 This course will explore the ways in which culture influences the nature of government, economic success or failure, and constructive and destructive modes of self and social identification.
- INR 3038 INTERNATIONAL WEALTH AND POWER -SS** (3)  
 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)  
 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. Departmental approval required.
- INR 3084 INTERNATIONAL TERRORISM -SS -AF** (3)  
 A study of contemporary international terrorism and its causes, ranging from national liberation movements to networks of philosophical anarchists.
- INR 3141 INTERNATIONAL NUCLEAR POLICY** (3)  
 A study of security issues, regional and global (such as proliferation, arms control, arms transfer) as they relate to contemporary international politics.
- INR 3336 INTELLIGENCE AND U.S. FOREIGN POLICY** (3)  
 An examination of the role of intelligence and the intelligence community in U.S. foreign policy, with emphasis on the period since World War II.
- INR 3770 COMPARATIVE MILITARY SYSTEMS** (3)  
 A comparative study of ways in which the military institutions of various nations are organized and interact with politics, societies and economies.
- INR 3955 OVERSEAS STUDY** (1-6)  
 A program of individual or group research in a foreign country.
- INR 4089 CONFLICT IN THE WORLD -XMW** (3)  
 PR: Junior/Senior standing. An interdisciplinary course examining theories of conflict, conflict resolution processes and strategies, theories and peacemaking strategies, and the concept of Early Warning Systems related to the outburst of conflict.

- INR 4250 THE POLITICAL ECONOMY OF THE SOUTHERN NATIONS -SS -AF** (3)  
 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 4900 DIRECTED READINGS** (1-3)  
 PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest. May be repeated.
- INR 4910 DIRECTED RESEARCH** (1-3)  
 PR: CI. A supervised program of interdisciplinary research in areas of specific interest. May be repeated.
- INR 4931 SELECTED TOPICS** (1-4)  
 Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.
- INR 4936 SENIOR SEMINAR -XMW** (3)  
 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)  
 PR: Senior status. The purpose of the course is to promote the student's understanding of global international issues within a local and practical context. (S/U only.) (For majors only.)
- LAS 3004 THE AMERICAS - LATIN AND CARIBBEAN** (3)  
 This is a telecourse that is designed to introduce the complexities of Latin America and the Caribbean to students in the U.S. (Open University - televised course.)
- LAS 3116 LATIN AMERICA THROUGH FILM -AF** (3)  
 This course will use film, video, selected readings, and lectures to teach the interested student about Latin America.
- WST 3275 WOMEN IN THE DEVELOPING WORLD** (3)  
 A comparative study of woman's status in various developing nations with that in various industrialized states. (Also offered under Women's Studies Program.)

## Languages and Linguistics

### General Foreign Languages

- FOL 3100 GENERAL FOREIGN LANGUAGE I** (1-4)  
 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 4101 GENERAL FOREIGN LANGUAGE II** (1-3)  
 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)  
 Departmental approval required.
- FOL 5906 DIRECTED STUDY** (1-3)  
 PR: FOL 4101 or equivalent.

### Arabic

- ARA 1120 MODERN ARABIC I** (4)  
 CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.
- ARA 1120L MODERN ARABIC I LABORATORY** (1)  
 CR: ARA 1120. 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. (S/U only.)
- ARA 1121 MODERN ARABIC II** (4)  
 PR: ARA 1120 or its equivalent. CR: ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.
- ARA 1121L MODERN ARABIC II LABORATORY** (1)  
 CR: ARA 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required.

quired, and, if dropped, then dropped simultaneously. (S/U only.)

**ARA 2200 MODERN ARABIC III** (4)

PR: ARA 1121 or the equivalent. For language students who intend to attain basic proficiency.

**ARA 2201 MODERN ARABIC IV** (4)

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)

Permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

**ARA 4930 SELECTED TOPICS** (1-5)

Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

**Chinese**

**CHI 1120 MODERN CHINESE I** (4)

CR: CHI 1120L. Mandarin. An intensive study of basic skills: pronunciation, listening, comprehension, speaking, and some composition.

**CHI 1120L MODERN CHINESE I LABORATORY** (1)

CR: CHI 1120. 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. (S/U only.)

**CHI 1121 MODERN CHINESE II** (4)

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)

CR: CHI 1121. 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. (S/U only.)

**CHI 2200 MODERN CHINESE III** (4)

PR: CHI 1121 or the equivalent. For language students who intend to attain basic proficiency.

**CHI 2201 MODERN CHINESE IV** (4)

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)

Permits study options in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 hours. (S/U only.)

**CHI 4930 SELECTED TOPICS** (1-5)

Course permits classes in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

**French**

**FRE 1040 FRENCH FOR READING** (3)

Designed to provide a reading ability in French that will support research in other disciplines. Primarily for graduate students.

**FRE 1120 BEGINNING FRENCH I** (4)

CR: FRE 1120L. The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

**FRE 1120L BEGINNING FRENCH I LABORATORY** (1)

CR: FRE 1120. 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. (S/U only.)

**FRE 1121 BEGINNING FRENCH II** (4)

PR: FRE 1120 or equivalent. CR: FRE 1121L. A continuation of FRE 1120.

**FRE 1121L BEGINNING FRENCH II LABORATORY** (1)

CR: FRE 1121. 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. (S/U only.)

**FRE 1170 OVERSEAS STUDY-ELEM. FRENCH** (4)

Elementary-level French taught in France. In lieu of FRE 1120 and FRE 1121. Departmental approval required. May be repeated up to 8 credit hours.

**FRE 2200 FRENCH III** (3)

PR: FRE 1121 or equivalent. A review of the basic structure of French.

**FRE 2201 FRENCH IV** (3)

PR: FRE 2200 or equivalent. Readings in French on the intermediate level.

**FRE 2240 CONVERSATION II** (3)

PR: FRE 2241 or equivalent proficiency. Conversation practice with concentration on current idiomatic usage.

**FRE 2241 CONVERSATION I** (3)

PR: FRE 1121. For development of basic conversational skills.

**FRE 2270 OVERSEAS STUDY-INTR. FRENCH** (1-6)

PR: Two semesters of university-level French or equivalent proficiency. Departmental approval required. May be repeated up to 12 credit hours.

**FRE 3230 READING IN FRENCH LITERATURE AND CULTURE** (3)

PR: FRE 2201 or equivalent. This course is designed to build reading skills while giving students a broad background in French culture.

**FRE 3420 COMPOSITION I** (3)

A fundamental composition course for students who have completed FRE 2200 and/or 2201.

**FRE 3440 FRENCH FOR BUSINESS** (3)

PR: FRE 2200 or equivalent. An introduction to the French language in ordinary business transactions.

**FRE 3470 OVERSEAS STUDY** (1-6)

An intensive study-travel project in France. Departmental approval required. May be repeated up to 12 credit hours.

**FRE 3500 FRENCH CIVILIZATION** (3)

Readings and discussion on the cultural history of France.

**FRE 4421 COMPOSITION II** (3)

Continuation of French composition. This course is designed to follow FRE 3420.

**FRE 4471 ADVANCED OVERSEAS STUDY** (1-6)

PR: FRE 3470 or CI. Intensive language study in France. Departmental approval required. May be repeated up to 12 credit hours.

**FRE 4700 FRENCH LINGUISTICS** (3)

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)

Departmental approval required.

**FRE 4930 SELECTED TOPICS** (1-3)

Study of an author, movement or theme.

**FRE 5425 ADVANCED WRITTEN EXPRESSION** (3)

PR: FRE 4421, or equivalent. Course is designed to give advanced training in free composition in French.

**FRE 5566 CONTEMPORARY FRANCE** (3)

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.

**FRW 4100 INTRODUCTION TO FRENCH NOVEL** (3)

PR: FRE 3230, FRE 3420. A study of the history of the novel from its early appearance to present times with emphasis on the 19th and 20th centuries. Authors to be studied include Chretien de Troyes, Rabelais, Balzac, Flaubert, Proust, Camus, Sartre, Robbe-Grillet, and others. Specific content may vary from year to year.



**FRW 4101 INTRODUCTION TO FRENCH DRAMA**
**AND POETRY** (3)

PR: FRE 3230. A study of the history of drama and poetry. Will include medieval drama, Racine, Corneille, Moliere, Anouilh, Sartre, Ionesco and others. Will also include Villon, Ronsard, DuBellay, Lamartine, Hugo, Vigny, Musset, Baudelaire, Mallarme, Rimbaud, Valery, Peguy, Eluard, Apollinaire, Char, and others. Course content may vary from year to year.

**FRW 5222 CLASSICAL PROSE AND POETRY**

(3)  
PR: FRW 4101. Emphasis on Malherbe, La Fontaine, Boileau, Descartes, and Pascal.

**FRW 5226 20TH CENTURY POETRY AND THEATRE**

(3)  
PR: FRW 4101. Valery, Claudel, Anouilh, Montherland, Sartre, Ionesco.

**FRW 5286 THE 20TH CENTURY NOVEL**

(3)  
PR: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

**FRW5314 CLASSICAL DRAMA**

(3)  
PR: FRW 4101. Corneille, Moliere, and Racine.

**FRW 5415 LITERATURE OF THE MIDDLE AGES**

(3)  
PR: FRW 4100 or FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.

**FRW 5425 LITERATURE OF THE RENAISSANCE**

(3)  
PR: FRW 4100 or FRW 4101. A study of Renaissance French humanism including Rabelais, Montaigne, and Pleiade poets.

**FRW 5445 18TH CENTURY LITERATURE**

(3)  
PR: FRW 4100. The classical tradition and the new currents of thought in the Age of Enlightenment.

**FRW 5528 PRE-ROMANTICISM**

(3)  
PR: FRW 4100 or FRW 4101. The precursors of romanticism. Emphasis on Rousseau, Bernardin de St. Pierre, Chenier, and Chateaubriand.

**FRW 5535 ROMANTICISM**

(3)  
PR: FRW 4101. A study of the romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo and Balzac.

**FRW 5556 REALISM AND NATURALISM**

(3)  
PR: FRW 4100 or FRW 4101. A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and Daudet.

**FRW 5934 SELECTED TOPICS**

(1-3)  
PR: Upper-level or graduate standing. Study of an author, movement or theme.

**German**
**GER 1120 BEGINNING GERMAN I**

(4)  
CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of German.

**GER 1120L BEGINNING GERMAN I LABORATORY**

(1)  
CR: GER 1120. 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. (S/U only.)

**GER 1121 BEGINNING GERMAN II**

(4)  
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)  
CR: GER 1121. 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. (S/U only.)

**GER 2200 GERMAN III**

(3)  
PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.

**GER 2201 GERMAN IV**

(3)  
PR: GER 1121 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.

**GER 2240 CONVERSATION I**

(3)  
PR: GER 1121. For development of basic conversational skills.

**GER 3420 COMPOSITION I**

(3)  
A fundamental course for students who have completed GER 2200 or GER 2201.

**GER 3500 GERMAN CIVILIZATION**

(3)  
PR: GER 2200 or GER 2201. Readings in German on the cultural history of Germany.

**GER 4410 CONVERSATION II**

(3)  
Free conversation based on the current German idiom.

**GER 4421 COMPOSITION II**

(3)  
Practical training in modern German usage and differences of style.

**GER 5845 HISTORY OF THE GERMAN LANGUAGE**

(3)  
A diachronic approach to the study of the German language. The course traces the history and development of the language from IndoEuropean through Germanic, Old, Middle, and New High German.

**GET 3100 GERMAN LITERATURE IN ENGLISH**

(3)  
**TRANSLATION -XWV**

Analysis and interpretation of major works of German literature, to be read in English, with regard to their thought content and relevance to our thoughts and actions.

**GEW 4100 SURVEY OF GERMAN LITERATURE I**

(4)  
Old High German and Middle High German literature in modern German translation; the literature of Humanism and Baroque, the classical period.

**GEW 4101 SURVEY OF GERMAN LITERATURE II**

(4)  
The romantic period, 19th and 20th centuries.

**GEW 4900 DIRECTED STUDY**

(1-3)  
Departmental approval required.

**GEW 4930 SELECTED TOPICS**

(1-3)  
Study of an author, movement or theme.

**GEW 5475 20TH CENTURY LITERATURE TO 1945**

(3)  
A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Trakl, Thomas Mann, Hesse, Kafka, Benn, Brecht.

**GEW 5489 20TH CENTURY LITERATURE: 1945**

(3)  
**TO PRESENT**

Study of major trends in German literature since WWII with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.

**GEW 5515 THE ENLIGHTENMENT**

(3)  
Selected dramas and critical writings by Lessing, Wieland, Kant.

**GEW 5545 ROMANTICISM**

(3)  
Jenaer circle and Heidelberger circle; the late romantic period, the writers between Classicism and Romanticism.

**GEW 5555 REALISM**

(3)  
Selected works by Grillparzer, Grabbe, Buchner, Hebbel, Heine, Immerman, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Morike.

**GEW 5605 GOETHE**

(3)  
Selected novels, poems: Werther, Wahlverwandtschaften, Wilhelm Meister, Westostlicher Divan.

**GEW 5606 FAUST**

(3)  
Sources, form, content, and literary significance of Urfaust and Faust.

**GEW 5615 SCHILLER**

(3)  
Selected dramas, philosophical and aesthetical writings.

**GEW 5934 SELECTED TOPICS**

(1-3)  
PR: Upper-level or graduate standing. Study of an author, movement or theme.

**Greek**
**GRK 1120 BEGINNING MODERN GREEK I**

(4)  
CR: GRK 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

**GRK 1120L BEGINNING MODERN GREEK I LABORATORY**

(1)  
CR: GRK 1120. 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. (S/U only.)

**GRK 1121 MODERN GREEK II** (4)  
PR: GRK 1120 or its equivalent; CR: GRK 1121L. A continuation of GRK 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

**GRK 1121L MODERN GREEK II LABORATORY** (1)  
CR: GRK 1121. 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. (S/U only.)

**GRK 2200 MODERN GREEK III** (4)  
PR: GRK 1121 or the equivalent. For language students who intend to attain basic proficiency.

**GRK 2201 MODERN GREEK IV** (4)  
PR: GRK 2200 or its equivalent. Continuation of GRK 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

**GRK 4905 DIRECTED STUDY** (1-5)  
Permits study options in Modern Greek not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

**GRK 4930 SELECTED TOPICS** (1-5)  
Course permits classes in Modern Greek not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

### Hebrew

**HBR 1120 MODERN HEBREW I** (4)  
CR: HBR 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

**HBR 1120L MODERN HEBREW I LABORATORY** (1)  
CR: HBR 1120. 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. (S/U only.)

**HBR 1121 MODERN HEBREW II** (4)  
PR: HBR 1120 or its equivalent; CR: HBR 1121L. A continuation of HBR 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

**HBR 1121L MODERN HEBREW II LABORATORY** (1)  
CR: HBR 1121. 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. (S/U only.)

**HBR 2200 MODERN HEBREW III** (4)  
PR: HBR 1121 or the equivalent. For language students who intend to attain basic proficiency.

**HBR 2201 MODERN HEBREW IV** (4)  
PR: HBR 2200 or its equivalent. Continuation of HBR 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

**HBR 4905 DIRECTED STUDY** (1-5)  
Permits study options in Modern Hebrew not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

**HBR 4930 SELECTED TOPICS** (1-5)  
Course permits classes in Modern Hebrew not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

### Italian

**ITA 1120 BEGINNING ITALIAN I** (4)  
CR: ITA 1120L. The first course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking, and reading.

**ITA 1120L BEGINNING ITALIAN LABORATORY** (1)  
CR: ITA 1120. A laboratory designed to offer additional practice using various instructional technologies and media.

**ITA 1121 BEGINNING ITALIAN II** (4)  
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)  
CR: ITA 1121. 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. (S/U only.)

**ITA 2200 INTERMEDIATE ITALIAN I** (3)  
PR: ITA 1121 or equivalent. Readings in Italian on the elementary level. A review of the basic structure of spoken and written Italian.

**ITA 2240 ITALIAN CONVERSATION I** (4)  
To develop fluency and correctness in spoken Italian. Intensive study for conversational skill based particularly upon the current Italian idiom. Syntax is intensified and the vocabulary and idiomatic expressions expanded.

**ITA 2241 ITALIAN CONVERSATION II** (4)  
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)  
A fundamental composition course for students who have completed ITA 2200 and ITA 2201.

**ITA 3470 OVERSEAS STUDY** (1-6)  
An intensive study-travel project in Italy. Prior approval and early registration required. May be repeated up to 12 credit hours.

**ITW 4100 SURVEY OF ITALIAN LITERATURE I** (4)  
A survey of Italian literature from the earliest monuments through the classicism of the 18th century.

**ITW 4101 SURVEY OF ITALIAN LITERATURE II** (4)  
A survey of Italian literature beginning with the Classicism of the 18th century and continuing to present.

**ITW 4905 DIRECTED STUDY** (1-3)  
Departmental approval required.

### Japanese

**JPN 1120 MODERN JAPANESE I** (4)  
CR: JPN 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking, and some composition.

**JPN 1120L MODERN JAPANESE I LABORATORY** (1)  
CR: JPN 1120. 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. (S/U only.)

**JPN 1121 MODERN JAPANESE II** (4)  
PR: JPN 1120 or equivalent. 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)  
CR: JPN 1121. 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. (S/U only.)

**JPN 2200 MODERN JAPANESE III** (3)  
PR: JPN 1121 or equivalent. Continuing study to attain basic proficiency in Japanese.

**JPN 2201 MODERN JAPANESE IV** (3)  
PR: JPN 2200 or equivalent. Continuation of JPN 2200. Practice of writing, speaking, and listening skills to attain basic proficiency.



**JPN 4905 DIRECTED STUDY** (1-5)  
Permits study options in Japanese not available in regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

**JPN 4930 SELECTED TOPICS** (1-5)  
Course permits study options in Japanese not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

# Polish

**POL 1120 BEGINNING POLISH I** (4)  
CR: POL 1120L. This course features all four major skills: listening, reading, speaking, and writing. Grammar exercises, dictation, readings and vocabulary-building are central in this first course. Knowledge of Russian can help.

**POL 1120L BEGINNING POLISH I LABORATORY** (1)  
CR: POL 1120. 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. (S/U only.)

**POL 1121 BEGINNING POLISH II** (4)  
PR: POL 1120 or equivalent. CR: POL 1121L. This course continues the four basic skills of POL 1120, with continued emphasis on structures, dialogues, readings, dictation, and vocabulary-building. Knowledge of Russian can help.

**POL 1121L BEGINNING POLISH II LABORATORY** (1)  
CR: POL 1121. 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. (S/U only.)

**POL 2200 POLISH III** (4)  
PR: POL 1121 or the equivalent. For language students who intend to attain basic proficiency.

**POL 2201 POLISH IV** (4)  
PR: POL 2200 or the equivalent. Continuation of POL 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

**POL 4905 DIRECTED STUDY** (1-5)  
Permits study options in Polish not available in regularly scheduled curriculum at departmental discretion. (S/U only.) Departmental approval required. May be repeated up to 10 credit hours.

**POL 4930 SELECTED TOPICS** (1-5)  
Course permits classes in Polish not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

# Portuguese

**POR 1120 BEGINNING PORTUGUESE I** (4)  
CR: POR 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

**POR 1120L BEGINNING PORTUGUESE I LABORATORY** (1)  
CR: POR 1120. 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. (S/U only.)

**POR 1121 BEGINNING PORTUGUESE II** (4)  
PR: POR 1120 or equivalent. CR: POR 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

**POR 1121L BEGINNING PORTUGUESE II LABORATORY** (1)  
CR: POR 1121. 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. (S/U only.)

**POR 2200 INTERMEDIATE PORTUGUESE I** (3)  
POR 2200 builds upon the four language skills (speaking,

comprehension, reading, and writing) introduced in POR 1120 and POR 1121.

**POR 2201 INTERMEDIATE PORTUGUESE II** (3)  
For language students who intend to attain basic proficiency.

# Russian

**RUS 1120 BEGINNING RUSSIAN I** (4)  
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)  
CR: RUS 1120. 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. (S/U only.)

**RUS 1121 BEGINNING RUSSIAN II** (4)  
PR: RUS 1120 or CI. CR: RUS 1121L. The second course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

**RUS 1121L BEGINNING RUSSIAN II LABORATORY** (1)  
CR: RUS 1121. 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. (S/U only.)

**RUS 2200 RUSSIAN III** (4)  
PR: First year Russian or equivalent. Review and development of basic skills in conversation, composition, and reading.

**RUS 2201 RUSSIAN IV** (4)  
PR: RUS 2200 or equivalent. Review and development of basic skills in conversation, composition, and reading.

**RUS 2270 OVERSEAS STUDY** (1-6)  
Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian around Moscow and other parts of Russia. May be repeated up to 12 credit hours.

**RUS 3240 CONVERSATION I** (4)  
PR: Second year Russian or equivalent. Development of basic conversational skills.

**RUS 3470 OVERSEAS STUDY** (1-6)  
Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Must be enrolled in the USF Summer Study in Moscow program. Two years Russian required. Students from other institutions eligible.

**RUS 3500 RUSSIAN CIVILIZATION -6A** (3)  
A survey of the cultural history of Russia.

**RUS 4241 CONVERSATION II** (4)  
PR: Previous course in series or equivalent. Development of conversational skills.

**RUS 4402 ADVANCED RUSSIAN CONVERSATION & COMPOSITION I** (4)  
PR: RUS 4241 or CI. Third year Russian.

**RUS 4403 ADVANCED RUSSIAN CONVERSATION & COMPOSITION II** (4)  
PR: RUS 4241 or CI. Third year Russian.

**RUS 4471 ADVANCED OVERSEAS STUDY** (1-6)  
Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Must be enrolled in the USF Summer Study in Moscow program. Three years Russian required. Students from other institutions eligible.

**RUS 4700 RUSSIAN LINGUISTICS** (3)  
PR LIN 3010 or equivalent or CI. An introduction to Russian Linguistics content: Phonology, Morphology, Word-formation, Syntax.

**RUS 4900 SELECTED TOPICS** (1-3)  
Study of an author, movement or theme.

**RUS 4905 DIRECTED STUDY** (1-3)  
Departmental approval required

**RUT 3110 RUSSIAN CLASSICS IN ENGLISH -6A -XLW** (3)  
Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev,

Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.

**RUT 3111 TWENTIETH-CENTURY RUSSIAN**

**LITERATURE IN ENGLISH -6A -XLW**

(3)

Masterpieces of 20th century Soviet literature in English. The major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.

**Spanish**

**SPN 1120 BEGINNING SPANISH I**

(4)

CR: SPN 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of Spanish. Not open to native or near-native speakers of Spanish.

**SPN 1120L BEGINNING SPANISH I LABORATORY**

(1)

CR: SPN 1120. 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. Not open to native or near-native speakers of Spanish. (S/U only.)

**SPN 1121 BEGINNING SPANISH II**

(4)

PR: SPN 1120 or equivalent. CR: SPN 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. Not open to native or near-native speakers of Spanish.

**SPN 1121L BEGINNING SPANISH II LABORATORY**

(1)

CR: SPN 1121. 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. Not open to native or near-native speakers of Spanish. (S/U only.)

**SPN 1130 ACCELERATED SPANISH FOR NEAR-NATIVE SPEAKERS AND OTHERS**

(1-6)

PR: CI. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.

**SPN 2200 SPANISH III**

(3)

PR: SPN 1121 or equivalent. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. May NOT be taken concurrently with SPN 2201. Not open to native or near-native speakers of Spanish.

**SPN 2201 SPANISH IV**

(3)

PR: SPN 2200 or equivalent. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. May NOT be taken concurrently with SPN 2200. Not open to native or near-native speakers of Spanish.

**SPN 2240 CONVERSATION I**

(3)

PR: SPN 1121. For development of basic conversational skills. Not open to native or near-native speakers of Spanish.

**SPN 2241 CONVERSATION II**

(3)

PR: SPN 2240 or equivalent. To improve fluency in spoken Spanish. Not open to native or near-native speakers of Spanish.

**SPN 2270 OVERSEAS STUDY**

(1-6)

PR: SPN 1121. An intensive study-travel program in a Spanish-speaking country. Prior departmental approval and early registration are required.

**SPN 3300 COMPOSITION**

(3)

PR: SPN 2200-2201. A study of syntax, grammar and writing. Not open to native or near-native speakers of Spanish.

**SPN 3340 ADVANCED SPANISH FOR NATIVE SPEAKERS I**

(3)

PR: Native or near native oral/aural proficiency. 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. May not count as Spanish major elective.

**SPN 3341 ADVANCED SPANISH FOR NATIVE SPEAKERS II**

(3)

PR: SPN 3340. 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 a language. Emphasis on those aspects of written expression such as style and syntax which are problematic for such speakers. Texts and discussions in Spanish. This is primarily a discussion course, open to all majors and minors. May not count as Spanish major elective.

**SPN 3440 SPANISH FOR BUSINESS**

(3)

PR: SPN 2201 or equivalent. An introduction to the Spanish language as used in undertaking ordinary business transactions.

**SPN 3441 ADVANCED SPANISH FOR BUSINESS WRITING**

(3)

PR: SPN 3440 or equivalent. Continuation of SPN 3440. Advanced business communication in Spanish through discussion, reading, and writing of representative texts from Spain, Mexico, and the Spanish speaking Caribbean. Emphasis on business forms and composition of proposals, reports, records, and the language of advertisement. Texts and discussions in Spanish. This is a discussion course, open to Spanish and Business majors and minors.

**SPN 3500 SPANISH CIVILIZATION**

(3)

PR: SPN 1121. The culture and civilization of Spain.

**SPN 3520 SPANISH AMERICAN CIVILIZATION**

(3)

Readings and discussions on the culture and civilization of Spanish America. For majors and non-majors.

**SPN 4301 EXPOSITORY WRITING**

(3)

PR: SPN 3300. Practical training in contemporary Spanish structure, usage and stylistic devices. Not open to native or near-native speakers of Spanish.

**SPN 4410 ADVANCED CONVERSATION**

(3)

PR: SPN 3241 or equivalent. Intensive practice in the formulation and expression of ideas in standard Spanish. Not open to native or near-native speakers of Spanish.

**SPN 4470 ADVANCED OVERSEAS STUDY**

(1-6)

PR: SPN 3270. Intensive language study in Spain. Departmental approval required.

**SPN 4700 SPANISH LINGUISTICS**

(3)

PR: LIN 3010 or equivalent (may be taken concurrently with CI) and SPN 2201 or equivalent. An introduction to Hispanic linguistics: Phonology, morphology, syntax, and lexicography.

**SPN 5525 MODERN SPANISH AMERICAN CIVILIZATION**

(3)

PR: SPN 3520 or equivalent or graduate standing. Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends, from Colonial Times to the present. Texts and discussions in Spanish.

**SPN 5567 MODERN SPANISH CIVILIZATION**

(3)

PR: SPN 3500 or equivalent or graduate standing. Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and political trends. Texts and discussions in Spanish.

**SPT 2524 WOMEN WRITERS OF LATIN AMERICA -AF**

(3)

Literature of Latin-American women (in translation). Topics related to race and ethnicity, values and ethics, social, economic, and political issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels. (May also be taken in Women's Studies.)

**SPW 3030 INTRODUCTION TO HISPANIC LITERATURE**

(3)

PR: SPN 2201 or equivalent. Prose fiction, drama, poetry, and essay; techniques of literary analysis.

**SPW 4100 SURVEY OF SPANISH LITERATURE I**

(3)

PR: SPW 3030 or equivalent. A study of Spanish literature from its origins through the 17th century.

**SPW 4101 SURVEY OF SPANISH LITERATURE II**

(3)

PR: SPW 3030 or equivalent. A study of the later periods of Spanish literature.

**SPW 4131 SURVEY OF SPANISH-AMERICAN LITERATURE**

(3)

PR: SPW 3030 or equivalent. An introduction to the study of Spanish-American literature from the Modernism period



- to the present. Emphasis on modern writers since Dario.  
**SPW 4900 DIRECTED STUDY** (1-3)  
 Departmental approval required.
- SPW 4930 SELECTED TOPICS** (1-3)  
 Study of an author, movement or theme.
- SPW 5135 COLONIAL SPANISH AMERICAN LITERATURE** (3)  
 PR: SPW 4131. An introduction to Colonial Spanish American Literature from the Discovery through the Romantic Period.
- SPW 5355 SPANISH AMERICAN DRAMA & POETRY** (3)  
 PR: SPW 4131. Major writers of all genres. Emphasis on modern writers.
- SPW 5387 SPANISH AMERICAN PROSE** (3)  
 PR: SPW 4131. Emphasis on the gaucho theme and contemporary prose fiction.
- SPW 5388 GOLDEN AGE POETRY AND DRAMA** (3)  
 PR: SPW 4100. Lope de Vega, Alarcon, Tirso, Calderon, and others.
- SPW 5405 MEDIEVAL LITERATURE** (3)  
 PR: SPW 4100 or equivalent. Course gives an in-depth study of principal works and authors of the period such as *El Poema de Mio Cid*, *Libro de Buen Amor* and *La Celestina*.
- SPW 5465 19TH CENTURY LITERATURE** (3)  
 PR: SPW 4101. An appreciation of the romantic and realist periods in Spanish literature.
- SPW 5605 CERVANTES** (3)  
 Cervantes' masterpiece *Don Quijote de la Mancha*.
- SPW 5725 GENERATION OF 1898** (3)  
 PR: SPW 4101. The major figures of the period and their main followers.
- SPW 5726 VANGUARD LITERATURE OF 1918 AND 1936** (3)  
 PR: SPW 4101. A study of Vanguard literature in Spain between 1918 and 1936.
- SPW 5934 SELECTED TOPICS** (3)  
 PR: Upper-level or graduate standing. Study of an author, movement or theme.

### Yoruba

- YOR 1120 YORUBA I** (4)  
 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.
- YOR 1121 YORUBA II** (4)  
 A continuation of YOR 1120, this course delves further into the structure of Yoruba and its grammatical functions. Also covered is practice in reading elementary texts with emphasis on grammar, vocabulary, and an appreciation for style. Also included is composition and drills in oral work. May be repeated up to 8 credit hours.

### LINGUISTICS

- ENS 1483 ENGLISH FOR FOREIGN STUDENTS I** (3)  
 A special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension.
- ENS 1484 ENGLISH FOR FOREIGN STUDENTS II** (3)  
 PR: ENS 1483 or CI. A continuation of ENS 1483. Emphasis on reading and composition.
- LIN 3010 INTRODUCTION TO LINGUISTICS** (3)  
 Introduction to the basic principles of linguistic science; phonological and grammatical analysis and description; language change and genetic relationships.
- LIN 3801 LANGUAGE AND MEANING -6A** (3)  
 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)  
 PR: LIN 3010 or CI. Introduction to the basic techniques of formalizing linguistic descriptions through elementary phonological, morphological, and syntactic data solution-problems drawn from a variety of languages. Both taxonomic

and generative analysis and descriptions will be developed and compared.

- LIN 4575 LANGUAGE TYPES OF THE WORLD** (3)  
 An introduction to linguistic typology consisting in a systematic comparison of characteristic representatives of the various language types, such as Vietnamese, Malay, Hungarian, Swahili, Sanskrit, Hebrew, and others. No knowledge of any of these languages on the part of the student is presumed.
- LIN 4600 LANGUAGE AND SOCIETY** (3)  
 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 4710 LANGUAGE AND COMMUNICATION: ACQUISITION AND DEVELOPMENT** (3)  
 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)  
 PR: CI. Readings in special topics. Departmental approval required.
- LIN 4930 SELECTED TOPICS** (1-3)  
 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)  
 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.
- TSL 4374 METHODOLOGY OF TEACHING ENGLISH OVERSEAS** (3)  
 PR: Upper-level standing. Designed to introduce and prepare the enrollee in the various facets of teaching English as a foreign language in the overseas setting. It will include aspects of teaching verbal skills and comprehension as well as writing. It involves a practicum at the English Language Institute on campus.
- TSL 5321 ESOL STRATEGIES FOR CONTENT AREA TEACHERS** (3)  
 This course is designed for public school teachers working with limited English proficient (foreign) students in the classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers. May not be repeated for additional credit hours.
- TSL 5371 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE** (3)  
 Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.
- TSL 5372 ESOL CURRICULUM AND INSTRUCTION** (3)  
 Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.
- TSL 5471 LANGUAGE TESTING** (3)  
 PR: TSL 5371. This is a lecture course on the methodology of testing English as a second/foreign language. May not be repeated for additional credit hours.
- TSL 5525 CROSS-CULTURAL ISSUES IN ESL** (3)  
 PR: LIN 5700. This is a lecture course on cultural issues in teaching English as a second/foreign language. May not be repeated for additional credit hours.

### Liberal Studies

- IDS 3300 STRUCTURES OF KNOWLEDGE AND KNOWING** (4)  
 Distinguishing the modalities of human knowledge and awareness as reflected in the classic distinctions: sensory/motor/emotive; normative/descriptive/non-rational; logical/mathematical; ethical/physical/moral; qualitative/quantitative; mind/will/body; substance and function.
- IDS 3310 PROGRESS AND UTOPIA** (4)  
 Examination of the modern backgrounds of contemporary

awareness: particularly the development of historical awareness of ourselves as scientifically, technologically, and socially progressive in relation to both utopic and non-utopic futures.

**IDS 3320 FREEDOM AND THE SELF (4)**

Analysis of the idea of freedom in relation to the idea of self, involving comparative treatment of the variety of standpoints of conceiving the individual personality in relation to the social context.

**IDS 4344 SEMINAR: MAN AND NATURE (3)**

PR: Senior standing or CI. Examination of aspects of contemporary theories of nature and man deriving in the liberal arts, to the purpose of developing a general assessment of contemporary knowledge and methods of knowing.

**IDS 4930 SELECTED TOPICS (1-4)**

Course content determined by students' and instructor's interests and needs.

## Library and Information Science

**LIS 2001 INFORMATION RESOURCES AND LIBRARY RESEARCH (3)**

An introduction to the resources of the University of South Florida Library. Emphasis will be placed on library materials germane to the course work of the undergraduate.

**LIS 2002 INTRODUCTION TO THE INTERNET (3)**

Covers the history, structure, and use of the Internet, with an emphasis on using the Internet to answer educational, research, and other information-based needs.

**LIS 2937 SELECTED TOPICS IN LIBRARY/INFORMATION SCIENCE (1-3)**

Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues. May be repeated up to 9 credit hours total when topic varies.

**LIS 5315 INSTRUCTIONAL GRAPHICS (3)**

PR: CI. 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 SCHOOL AND LIBRARIES (3)**

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)**

Introduction to the study of library and information science, history; organization; specialized literature; outstanding leaders; current trends, issues, and problems; the place of the information agency in society with its contributions to that society.

**LIS 5937 SELECTED TOPICS IN LIBRARY STUDIES (1-4)**

PR: CI. Covers a variety of topics in such areas as collection development, reference services, technical services, and administration.

## Marine Science

**OCE 2001 INTRODUCTION TO OCEANOGRAPHY -NS (3)**

Overview of biological, chemical, geological, and physical oceanography. (Also listed under Geology.)

**OCE 4930 SELECTED TOPICS IN MARINE SCIENCE (1-4)**

Selected topics in the marine sciences including marine biology, marine chemistry, marine geology, physical oceanography, and interdisciplinary topics relating to marine environments.

## Mass Communications

**ADV 3000 INTRODUCTION TO ADVERTISING (3)**

PR: MMC 2100 and MMC 3602. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic, and legal aspects.

**ADV 3002 ADVERTISING DESIGN (3)**

PR: ADV 3000 for advertising sequence majors; VIC 3000 for other Mass Comm majors. Application of graphic design

principles to various areas of advertising. Combining visual and verbal elements effectively.

**ADV 3101 ADVERTISING COPYWRITING (3)**

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)**

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 MEDIA STRATEGY (3)**

PR: ACG 3074, ADV 3000, and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

**ADV 3700 RETAIL ADVERTISING PLANNING AND EXECUTION (3)**

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 4800 ADVERTISING CAMPAIGNS (3)**

PR: ADV 3101, ADV 3300, MMC 4420, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules.

**ADV 4940 ADVERTISING PRACTICUM (1)**

PR: CI. For advertising sequence majors. 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. (S/U only.)

**FIL 2200 THE FILM AS MASS COMMUNICATION II: RHETORIC AND STYLISTICS (3)**

PR: FIL 3004. A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture and television films.

**FIL 3004 THE FILM AS MASS COMMUNICATION I: SYNTAX (3)**

PR: MMC 2100 and MMC 3602. The language, conventions, elements, and patterns of the film medium as related to current models of effective mass communication and new theories of nonverbal communication.

**FIL 4404 SOCIAL HISTORY OF THE FILM, 1945 TO THE PRESENT (3)**

PR: MMC 2100 and MMC 3602. The development of the film from 1945 to the present.

**JOU 2100 BEGINNING REPORTING (3)**

PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, newsgathering, and news writing techniques. Typing ability is required.

**JOU 3101 ADVANCED REPORTING (3)**

PR: POS 2041, JOU 2100, or RTV 3304 (RTV majors only), JOU 4200 (may be taken concurrently), and PHI 1103. Getting information and writing the more complex and specialized story, techniques of investigative and analytical reporting, including ethical and legal considerations.

**JOU 3300 MAGAZINE ARTICLE AND FEATURE WRITING (3)**

PR: CRW 2100 and JOU 2100. Planning, researching, writing, and marketing articles for general and special interest magazines and newspaper magazine supplements; experiences in developing article idea; inductive analysis of contemporary magazine articles.

**JOU 3306 CRITICAL WRITING: EDITORIALS, REVIEWS, COLUMNS (3)**

PR: JOU 3101, JOU 4200. Interpretive and opinion writing for the mass media. Analysis and discussion of current events as a basis for critical thinking and editorial writing; evaluation of editorial pages of leading newspapers. Study of journalistic techniques involved in personal columns.

**JOU 3940 REPORTING PRACTICUM (1)**

PR: JOU 3101 and CI. For news-editorial sequence majors. 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. (S/U only.)
- JOU 4104 PUBLIC AFFAIRS REPORTING** (3)  
PR: JOU 3101 or RTV 3304 (RTV majors only), POS 2041 and POS 3142 or POS 2112. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Emphasis is on coverage of major governmental units of all levels of government, including examination and interpretation of public documents and records.
- JOU 4200 NEWS EDITING I** (3)  
PR: ECO 1000, JOU 2100, and SYG 3010. Evaluating news and its display; editing and rewriting copy for the mass media, with emphasis on the daily newspaper; news judgment, headlines, makeup; ethical problems.
- JOU 4206 NEWSPAPER DESIGN AND TYPOGRAPHY** (3)  
PR: JOU 4200 or CI. Theoretical and practical applications of newspaper design; problems in newspaper layout; the research of newspaper typography and design and its application; redesign of contemporary newspapers.
- JOU 4941 EDITING PRACTICUM** (1)  
PR: Senior standing, JOU 4200 and CI. For news-editorial sequence majors. 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. (S/U only.)
- JOU 4944 MAGAZINE PRACTICUM** (1)  
PR: Senior standing and CI. For magazine sequence majors. 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. (S/U only.)
- JOU 5116 EXPLORATIONS IN NEWSWRITING** (3)  
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.
- MMC 2100 WRITING FOR THE MASS MEDIA** (3)  
PR: Sophomore standing; 2.7 overall grade point average; grade of "C" in ENC 1101, ENC 1102, and passing score on English Diagnostic Test. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and informational writing.
- MMC 3602 MASS COMMUNICATIONS AND SOCIETY** (3)  
PR: Sophomore standing. A survey of the history, theory, processes, and philosophy of mass communications and the mass media in the United States, and their relationship to the other major institutions of American society.
- MMC 4123 MEDIA SCRIPT WRITING** (3)  
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for photographic and multimedia presentation, electronic media, and industrial and documentary film.
- MMC 4200 HISTORY AND PRINCIPLES OF COMMUNICATIONS LAW** (3)  
PR: MMC 2100 and MMC 3602. Historical and constitutional backgrounds of freedom and control of expression, statutory enactments, major court decisions and administrative rulings which affect print media, telecommunications, advertising, and public relations.
- MMC 4203 COMMUNICATION ETHICS** (3)  
PR: MMC 2100 and MMC 3602 or CI. A study of the fundamental principles and philosophies of ethics and their application to the decision-making process in the various professions of mass communications.

- MMC 4420 RESEARCH METHODS IN MASS COMMUNICATIONS** (3)  
PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of quantitative and historical research methods as applicable to the study of media and mass communications. Emphasis on survey research, evaluation of data, and report writing.
- MMC 4900 DIRECTED READING IN MASS COMMUNICATIONS** (1-3)  
PR: Junior standing and CI. Reading and directed study in special topics.
- MMC 4910 INDIVIDUAL RESEARCH IN MASS COMMUNICATIONS** (1-3)  
PR: Junior standing and CI. The course provides means for a student to do independent study in an area not covered by a numbered course.
- MMC 4936 SELECTED TOPICS IN MASS COMMUNICATIONS STUDIES** (1-3)  
PR: MMC 2100, MMC 3602 and CI. Courses designed to meet current or specific topics of interest to instructors and students.
- MMC 4945 MEDIA INTERNSHIP-SEMINAR** (3)  
PR: CI and 15 hours in Mass Comm. courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School. Reports on experiences for discussion and evaluation. (S/U only.)
- PGY 2110C COLOR PHOTOGRAPHY** (3)  
PR: PGY 3620. Laboratory required. Development of knowledge and skills of color photography for publication and presentation. Emphasis is on the use of transparency and negative color materials in their application to the media.
- PGY 3610 PHOTOJOURNALISM I** (3)  
PR: MMC 2100 and MMC 3602. Laboratory required. Camera operation, darkroom techniques, picture composition; editing, ethics, history, and laws in connection with photojournalism.
- PGY 3620 PHOTOJOURNALISM II** (3)  
PR: PGY 3610. Laboratory required. Advanced process and practice of photography for publication. Content includes advanced camera and laboratory techniques, publication requirements, and theory of photochemical color separation used in magazine and newspaper. Emphasis is placed on student production.
- PUR 3000 PRINCIPLES OF PUBLIC RELATIONS** (3)  
PR: MMC 2100 and MMC 3602. The underlying theory and professional practice of public relations within corporate and institutional structures and its vital role in society; ethical standards of practice, and relationships of the practice to the public media; public relations problem-solving process.
- PUR 4001 ADVANCED PUBLIC RELATIONS** (3)  
PR: PUR 4401, PUR 4100, and MMC 4420. As the final course in the public relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of case studies and preparation of complete public relations program. Extensive reading in the literature of contemporary practice.
- PUR 4100 WRITING FOR PUBLIC RELATIONS** (3)  
PR: JOU 2100 and PUR 3000. Techniques for creating effective written public relations communications to achieve organizational goals, including news releases, proposal letters, broadcast scripts, and memos. Exercises based on case study scenarios.
- PUR 4401 PUBLIC RELATIONS: ISSUES, PRACTICES AND PROBLEMS** (3)  
PR: PUR 3000. The theory of public relations practice and its application in the real world. The role of the public relations practitioner in business, government, and social institutions, and the nature of specialized areas of the practice. Identification of public issues, analysis of potential impact on organizations and development of strategies to deal with them successfully and responsibly. Communication techniques and trends.

**PUR 4700 PUBLIC RELATIONS PRACTICUM** (1)

PR: Senior standing and CI. For public relations sequence majors. 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. (S/U only.)

**RTV 2100 WRITING FOR RADIO AND TV** (3)

PR: ENC 3310 or CRW 2100 and RTV 3001. The art and practice of script writing for radio and television.

**RTV 3001 INTRODUCTION TO TELECOMMUNICATIONS** (3)

PR: MMC 2100 and MMC 3602. A survey of the organization, structure, and function of the broadcasting industry.

**RTV 3210 RADIO PRODUCTION AND DIRECTION** (3)

PR: RTV 3001. Radio production and direction; laboratory and broadcast experiences.

**RTV 3225 VIDEO WORKSHOP** (1)

PR: MMC 2100 and MMC 3602. An introduction to the techniques and applications of field television production and electronic editing.

**RTV 3304 BROADCAST NEWS** (4)

PR: MMC 3602 and MMC 2100. Methods in gathering, writing, and editing newscasts for radio and television.

**RTV 3941 RADIO PRACTICUM** (1)

PR: RTV 3001 and CI. For telecommunications sequence majors. 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. (S/U only.)

**RTV 4220 TV PRODUCTION AND DIRECTION** (3)

PR: RTV 3001 and RTV 3304. A basic course in the techniques of producing and directing TV programs.

**RTV 4301 TV NEWS** (3)

PR: RTV 3001 and RTV 3304. Techniques in writing and video taping for television news.

**RTV 4320 ELECTRONIC FIELD PRODUCTION** (3)

PR: RTV 3001 and RTV 3304. Advanced producing, scripting, lighting, camera, and editing for video production on location. Introduction to computer editing and graphics.

**RTV 4500 TELECOMMUNICATIONS PROGRAMMING** (3)

PR: RTV 3001. Program concepts, resources, costs, selection and scheduling. Analysis of programming in terms of structures, appeals and strengths.

**RTV 4700 TELECOMMUNICATIONS LAW AND POLICY** (3)

PR: for broadcast news option: RTV 3001, RTV 3304, MMC 4200, POS 3142 or POS 2112; for programming option: RTV 3001, RTV 4500, RTV 2100 or RTV 3304, and 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)

PR: RTV 4220 and CI. For telecommunications sequence majors. 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. (S/U only.)

**VIC 3000 INTRODUCTION TO VISUAL COMMUNICATIONS** (3)

PR: MMC 2100 and MMC 3602. The survey of visual communication theory, techniques, and their contemporary application and social influences as applied to the visual media with emphasis on still photography, motion pictures, video tape, and graphics.

**VIC 3943 VISUAL COMMUNICATION PRACTICUM** (1)

PR: Senior standing and CI. For visual communications sequence majors. 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. (S/U only.)

**Mathematics****CGS 3422 PROBLEM SOLVING USING PASCAL OR C -6A** (3)

CR: MAS 3105. Introduction to Pascal or C with special emphasis on its applications to mathematics.

**COP 4313 SYMBOLIC COMPUTATIONS IN MATHEMATICS -6A** (3)

PR: MAP 2302 and MAS 3105. Students will write programs to solve problems in various areas of mathematics including calculus and linear algebra with symbolic programming systems such as Maple, Mathematica, or Macsyma.

**MAA 4211 INTERMEDIATE ANALYSIS I -6A** (4)

PR: MAS 4301. Sequences, series, metric spaces, continuity, differentiation.

**MAA 4212 INTERMEDIATE ANALYSIS II -6A** (3)

PR: MAA 4211. Riemann-Stieltjes integration, uniform convergence, and related topics.

**MAA 4402 COMPLEX VARIABLES -6A** (3)

PR: MAS 4301 or CI. Complex numbers, Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Integral Theorem, Cauchy Integral Formula, residue theory. (No credit for students with credit in MAA 5405.)

**MAA 5306 REAL ANALYSIS I** (3)

PR: MAA 4211. Sets and functions, measure theory, measurable functions, Lebesgue integrations and limit theorems.

**MAA 5307 REAL ANALYSIS II** (3)

PR: MAA 5306. Continuation of MAA 5306, including functions of bounded variation, product measures and Fubini's theorem, differentiation,  $L^p$  spaces.

**MAA 5405 APPLIED COMPLEX ANALYSIS** (3)

PR: CI. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

**MAC 2102 COLLEGE ALGEBRA -6A -QM** (3)

PR: Two years of high school algebra. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications.

**MAC 2114 COLLEGE TRIGONOMETRY -6A** (2)

PR: Two years of high school algebra. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MAC 2132.)

**MAC 2132 COLLEGE ALGEBRA AND TRIGONOMETRY -6A -QM** (4)

PR: Two years of high school algebra. Real numbers and their properties, algebraic expression, equations and inequalities, functions, polynomials, exponential and logarithmic functions. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MAC 2233 or MAC 2102.)

**MAC 2230 BUSINESS CALCULUS -6A -QM** (4)

PR: Three years of high school mathematics including two years of algebra or MAC 2102. Linear equations and functions, mathematics of finance, differentiation and integration of algebraic functions with applications to business, finance, and economics. (No credit for mathematics majors or students with credit in MAC 2233, MAC 2281, or MAC 2311.)

**MAC 2233 ELEMENTARY CALCULUS I -6A -QM** (4)

PR: Three years of high school mathematics including two years of algebra or MAC 2102. Differentiation and integration of algebraic functions with applications, exponential and logarithmic functions. MAC 2233-MAC 2234 are primarily for students from biological and social sciences. (No credit for mathematics majors or students with credit in MAC 2230, MAC 2281, or MAC 2311.)

**MAC 2234 ELEMENTARY CALCULUS II -6A -QM** (3)

PR: MAC 2230 or MAC 2233. Techniques of integration,



- differential equations, functions of several variables, series and Taylor polynomials. (No credit for mathematics majors or students with credit in MAC 2282 or MAC 2312.)
- MAC 2281 ENGINEERING CALCULUS I -6A -QM** (3)  
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2132. A year of high school geometry is recommended. Limits, differentiation, differentials, extrema, indefinite integral. (No credit for students with credit in MAC 2230, MAC 2233, or MAC 2311.)
- MAC 2282 ENGINEERING CALCULUS II -6A -QM** (3)  
PR: MAC 2281 or CC. Techniques of integration, trigonometric, log, and exponential functions, series, polar coordinates, applications. (No credit for students with credit in MAC 2234 or MAC 2312.)
- MAC 2283 ENGINEERING CALCULUS III -6A** (3)  
PR: MAC 2282 or CC. Functions of several variables, partial derivatives, vector algebra, applications. (No credit for students with credit in MAC 2313.)
- MAC 2311 CALCULUS I -6A -QM** (4)  
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2132. A year of high school geometry is recommended. Limits, derivatives, applications. (No credit for students with credit in MAC 2230, MAC 2233, or MAC 2281.)
- MAC 2312 CALCULUS II -6A -QM** (4)  
PR: MAC 2311 with a grade of "C" or better or CC. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions. (No credit for students with credit in MAC 2234 or MAC 2282.)
- MAC 2313 CALCULUS III -6A** (4)  
PR: MAC 2312 with a grade of "C" or better or CC. Integration, polar coordinates, conic sections, vectors, indeterminate forms and improper integrals. (No credit for students with credit in MAC 2283.)
- MAD 3100 DISCRETE MATHEMATICS -6A** (3)  
PR: MAC 2281 or MAC 2311. An introduction to some of the aspects of discrete mathematics that are fundamental to digital computing. Topics include sets, numbers, algorithms, Boolean algebra, computer arithmetic, elementary combinatorics and an introduction to graph theory.
- MAD 4401 NUMERICAL ANALYSIS -6A** (4)  
PR: MAS 3105; ability to program a digital computer. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.
- MAD 4504 THEORY OF COMPUTATION -6A** (3)  
PR: MGF 3301 or MAD 3100. Mathematical aspects of alphabets and languages. Chomsky's hierarchy. Grammars. Regular languages, grammars and finite states machines. Context-free languages and grammars. Turing machines and languages. Decidability. Inductive definition of functions and basic computable functions. Introduction to computational complexity.
- MAD 5101 LISP: PROGRAMMING WITH ALGEBRAIC APPLICATIONS** (3)  
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).
- MAD 5305 INTRODUCTION TO GRAPH THEORY** (3)  
PR: CI. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya's Theorem, networks.
- MAE 5875 ABSTRACT ALGEBRA FOR TEACHERS** (3)  
PR: MAS 4301 and bachelor's degree or CC. Groups, fields, vector spaces as they relate to high school algebra and geometry. (No credit for mathematics majors.)
- MAE 5877 MATHEMATICAL ANALYSIS FOR TEACHERS** (3)  
PR: MAC 2313 and bachelor's degree or CC. Advanced consideration of limits continuity, derivatives, differentials. (No credit for Mathematics majors.)
- MAP 2302 DIFFERENTIAL EQUATIONS -6A** (3)  
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)  
PR: MAP 2302 or CI. Existence and uniqueness theory, properties of solutions, linear systems, stability theory, Sturm-Liouville theory.
- MAP 5317 ORDINARY DIFFERENTIAL EQUATIONS II** (3)  
PR: MAP 5316 and MAA 5307 or CI. Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixson Theory, Lyapunov functions, eigenfunction expansions.
- MAP 5345 APPLIED PARTIAL DIFFERENTIAL EQUATIONS** (3)  
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)  
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.
- MAS 3105 LINEAR ALGEBRA -6A** (3)  
PR: MGF 3301. CR: MAC 2283 or 2313. Linear systems, matrix algebra, vector spaces, linear independence, inner product spaces, Gram-Schmidt algorithm, linear transformations and matrix representations, determinants, eigenvalues, diagonalization, quadratic forms.
- MAS 4124 NUMERICAL LINEAR ALGEBRA -6A** (3)  
PR: MAS 3105. This course will consider efficient and stable numerical methods for dealing with matrix computations such as the solution of systems, calculation eigenvalues and vectors, least squares, and so on.
- MAS 4156 VECTOR CALCULUS -6A** (3)  
PR: MAS 3105, and MAC 2313 or MAC 2283. Implicit and inverse function theorems, parametrized surfaces, submanifolds of Euclidean space, exterior calculus of differential forms, differentiation of vector fields, line and surface integrals, Stokes' Theorem, elementary continuous groups.
- MAS 4214 ELEMENTARY NUMBER THEORY -6A** (3)  
PR: MAC 2312. Divisibility, prime numbers, Fundamental Theorem of Arithmetic, Diophantine equations, the algebra of congruences, number functions and other selected topics.
- MAS 4301 ELEMENTARY ABSTRACT ALGEBRA -6A** (3)  
PR: MAS 3105. An introduction to the basic algebraic structures: groups, rings, integral domains, and fields; homomorphisms and isomorphisms.
- MAS 5107 ADVANCED LINEAR ALGEBRA** (3)  
PR: MAS 4301 or CI. CR: MAS 5311. The study of finite dimensional vector spaces over arbitrary fields. Topics covered include dual spaces, canonical forms for linear transformations, inner product spaces, orthogonal, unitary and self-adjoint operators and quadratic forms.
- MAS 5215 NUMBER THEORY** (3)  
PR: MAS 4301 or CI. Fundamental theorem of arithmetic, modular arithmetic, Chinese remainder theorem, Mersenne primes, perfect numbers, Euler-Fermat theorem, pseudoprimes, primitive roots, law of quadratic reciprocity, factorization and primality testing algorithms.
- MAS 5311 ALGEBRA I** (3)  
PR: MAS 4301 or CI. Group theory: Sylow theorems, classification of groups of small order. Ring theory: ideals, quotient rings, polynomial rings, Euclidean domains, quotient rings, polynomial rings, Euclidean domains, principal ideal domains and unique factorization.
- MAS 5312 ALGEBRA II** (3)  
PR: MAS 5311 or CI. Continuation of MAS 5311. Finitely generated modules over a principal ideal domain, basic field theory, finite fields, Galois theory.
- MAT 2930 SELECTED TOPICS IN MATHEMATICS** (1-4)  
PR: CI. The course content will depend on the interest of faculty members and student demand.

- MAT 2936 TECHNOLOGY SEMINAR -6A** (1)  
A two contact hour/week technology seminar to acquaint students majoring in mathematics, physics, and other sciences with the computer tools necessary in scientific communication and document preparation. (S/U only. May not be repeated.)
- MAT 4906 INDEPENDENT STUDY -6A** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. The written contract required by the College of Arts and Science specifies the regulations governing independent study. May be repeated. (S/U only.)
- MAT 4930 SELECTED TOPICS IN MATHEMATICS -6A** (1-4)  
PR: CI. The course content will depend on the interest of faculty members and student demand.
- MAT 4937 MATHEMATICS MAJORS SEMINAR -6A** (1)  
PR: MAS 4301. Directed discussions on a variety of topics of interest to mathematics majors, including career opportunities in mathematics. (S/U only. May not be repeated.)
- MAT 4970 MATHEMATICS SENIOR THESIS -6A** (3)  
PR: Admission to Mathematics Honors Program and CC. Course restricted to mathematics majors. (S/U only.)
- MAT 5932 SELECTED TOPICS -6A** (1-4)  
PR: CI. Each course covers a single topic outside the usual curriculum.
- MGF 2131 CHAOS AND FRACTALS -6A -QM** (3)  
PR: High school algebra and trigonometry. Computer experiments in the behavior of functions under iteration: periodicity, attractors, stability, complex numbers, Cantor set, fractional dimension, sensitive dependence.
- MGF 2202 FINITE MATHEMATICS -6A -QM** (3)  
PR: Two years of high school algebra. Concepts and analytical skills in areas of logic, linear equations, linear programming, mathematics of finance, permutations and combinations, probability, and descriptive statistics.
- MGF 3301 BRIDGE TO ABSTRACT MATHEMATICS -6A -QM** (3)  
PR: MAC 2311 or MAC 2281. An introduction to the axiomatic nature of mathematics through topics in areas such as set theory, algebra, and calculus. The rigor of precise definitions, theorems, and proofs will be emphasized.
- MHF 4403 THE EARLY HISTORY OF MATHEMATICS -6A -XMW** (3)  
PR: MAC 2312 and upper-level standing. A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.
- MHF 5306 MATHEMATICAL LOGIC AND FOUNDATIONS I** (3)  
PR: MAS 4301 or CI. Two-course sequence covering: predicate calculus and classical model theory; transfinite set theory and the system ZFC; recursion theory and decidability.
- MHF 5405 HISTORY OF MODERN MATHEMATICS** (3)  
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.
- MTG 4212 GEOMETRY -6A** (4)  
PR: MGF 3301 or CI. Emphasis on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometries.
- MTG 4302 INTRODUCTION TO TOPOLOGY -6A** (3)  
PR: MAS 4301. Metric spaces, completeness, topological spaces, subspaces, product spaces, continuity, homeomorphisms, connectedness, compactness, separation axioms, countability axioms.
- MTG 5256 DIFFERENTIAL GEOMETRY** (3)  
PR: MAA 4211, MAS 3105. Exterior calculus, differentiable manifolds, integration of differential forms, surfaces in 3-space, covariant derivative, curvature, matrix groups.
- MTG 5316 TOPOLOGY I** (3)  
PR: MAA 4211. Topological spaces, continuity, homeomorphisms, connectedness, compact spaces, separation axioms, product spaces.

- MTG 5317 TOPOLOGY II** (3)  
PR: MTG 5316. The fundamental group; elements of homotopy theory and homology theory
- STA 2022 BASIC STATISTICS -6A -QM** (3)  
Basic philosophy of statistical thinking. Acquisition of data. Techniques for organizing and presenting statistical data. Sample mean, variance and standard deviation. Statistical decisions—estimation and hypothesis testing. Design of experiments, linear association and prediction. Statistical software. (No credit for mathematics majors.)
- STA 2023 INTRODUCTORY STATISTICS I -6A -QM** (4)  
PR: Two years of high school algebra. Descriptive statistics, basic probability principles, discrete and continuous probability distributions: binomial, normal, t, and chi-square; point estimation, confidence limits, and hypothesis testing. Emphasis on applications to social sciences, life sciences, physical sciences, engineering, and business. Students who successfully complete this course may not also receive credit for QMB 2150 or STA 2122. (No credit for Mathematics Majors.)
- STA 3024 INTRODUCTORY STATISTICS II -6A** (3)  
PR: STA 2023 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin squares, Split Plots, incomplete designs; distribution free methods.
- STA 4321 INTRODUCTION TO STATISTICS -6A** (3)  
PR: STA 4442. Basic statistical methods. Estimation, hypothesis testing, regression, ANOVA, and nonparametric theory and methods.
- STA 4442 INTRODUCTION TO PROBABILITY -6A** (3)  
PR: MAC 2313 or MAC 2283. Introduction to probability theory using calculus. Basic ideas of probability and random variables, discrete probability functions, continuous probability densities, joint distributions, transformations of random variables, moments and generating functions of random variables, and limit theorems.
- STA 5166 COMPUTATIONAL STATISTICS I** (3)  
PR: STA 4321, CGS 3422 or CC. Statistical analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.
- STA 5228 SAMPLING TECHNIQUES** (3)  
PR: STA 4321 or CI. Sampling versus total enumeration. Planning of a survey. Statistical sampling methods and their analysis; simple, stratified, systematic cluster, and double and multistage sampling. Use of auxiliary information in sampling. Ratio and regression estimates. Case study.
- STA 5326 MATHEMATICAL STATISTICS** (3)  
PR: STA 5446. Sample distribution theory, point and interval estimation, optimality theory, statistical decision theory and hypothesis testing.
- STA 5446 PROBABILITY THEORY I** (3)  
PR: STA 4442 and MAA 4211 or CI. Axioms of probability, random variables in Euclidean spaces, moments and moment generating functions, modes of convergence, limit theory for sums of independent random variables.
- STA 5526 NON-PARAMETRIC STATISTICS** (3)  
PR: STA 5326, CC. Topics may include: classical nonparametric statistical theory, nonparametric density estimation, nonparametric regression, generalized additive models, nonparametric pattern recognition, classification and regression trees.

### Medical Technology

- MLS 4031 INTRODUCTION TO MEDICAL TECHNOLOGY** (1)  
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math and computer applications.
- MLS 4860 CLINICAL URINALYSIS AND BODY FLUIDS** (2)  
PR: Senior standing and acceptance into an approved



affiliated hospital. A hospital clinical course on laboratory methodology and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal and joint fluids.

**MLS 4861 CLINICAL IMMUNOLOGY (2)**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the tissues, cells, and molecules of the human immune system, emphasizing the detection of serum antibodies and disease states.

**MLS 4862 CLINICAL HEMATOLOGY (6)**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on cellular components of the blood as related to laboratory diagnosis and disease, including blood coagulation and morphological and biochemical aspects of blood cells.

**MLS 4863 CLINICAL MICROBIOLOGY (6)**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course emphasizing pathogens responsible for disease in man, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites and viruses.

**MLS 4864 CLINICAL CHEMISTRY (6)**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the analysis of chemical substances found in the body as related to the diagnosis of human disease, including topics such as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

**MLS 4865 CLINICAL IMMUNOHEMATOLOGY (6)**

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 disease, HLA testing, and preparation of blood and blood components for transfusion therapy.

**MLS 4866 CLINICAL LABORATORY MANAGEMENT AND EDUCATION (1)**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on concepts of laboratory management, including personnel staffing, reimbursements, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

## Philosophy

**PHH 2000 INTRODUCTION TO PHILOSOPHY-6A -HP (3)**

An introduction to selected philosophical problems and traditions.

**PHH 3062 HISTORY OF PHILOSOPHY: ANCIENT AND MEDIEVAL (3)**

A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

**PHH 3420 HISTORY OF PHILOSOPHY: MODERN (3)**

A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

**PHH 4440 CONTINENTAL PHILOSOPHY (3)**

A study of developments in post-Kantian European philosophy.

**PHH 4600 CONTEMPORARY PHILOSOPHY -6A -XMW (3)**

Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

**PHH 4700 AMERICAN PHILOSOPHY -6A -XMW (3)**

Major traditions in American thought, Puritanism, the Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic Philosophy in relation to American culture.

**PHI 1103 CRITICAL THINKING -SS (3)**

Methods of thinking that lead to reliable conclusions, with emphasis on concrete cases in ordinary thinking and the sciences.

**PHI 2100 INTRODUCTION TO FORMAL LOGIC -6A -QM (3)**

An elementary study of propositional, predicate, class and syllogistic logic with some attention to basic problems of logical theory.

**PHI 2600 ETHICAL THEORY (3)**

A study of ethical theories, concepts, problems and methods.

**PHI 2631 ETHICS AND BUSINESS (3)**

An application of traditional ethical theories to contemporary problems in business.

**PHI 3404 SCIENTIFIC METHOD (3)**

Probability, inductive inference, the hypothetico-deductive method, experimentation, and selected topics in the philosophy of science.

**PHI 3601 CONTEMPORARY MORAL ISSUES -6A -SS (3)**

Open to all students. A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights in general.

**PHI 3633 BIOMEDICAL ETHICS (3)**

This course will focus on the ethical issues arising from advances in medical practice, delivery of health care, and scientific research.

**PHI 3636 PROFESSIONAL ETHICS (3)**

PR: Junior standing. An examination of the ethical problems that professionals will face in the complex, global society of the next few decades: confidentiality, divided loyalty, racism/sexism, etc.

**PHI 3640 ENVIRONMENTAL ETHICS -SS (3)**

A study of alternative theories of environmental ethics, including the application of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.

**PHI 3700 PHILOSOPHY OF RELIGION -6A -SS (3)**

Analysis of religious experience and activity and examination of principal religious ideas in light of modern philosophy.

**PHI 3905 DIRECTED STUDY (1-4)**

PR: CI. Individual study directed by a faculty member. Approval slip from instructor required.

**PHI 3930 SELECTED TOPICS (1-4)**

PR: C.I. Selected topics according to the needs of the student.

**PHI 4073 AFRICAN PHILOSOPHY -XMW (3)**

A descriptive and analytical study of African philosophical thought, featuring reflective comparisons of African and Western categories of thought. (May also be taken for credit in Africana Studies.)

**PHI 4300 THEORY OF KNOWLEDGE -6A -XMW (3)**

An examination of human knowledge; its scope and limits, and an evaluation of evidence, criteria of truth, the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.

**PHI 4320 PHILOSOPHY OF MIND -6A -XMW (3)**

A study of historical and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problems of other minds, the physical basis for intelligence, etc.

**PHI 4632 FEMINIST ETHICS -XMW (3)**

A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hoagland and others. (May also be taken for credit in Women's Studies.)

**PHI 4800 AESTHETICS -6A -XMW (3)**

A study of traditional and contemporary aesthetic theories with emphasis on creative process, the nature of the art work, the aesthetic response, expressiveness, form and content, as well as art and morality.

**PHI 4905 DIRECTED STUDY (1-4)**

PR: CI. Individual study directed by a faculty member. Approval slip from instructor required.

**PHI 4930 SELECTED TOPICS (1-3)**

PR: CI. Selected topics according to the needs of the senior students. Approval slip from instructor required.

**PHI 5135 SYMBOLIC LOGIC (3)**

PR: PHI 2100 or CI. Study of topics such as the following: Metatheory of propositional and predicate logic, related metatheoretic results, alternative logics.

**PHI 5225 PHILOSOPHY OF LANGUAGE**

(3)

PR: Eight hours of philosophy, major in linguistics, or CI. An examination of semantical, syntactical, and functional theories of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage. Seminar format.

**PHI 5913 RESEARCH**

(1-4)

PR: CI. Individual research supervised by a faculty member. Approval slip from instructor required.

**PHI 5934 SELECTED TOPICS**

(1-3)

PR: CI. Selected topics according to the needs of the student. Approval slip from instructor required.

**PHM 3021 PHILOSOPHIES OF LOVE AND SEX**

(3)

Discussion of Philosophies of Love/Sex of Plato, Aristotle, Epicurus, Aquinas, Hume, Kant, Schopenhauer, Russell, Sartre, Marx, etc.

**PHM 3100 SOCIAL PHILOSOPHY -6A**

(3)

An analysis of rival theories of social order and their philosophical foundations.

**PHM 3400 INTRODUCTION TO PHILOSOPHY OF LAW**

(3)

A study of the fundamental concepts of law from a philosophical standpoint including crime, justice, punishment, free speech, insanity, etc.

**PHM 4322 ANCIENT AND MEDIEVAL POLITICAL PHILOSOPHY -6A -XMW**

(3)

A survey of political philosophy from 6 B.C. until 1600 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.

**PHM 4331 MODERN POLITICAL PHILOSOPHY -XMW**

(3)

A survey of political philosophy from 1600 A.D. until 1900 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.

**PHM 4340 CONTEMPORARY POLITICAL PHILOSOPHY -6A -XMW**

(3)

A survey of political philosophy in the twentieth century, including an examination of the ethical, metaphysical and epistemological bases of these philosophies.

**PHM 5125 TOPICS IN FEMINIST PHILOSOPHY**

(3)

A study of recent feminist philosophical approaches to epistemology, aesthetics or political philosophy. (May also be taken for credit in Women's Studies.)

**PHP 3786 EXISTENTIALISM -6A -HP**

(3)

A study of the religious and atheistic existentialists and the bearing of their views on religion, ethics, metaphysics, and theory of knowledge.

**PHP 4000 PLATO -6A -XMW**

(3)

The examination of Plato will include the dialogues Protagoras, Georgias, Meno, Republic, etc.

**PHP 4010 ARISTOTLE -6A -XMW**

(3)

Study of Aristotle's philosophy.

**PHP 4410 KANT**

(3)

Lecture and discussion of Kant's philosophy, especially The Critique of Pure Reason.

**PHP 4740 THE RATIONALISTS -6A**

(3)

A careful study of the epistemologies of Descartes, Spinoza, Leibniz, and Malebranche.

**PHP 4745 THE EMPIRICISTS -6A**

(3)

A careful study of epistemologies of Locke, Berkeley, Hume, and Thomas Reid.

**PHP 4784 ANALYTICAL PHILOSOPHY -6A**

(3)

A study of the method devoted to clarifying philosophical problems through analysis of the language in which these problems are stated.

**PHP 4788 PHILOSOPHY OF MARXISM -6A -XMW**

(3)

A critical survey of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbert Marcuse. Hegelian foundations of Marxist philosophy analyzed in detail.

**WST 4342 CLASSICS IN FEMINIST THEORY -XMW**

(3)

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 Women's Studies.)

**Physics****PHY 2020 CONCEPTUAL PHYSICS -NS**

(3)

A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today. (No credit for Physics or Mathematics majors.)

**PHY 2038 ENERGY AND HUMANITY -NS**

(3)

Social, economic, and political aspects of energy. Includes energy conservation, environmental impact, energy-source alternatives, changing lifestyles, and personal use of solar energy. The relevant basic laws of physics and the scientific method are emphasized. Field trips and audiovisual presentations play important roles.

**PHY 2048, 2048L GENERAL PHYSICS & LABORATORY**

(3, 1)

PR: MAC 2281 or MAC 2311. First semester of a two semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses.

**PHY 2049, 2049L GENERAL PHYSICS & LABORATORY**

(3, 1)

PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Second semester of general physics and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses.

**PHY 2053, 2053L GENERAL PHYSICS & LABORATORY**

(3, 1)

PR: MAC 2102 and MAC 2114, or MAC 2132. First semester of a two semester sequence of general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) and laboratory for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses.

**PHY 2054, 2054L GENERAL PHYSICS & LABORATORY**

(3, 1)

PR: PHY 2053, PHY 2053L. Second semester of general physics and lab for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses.

**PHY 3101 MODERN PHYSICS**

(3)

PR: PHY 2049 or CR: PHZ 3101; PR: MAC 2283 or MAC 2313. Special relativity. Interaction and duality of particles and radiation. Atomic and x-ray spectra and Bohr model of atom. Schrodinger wave equation. Introduction to solid state physics.

**PHY 3221 MECHANICS I**

(3)

CR: MAC 2283 or MAC 2313 and either PR: PHY 2048 or PHZ 3101. First semester of a two semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work.

**PHY 3223C ELECTRICITY AND MAGNETISM I**

(4)

PR: PHY 2049, MAC 2283 OR MAC 2313. Electrostatic fields and potentials, dielectrics, classical conductivity, RC circuits, Fourier and finite element methods. Laboratory. First semester of sequence PHY 3223C, PHY 4324C.

**PHY 3424 OPTICS**

(4)

PR: PHZ 3101 or PHY 2049; CR: MAC 2283 or MAC 2313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

**PHY 3822L INTERMEDIATE LABORATORY**

(2)

PR: PHZ 3101 or PHY 2049 or equivalent; CR: PHY 3101. Experiments in modern physics, including the area of atomic, nuclear, solid state and wave phenomena.

**PHY 4031 GREAT THEMES IN PHYSICS -6A -XMW**

(3)

Origins/early history of physics, and quantum physics. Conservation of energy. Second Law of Thermodynamics. Special Relativity. Exponential dynamics. Outside reading, writing; maintenance of a logbook/journal.

**PHY 4222 MECHANICS II**

(3)

PR: PHY 3221; CR: MAP 2302. Continuation of PHY 3221. Coupled oscillators and normal modes; moving coordinate



systems; Lagrange's and Hamilton's equations; inertia tensor; general rotation of rigid bodies.

**PHY 4324C ELECTRICITY AND MAGNETISM II** (4)

PR: PHY 3323C; CR: MAP 2302. Introduction to special relativity, magnetic fields and potentials, magnetic materials, RL and RLC circuits, Maxwell's equations and applications. Laboratory. Second semester of sequence PHY 3323C, PHY 4324C.

**PHY 4523 STATISTICAL PHYSICS** (3)

PR: PHY 3101 or CI. A statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics.

**PHY 4604 INTRODUCTION TO QUANTUM MECHANICS** (3)

PR: PHY 3101, or CI. Basic concepts of quantum mechanics with applications in atomic, nuclear, and condensed matter Physics.

**PHY 4744C INTRODUCTION TO ELECTRONICS AND TEST INSTRUMENTATION** (3)

PR: General Physics or CI. Introduces the fundamentals of analog and digital electronics used in measurements and instrumentation. Weekly labs give hands-on experience in breadboarding electronic circuits and using test instrumentation (oscilloscopes, digital multimeters, etc.) (Not for major credit).

**PHY 4823L ADVANCED LABORATORY** (2)

PR: PHY 3822L. Experimental work primarily related to nuclear physics. Emphasis on modern physical experimental techniques employing some of the new types of equipment.

**PHY 4905 INDEPENDENT STUDY** (1-3)

PR: CI. Specialized, independent study determined by the student's need and interest. The written contract required by the College of Arts & Sciences specifies the regulations governing independent study. May be repeated. (S/U only.)

**PHY 4910 UNDERGRADUATE RESEARCH** (1-4)

PR: Senior or advanced junior standing and CC. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms, are to be determined by student/instructor agree ment. (S/U only.)

**PHY 4930 PHYSICS SEMINAR** (1)

PR: Senior or advanced junior standing or CC. All undergraduate physics majors must enroll in this course at least once and are expected to attend all Physics Colloquia. (S/U only.)

**PHY 4936 SELECTED TOPICS IN PHYSICS** (1-4)

PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.

**PHY 5720C ELECTRONICS FOR RESEARCH** (3)

PR: CI. A rigorous introduction to the fundamentals of analog and digital electronics. Theoretical circuit analysis and weekly labs introduce practical diodes, transistors, analog and digital ICs, breadboarding techniques and electronic test instrumentation.

**PHY 5937 SELECTED TOPICS IN PHYSICS** (1-4)

PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

**PHZ 3101 MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY** (2)

PR: One year of non-calculus general physics. CR: MAC 2283 or MAC 2313. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus.

**PHZ 3102 PROBLEMS IN GENERAL PHYSICS I** (1)

CR: PHY 2048. First semester of two semester sequence of general physics problems. A course designed to allow those interested students to investigate problems not covered in the general physics course.

**PHZ 3103 PROBLEMS IN GENERAL PHYSICS II** (1)

CR: PHY 2049. Second semester of sequence PHZ 3102, PHZ 3103.

**PHZ 5115 METHODS OF THEORETICAL PHYSICS I** (3)

PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus.

**PHZ 5116 METHODS OF THEORETICAL PHYSICS II** (3)

PR: MAP 2302 or CI. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory.

**PHZ 5304 NUCLEAR PHYSICS** (3)

PR: PHY 4604 or CI. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reaction, and high energy physics.

**PHZ 5405 SOLID STATE PHYSICS I** (3)

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.

## Political Science

**CPO 2002 INTRODUCTION TO COMPARATIVE POLITICS -SS** (3)

Comparison and analysis of representative European and non-Western political systems.

**CPO 4034 POLITICS OF THE DEVELOPING AREAS** (3)

An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

**CPO 4930 COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS** (3)

Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered. May be repeated up to 9 credit hours as topics vary.

**CPO 5934 SELECTED TOPICS IN COMPARATIVE POLITICS** (3)

Studies specific substantive areas in comparative politics such as political economy or the politics of specific countries or regions. May be repeated for credit as topics vary.

**INR 2002 INTRODUCTION TO INTERNATIONAL RELATIONS** (3)

Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.

**INR 3102 AMERICAN FOREIGN POLICY** (3)

Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

**INR 4035 INTERNATIONAL POLITICAL ECONOMY** (3)

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 4254 AFRICA IN WORLD AFFAIRS** (3)

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 UN and its agencies.

**INR 4334 DEFENSE POLICY** (3)

Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.

**INR 4403 INTERNATIONAL LAW** (3)

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)

Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multi-national corporations.

- INR 5086 ISSUES IN INTERNATIONAL RELATIONS** (3)  
Explore specific topics and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics. May be repeated for credit as topics vary.
- POS 2041 AMERICAN NATIONAL GOVERNMENT** (3)  
Analysis of basic principles and procedures of the American governmental system with emphasis on current issues and trends.
- POS 2080 THE AMERICAN POLITICAL TRADITION-SS-HP** (3)  
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)  
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)  
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.
- POS 3145 GOVERNING METROPOLITAN AREAS** (3)  
Examines governmental units and interactions in metropolitan areas, proposals for changes in governance, and policy areas of area-wide concern, such as human services.
- POS 3173 SOUTHERN POLITICS** (3)  
Examines changes in electoral politics in the South, and the role of interest groups and the state and federal government in facilitating change.
- POS 3182 FLORIDA POLITICS AND GOVERNMENT** (3)  
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.
- POS 3273 PRACTICAL POLITICS** (3)  
PR: POS 2041 or POS 3453 or CI. Coordinated scholarly and practical activity through class lecture and supervised field work in local political parties and election campaigns.
- POS 3283 JUDICIAL PROCESS AND POLITICS** (3)  
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)  
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)  
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)  
This course examines some of the major issues involving environmental law. Specially, the course provides a survey and analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. The course will also address questions pertaining to problems of implementation, interpretation, enforcement, and development of environmental laws.
- POS 3713 EMPIRICAL POLITICAL ANALYSIS** (3)  
Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.
- POS 3931 SELECTED TOPICS** (3)  
Selected topics in political science with course content based upon student demand and instructor's interest. May be repeated for up to 6 credits as topics vary.
- POS 4165 COMMUNITY LEADERS AND POLITICS** (3)  
Analysis of the roles and powers of mayors, city managers, council members, and interest and ethnic groups; distribution of community power.

- POS 4204 POLITICAL BEHAVIOR, PUBLIC OPINION, AND ELECTIONS** (3)  
Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.
- POS 4413 THE AMERICAN PRESIDENCY-6A** (3)  
The presidency as a political institution; analysis of powers; legislative, administrative, political, and foreign policy leadership; crisis management and decision making; White House staffing; limits on power.
- POS 4424 THE AMERICAN CONGRESS** (3)  
Organization, procedures, committee system, party leadership, relations with governmental and nongovernmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.
- POS 4614 CONSTITUTIONAL LAW I** (3)  
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)  
PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.
- POS 4693 WOMEN AND LAW I** (3)  
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues. (May also be taken for credit in Women's Studies.)
- POS 4694 WOMEN AND LAW II -XMW** (3)  
PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. (May also be taken for credit in Women's Studies.)
- POS 4905 INDEPENDENT STUDY** (1-3)  
PR: 3.0 average in Political Science and CI. Specialized study determined by the student's needs and interests. (S/U only.)
- POS 4910 INDIVIDUAL RESEARCH** (1-3)  
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)  
PR: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.
- POS 4941 FIELD WORK** (3)  
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)  
PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.
- POS 5094 ISSUES IN AMERICAN NATIONAL AND STATE GOVERNMENT** (3)  
Selected topics of study in American government. May be repeated for credit as topics vary.
- POS 5155 ISSUES IN URBAN GOVERNMENT AND POLITICS** (3)  
Selected issues and topics in Urban Government and politics. May be repeated for credit as topics vary.
- POS 5736 POLITICAL RESEARCH METHODS** (3)  
A survey of methods, problems, and issues in political research and analysis for the advanced student.
- POT 3003 INTRODUCTION TO POLITICAL THEORY** (3)  
Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicist theory, analytical theory, and critical theory.
- POT 3013 CLASSICAL POLITICAL THEORY** (3)  
Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.
- POT 4054 MODERN POLITICAL THEORY** (3)  
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.



- POT 4064 CONTEMPORARY POLITICAL THOUGHT** (3)  
Examines various political views and political phenomena in the nineteenth and twentieth centuries. Diverse theoretical types and salient political phenomena will be presented.
- POT 4109 POLITICS AND LITERATURE -6A -XLW** (3)  
Critical examination of the connections between politics and literature.
- POT 4204 AMERICAN POLITICAL THOUGHT** (3)  
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 4661 THE POLITICS OF IDENTITY, DIFFERENCE AND INEQUALITY -XMW** (3)  
PR: POT 3003. An analysis of how relationships of social identity and difference become the basis of social, political and economic inequality in modern society. It incorporates both contemporary and "classical" discussions of inequality.
- POT 4936 SELECTED TOPICS IN POLITICAL THEORY** (3)  
Selected topics or thinkers in political theory.
- POT 5626 ISSUES IN POLITICAL PHILOSOPHY AND LAW** (3)  
PR: Graduate or senior standing and CI. Selected topics in political philosophy and law. May be repeated as topics vary.
- PUP 3313 BLACKS IN THE AMERICAN POLITICAL PROCESS** (3)  
An examination of the political experience of Blacks in the American political process including their political socialization, and struggle to become effective participants in the American political process. (May also be taken for credit in Africana Studies.)
- PUP 4002 PUBLIC POLICY** (3)  
Examines the formation and implementation of public policy in areas such as the economy, health, etc.
- PUP 4203 ENVIRONMENTAL POLITICS AND POLICY** (3)  
Examines the politics of environmental issues, formation and implementation of environmental policy.
- PUP 4323 WOMEN AND POLITICS -6A -XMW** (3)  
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. (May also be taken for credit in Women's Studies.)
- PUP 5607 PUBLIC POLICY AND HEALTH CARE** (3)  
The study of health care policy as it relates to the policy process in the American setting.
- URP 4050 CITY PLANNING AND COMMUNITY DEVELOPMENT** (3)  
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.

### Psychology

- CBH 4004 COMPARATIVE PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major 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.
- CLP 3003 PSYCHOLOGY OF ADJUSTMENT -SS** (3)  
Genetic, organic, and learned factors involved in the processes of personal adjustment: applications of mental health principles to everyday living. Not for major credit.
- CLP 4143 ABNORMAL PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Descriptions, theoretical explanations, research evidence, and treatment of maladaptive behavior.
- CLP 4414 BEHAVIOR MODIFICATION** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Introduction to behavior analysis, and application of learning principles, behavioral measurement, research designs, and interventions in treatment settings.
- CLP 4433 PSYCHOLOGICAL TESTS AND MEASUREMENT** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. A consideration of the instruments for intellectual and personality assessment including their applications, development, and potential abuses. Students may not receive credit for both CLP 4433 and EDF 4430.
- DEP 3103 CHILD PSYCHOLOGY -SS** (3)  
Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior. Not for major credit.
- DEP 4005 DEVELOPMENTAL PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.
- DEP 4135 PSYCHOLOGY OF LANGUAGE DEVELOPMENT** (3)  
PR: PSY 3213 with a grade of C or better, psychology major 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.
- EXP 4104 SENSORY PROCESSES** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Available to both majors and non-majors. Psychophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.
- EXP 4204C PERCEPTION** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Topics include sensory and physiological bases of perception and how people process relevant information in their environments.
- EXP 4304 MOTIVATION** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. A survey of motivational processes and mechanisms from physiological and psychological viewpoints.
- EXP 4404 PSYCHOLOGY OF LEARNING** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Survey of methods, empirical findings, and theoretical interpretations in conditioning and instrumental learning.
- EXP 4523C COGNITIVE PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.
- EXP 4640 PSYCHOLOGY OF LANGUAGE** (3)  
Historical survey of relations between psychology and linguistics leading to the emergence of psycholinguistics as a field of study. Current status of theory and research in the field.
- GEY 4610 PSYCHOLOGY OF AGING** (3)  
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. (Also offered under Gerontology.)
- INP 2101 APPLIED PSYCHOLOGY -SS** (3)  
The application of psychological principles and the functions of psychologist in education, government, industry, and clinical practice.
- INP 4004 INDUSTRIAL PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, decision-making.
- PPE 4004 PERSONALITY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.
- PSB 4013C PHYSIOLOGICAL PSYCHOLOGY** (3)  
PR: PSY 3213 with a grade of C or better, psychology major or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous

system and theory of brain functions.

**PSY 2012 AN INTRODUCTION TO CONTEMPORARY PSYCHOLOGY -SS (3)**

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 3022 CONTEMPORARY PROBLEMS IN PSYCHOLOGY -SS (3)**

The content of this course varies depending on the needs and interest of students and faculty. Offerings include in-depth coverage of specialized aspects of psychology applied to contemporary problems not studied in general introductory courses.

**PSY 3044 EXPERIMENTAL PSYCHOLOGY -SS (3)**

PR: PSY 2012, psychology major or CI. Designed as an in-depth examination of the basic principles and concepts of psychological science. Extensive coverage will be given to the areas of learning, perception, physiological psychology, and cognition.

**PSY 3213 RESEARCH METHODS IN PSYCHOLOGY (4)**

PR: PSY 3044, psychology major, or CI. This course considers the logic of experimental design, concept of control and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab. May be taken concurrently with PSY 3044.

**PSY 4205 EXPERIMENTAL DESIGN AND ANALYSIS (3)**

PR: PSY 3213 with grade of C or better, psychology major, 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)**

PR: PSY 3213 with a grade of C or better, psychology major or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

**PSY 4913 DIRECTED STUDY (1-3)**

PR: Upper-level standing, psychology major and CI. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member. (S/U Only.)

**PSY 4931 SELECTED TOPICS: SEMINAR (3)**

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. May be repeated with a maximum of six (6) hours credit for the major.

**PSY 4932 HONORS SEMINAR (3)**

PR: Admission to honors program in psychology and CI. The student, under supervision of a faculty member, will formalize, conduct, analyze, and report in writing a research project in psychology. May be repeated with a maximum of 6 hours credit. May not count for major credit.

**PSY 4970 HONORS THESIS (1-3)**

PR: Admission to honors program in psychology and CI. The student under supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in psychology. May be repeated with a maximum of 6 credit hours.

**SOP 3742 PSYCHOLOGY OF WOMEN -SS (3)**

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. (Also offered under Women's Studies.)

**SOP 4004 SOCIAL PSYCHOLOGY (3)**

PR: PSY 3213 with a grade of C or better, psychology major 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 4714C ENVIRONMENTAL PSYCHOLOGY (3)**

PR: PSY 3213 with a grade of C or better, psychology major or CI. Explores the influences of environment on behavior. Topics considered include crowding, privacy, territorial behavior, environmental design, and pollution effects. Designed for both psychology majors and non-majors.

## Public Administration

**PAD 3003 INTRODUCTION TO PUBLIC**

**ADMINISTRATION -SS (3)**

Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

**PAD 4204 PUBLIC FINANCIAL ADMINISTRATION (3)**

Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

**PAD 5035 ISSUES IN PUBLIC ADMINISTRATION AND**

**PUBLIC POLICY (3)**

Selected issues and topics in Public Administration and Public Policy. May be repeated for credit as topics vary.

**PAD 5333 CONCEPTS AND ISSUES IN PUBLIC PLANNING (3)**

PR: URP 4050 or URP 6056. Analysis of basic concepts, issues, and strategies of planning; policy determination, collection of information, and decision-making.

**PAD 5605 ADMINISTRATIVE LAW (3)**

An examination of the constitutional and statutory bases and limitations of the administrative process, administrative adjudication, rule making, and the judicial review of such actions.

**PAD 5612 ADMINISTRATIVE REGULATION (3)**

Analysis of the regulatory functions and processes in the American political system: regulatory commissions, their functions, powers, management, reforms, and relationship with other branches of government.

**PAD 5700 RESEARCH METHODS IN PUBLIC**

**ADMINISTRATION (3)**

This course provides the student with the fundamental skills and knowledge of how research is designed, implemented, analyzed, and utilized in public sector agencies. Available to majors and non-majors.

**PAD 5807 ADMINISTRATION OF URBAN AFFAIRS (3)**

Analysis of the role of the administrator at the municipal level; the division of functions; policy formation; alternative governmental structures; effects on the administrative process.

**PAD 5836 COMPARATIVE PUBLIC ADMINISTRATION (3)**

How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.

## Rehabilitation Counseling

**RCS 3030 REHABILITATION COUNSELING: CONCEPTS**

**AND APPLICATIONS (3)**

This introductory course (1) surveys the theories, concepts, and attitudes involved in helping disabled or unable persons become increasingly able. (2) provides initial experiences with these counseling perspectives and methods and their personal application.

**RCS 5080 MEDICAL ASPECTS OF DISABILITY (4)**

PR or CR: RCS 5700. 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 INTERPERSONAL COUNSELING I:**

**PERSONALITY THEORY (4)**

A skill-building course on the utilization of one's self in rehabilitation and mental health counseling relationships. Includes the study of personality theories and their contribution to successful counseling and rehabilitation practice.



**RCS 5406 HUMAN DEVELOPMENT THEORY****IN COUNSELING**

(4)

Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.

**RCS 5450 REHABILITATION COUNSELING ISSUES IN ALCOHOLISM AND OTHER ADDICTIONS**

(4)

PR: CI. An overview of alcohol and other drug abuse. Explores the extent and rate of abuse in the United States, causes, biology, psychological aspects, legal aspects, and treatment.

**RCS 5700 FOUNDATIONS AND ETHICS**

(4)

An overview of rehabilitation history and introduction to rehabilitation processes and ethical issues in the public and private sectors. Ethical, legal, and professional standards in rehabilitation and mental health counseling are emphasized.

**RCS 5802 PRACTICUM I**

(1)

PR: Majors only. Supervised experience and practice in counseling in various rehabilitation and mental health settings for a minimum of 120 hours. Must be taken concurrently with RCS 5406. (S/U only.)

**RCS 5905 DIRECTED STUDIES**

(1-4)

Supervised rehabilitation studies under the direction of a faculty member.

**Religious Studies****CLA 3000 ANCIENT CIVILIZATIONS**

(4)

Study of the character, ideas, and cultural achievements of the peoples of the Ancient Middle East and Mediterranean and their relevance for modern Western civilization.

**CLA 3801 HISTORY OF THE ALPHABET**

(2)

Study, in reasonable detail, of the evolution of our "Roman" alphabet, as well as of other ancient and modern alphabets, from the writing system of ancient Egypt.

**CLA 4171 MESOPOTAMIAN CIVILIZATION**

(3)

Study of the Ancient Mesopotamian (Sumero-Babylonian) civilization, including customs, religion, art and architecture, languages and literatures, science and the calendar, and an introduction to cuneiform writing.

**CLA 4930 SELECTED TOPICS**

(1-4)

Course contents depend 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 (2), and The Bible as History (3).

Note: In any of the numbers CLA 4900, CLA 4930, enrollment is repeatable for different subject matters.

**GRE 2040 NEW TESTAMENT GREEK I**

(4)

An introduction to an intensive study of the koine Greek of the New Testament, for beginners; New Testament readings, composition, analysis of the structure of Greek of the New Testament.

**GRE 2041 NEW TESTAMENT GREEK II**

(4)

PR: GRE 2040. Intermediate readings and grammar of the Greek New Testament.

**HEB 1120, 1121 BASIC HEBREW I, II**

(4,4)

Designed to give students a working knowledge of Classical (Biblical) Hebrew and to introduce them to the Biblical literature in the original language.

**REL 2210 HEBREW BIBLE/OLD TESTAMENT**

(4)

An introduction to the critical study of the Hebrew Scriptures against the background of the ancient Near East, with attention to the history and religion of the Hebrew people.

**REL 2240 INTRODUCTION TO THE NEW TESTAMENT**

(3)

An introduction to the critical study of the New Testament in context of Christian beginnings in the first century A.D.

**REL 2300 INTRODUCTION TO WORLD RELIGIONS -6A -HP**

(4)

A cross-cultural exploration of the major religions of the world through lectures, films, and the reading of key religious texts. Religions covered include Judaism, Christianity, Islam, Taoism, Confucianism, Hinduism, and Buddhism.

**REL 2306 CONTEMPORARY WORLD RELIGIONS -HP**

(4)

This course explores the unity and diversity of religious

traditions in a global context in order to understand the mutual interactions between religions and cultures. Emphasis is placed on the role of religions in shaping human values which can either create or resolve social conflicts, and the impact these values can have on issues of race, ethnicity and religious diversity in a multicultural world.

**REL 2500 HISTORY OF CHRISTIANITY-6A -HP**

(4)

The historical development of Christianity, its ideas and institutions, from the first century to the rise of religious modernism in the 19th century.

**REL 3003 INTRODUCTION TO RELIGION**

(3)

This course examines the phenomenon of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) and religious behavior (ritual and morality) are closely examined.

**REL 3114 COMEDY, TRAGEDY, AND RELIGION -6A -XMW**

(3)

Examines the visions of life in comedy and tragedy, and relates both to Judaism, Christianity, and Zen Buddhism.

**REL 3120 RELIGION IN AMERICA**

(3)

To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration; the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

**REL 3131 NEW RELIGIONS IN AMERICA**

(3)

A course designed to allow the student to survey the wide spectrum of contemporary sects and cults and learn what motivates their development.

**REL 3132 WITCHCRAFT AND PAGANISM IN AMERICA**

(3)

A study of contemporary witchcraft and paganism, including theories, methods, history, myths and symbols, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

**REL 3145 WOMEN AND RELIGION -6A**

(3)

Analysis of the status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them. (May also be taken for credit in Women's Studies.)

**REL 3146 THE RELIGIOUS QUEST IN CONTEMPORARY FILMS -6A -SS -HP**

(4)

This course will use contemporary films such as Gandhi, Malcolm X, The Long Walk Home, The Color Purple, The Leap of Faith, The Chosen, and Grand Canyon, to explore the personal and social dimensions of religion in modern secular societies, with an emphasis on issues of racism, sexism and human liberation and reconciliation.

**REL 3150 RELIGION AND THE MEANING OF LIFE -6A -XMW**

(3)

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 3155 LIFE AFTER DEATH**

(3)

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**

(4)

THROUGH FILM -6A -HP -SS  
An ethical analysis of contemporary social issues through contemporary films, 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 -XMW**

(3)

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 3310 WORLD RELIGIONS**

(3)

An introduction to and 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 -SS (3)**

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 Baha'i. Readings from classical texts and modern literature.

**REL 3367 ISLAM IN THE MODERN WORLD (3)**

Examines the major developments in Islamic thought since the 13th century, with emphasis on the 19th and 20th century Islamic resurgence. Issues of diversity, gender, and social values will be stressed.

**REL 3420 CONTEMPORARY RELIGIOUS THOUGHT (3)**

An examination of the central ideas of recent theological thinkers; such men as Barth, Brunner, Bultmann, Bonhoeffer, Rahner, Tillich, Cox, Altizer, Buber, Niebuhr.

**REL 3550 ROMAN CATHOLICISM -6A -XMW (3)**

An examination of the history, doctrine, and ethics of the Roman Catholic Church.

**REL 3600 INTRODUCTION TO JUDAISM -6A -AF (3)**

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 (3)**

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)**

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 (3)**

A study of Jewish life in the West since 1789, emphasizing Jewish beliefs, practices, and institutions.

**REL 3700 INTRODUCTION TO ISLAM -6A -HP -AF (3)**

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 3900 DIRECTED READINGS (1-4)**

PR: CI. Individual guidance in concentrated reading on a selected topic.

**REL 3921 COLLOQUIUM (1)**

This colloquium will be held in order to bring all religious studies faculty and undergraduate majors together to discuss research of a particular faculty member, student, or guest scholar. May be repeated up to 3 semester hours. (S/U only.)

**REL 3936 SELECTED TOPICS (1-4)**

PR: CI. Course contents depend on students' needs.

**REL 4113 THE HERO AND RELIGION -XMW (3)**

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 (3)**

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)**

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 (4)**

PR: Jr. standing or CI. This course will survey several major approaches to contemporary Christian ethics and their application to a number of ethical issues peculiar to personal and social life in contemporary society.

**REL 4193 COMPARATIVE MYSTICISM (4)**

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.

**REL 4221 WHO WROTE THE BIBLE (GENESIS-KINGS) -6A -XMW -XLW (4)**

A critical examination of Genesis through 2 Kings. This course focuses on the history of the formation of the text and the development of the religious traditions represented therein. Special attention will be paid to Israelite Law, Covenant Theology, and the history of the religion(s) of Israel in their Ancient Near Eastern context.

**REL 4224 HEBREW BIBLE II/PROPHETS AND WRITINGS (4)**

PR: REL 3210 or REL 4221 or CI. An investigation of the prophetic movement and the historical and cultic writings in Israel from the point of view of theological developments, history presupposed, and the religious institutions depicted. Special attention is given to a theme such as Job and the problem of evil.

**REL 4244 NEW TESTAMENT I: GOSPELS, ACTS (4)**

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)**

PR: CI. 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 4252 NEW TESTAMENT II: THE LETTERS OF PAUL AND OTHER NEW TESTAMENT WRITINGS (4)**

PR: REL 4244 or REL 3240 or CI. An investigation of the phenomenon of earliest Christianity in its Pauline and non-Pauline forms, particularly as reflected in Paul's letters and in other writings of the New Testament. Special attention is given to the program of Apocalyptic, as in the book of Revelation.

**REL 4333 HINDUISM (4)**

The philosophy of the saints; the complex rituals of the Brahmins; the art of its temples; the psychology and physiology of yoga; the social rigidity of the caste system; the esoteric science of meditation; the ascetic activism of Mahatma Gandhi--all of these are Hinduism, and more. Close readings of classical texts, philosophic systems and medieval poems.

**REL 4343 BUDDHISM IN INDIA, SRI LANKA, AND SOUTH EAST ASIA (4)**

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)**

Mahayana Buddhism followed the silk routes to China and Japan, and later it crossed the Himalayas into Tibet. An overview of the variety of schools and practices of Buddhism and its adaptation by these ancient cultures.

**REL 4508 FROM MYTH TO CHRISTIANITY (4)**

Study of the religions/mythologies of the ancient Middle East and Eastern Mediterranean and how their influences shaped the theology and practices of Christianity up to the end of the fourth century; influences many of which continue to be evident in the traditional Roman and Eastern Orthodox churches.

**REL 4626 REASON IN RELIGION: TALMUDIC LOGIC -XMW (3)**

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 -XMW -XLW (4)**

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)**  
PR: Junior standing and CI. Individual investigations with faculty supervision.

**REL 4931 SEMINAR IN RELIGION (3)**  
A course designed for students, especially Religious Studies majors, 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)**  
PR: Junior standing and CI. Individual investigations with faculty supervision.

**REL 4939 THE DEVELOPMENT OF RELIGIOUS STUDIES (3)**  
Course designed for senior majors (and minors) in religious studies to complement REL 4931 (Senior Seminar). Discussion of key figures and methodological advances in the development of the field from the 18th century to present, with readings of classics in the development.

**WST 5318 FEMINIST SPIRITUALITY (3)**  
This course 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. May not be repeated. (May be taken through Women's Studies.)

## Social Work

**SOW 3101 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I (4)**

PR: All pre-core courses. Restricted to Social Work majors, others by School permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals.

**SOW 3102 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II (4)**

PR: SOW 3101. Restricted to Social Work majors; others by School permission. An integrating course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with families, group organizations and communities.

**SOW 3203 THE AMERICAN SOCIAL WELFARE SYSTEM-SS(3)**  
A general education introductory course which provides students with a framework for understanding the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.

**SOW 3302 INTRODUCTION TO SOCIAL WORK (3)**

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)**

PR: All pre-core courses. Restricted to Social Work majors, others by School permission. The purpose of this course is two-fold: to familiarize the student with research as it is practiced in the profession of Social Work; and to equip the student with those theoretical understandings necessary to be a critical consumer of social work research.

**SOW 4233 SOCIAL WELFARE: POLICY & PROGRAM (4)**

PR: All pre-core courses. Restricted to 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)**

PR or CR: SOW 3101; SOW 3401. Restricted to Social Work majors; others by School permission. First practice course emphasizing development of skills and interventive methods with individuals, families and small groups. Course includes both didactic and experiential learning components.

**SOW 4343 MULTI-METHODS OF SOCIAL WORK**

**PRACTICE II: MACRO-SYSTEM INTERVENTION (5)**

PR: All pre-core courses, SOW 4341; SOW 4233, and SOW 3102 may be taken as PR or CR. Restricted to 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)**

PR: Completion of all social work core courses except SOW 4522. CR: SOW 4510L. Restricted to social work majors in Senior year. An integrated practice seminar which constitutes the third and final course in the practice sequence.

**SOW 4510L FIELD PLACEMENT (6)**

PR: Completion of all social work core courses except SOW 4522. CR: SOW 4510. Restricted to social work majors in Senior year. Supervised field placement in a social welfare organization consisting of 32 hours per week in the field. (S/U only.)

**SOW 4522 SENIOR SEMINAR: MULTICULTURAL AMERICA (3)**

PR: SOW 3203, SOW 3302, SOW 3101, SOW 4341. The course focuses on the students' understanding of multicultural and intergenerational issues.

**SOW 4900 DIRECTED READINGS (1-9)**

PR: Completion of four social work courses including SOW 3401, upper level standing, and School permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed. May be repeated up to 6 credit hours.

**SOW 4910 DIRECTED RESEARCH (1-6)**

PR: Completion of four social work courses including SOW 3401, upperlevel standing and school permission. 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 the nature of work to be completed. Majors only.

**SOW 4930 VARIABLE TOPICS IN SOCIAL WORK (1-3)**

Restricted to Social Work majors; others by School permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student's educational interest.

**SOW 5930C SELECTED TOPICS IN SOCIAL WORK (1-4)**

Restricted to Social Work majors, both graduate and undergraduate; others by School permission. Course is taken as an elective. Variable title courses will selectively expand specific social work content areas. May be repeated in varying topic areas.

## Sociology

**SYA 3010 CLASSICAL THEORY (3)**

PR: SYG 2000 or CI. The analysis of the philosophical foundations, central principles, and historical development of sociological theory. Required for Sociology majors and minors.

**SYA 3015 CONTEMPORARY THEORY (3)**

PR: SYA 3010 and SYG 2000 or CI. An examination of recent trends in sociological theory. Emphasis is on theories examining symbolic interactions, lived experience, popular culture, and social structures.

**SYA 3300 RESEARCH METHODS (3)**

PR: SYG2000 and STA 2122 or its equivalent. Introduction to the scientific method and its application to social science research. Research design, sampling techniques, and critical evaluation of social research. Required for Sociology majors.

**SYA 3310 QUALITATIVE INQUIRY -6A -XLW (3)**

PR: SYG2000 or CI. Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives. Permit required.

- SYA 3503 VISUAL SOCIOLOGY** (3)  
PR: SYG2000 or CI. An investigation of the relationship between visual representation (especially photography) and our understanding of the social world.
- SYA 4430 COMPUTERS IN THE SOCIAL SCIENCES** (3)  
Introduction to the uses of computers in sociological research. Major emphasis is upon the use of statistical packages (principally SPSS) in data analysis.
- SYA 4910 INDIVIDUAL RESEARCH** (1-3)  
Four courses in sociology, including SYA3300, upper level standing, at least a 3.0 overall GPA, or CI. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration. May be repeated for credit. Up to 3 credits may count toward the minimum requirements for sociology credits for majors or minors. Permit required.
- SYA 4930 TOPICS IN SOCIOLOGY** (3)  
PR SYG2000 or CI. Selected specialized topics in sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, family violence, sexualities, 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 -XMW** (3)  
PR: Senior standing, SYG2000, SYA3010, SYA3300 plus 6 hours of sociology electives. 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. Majors only. Permit required.
- SYA 4949 SOCIOLOGICAL INTERNSHIP** (1-6)  
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 applying sociological skills and methods in the placement setting. May be repeated for up to 6 credit hours. (S/U only)
- SYD 3441 PEASANT PERSPECTIVES - AF** (3)  
PR: SYG2000 or 6 hours of other Social Science Gen. Ed. coursework or CI. Examines the applicability of sociological concepts to peasant life around the world, and explores the roles played by "western" societies in creating and sustaining the conditions under which peasants live.
- SYD 3700 RACIAL AND ETHNIC RELATIONS** (3)  
PR: SYG2000 or CI. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.
- SYD 4020 GLOBAL POPULATION** (3)  
PR: SYG2000 or CI. Upper level standing. Sociological determinants of fertility, mortality and migration; theories of population change.
- SYD 4410 URBAN SOCIOLOGY** (3)  
PR: SYG2000 or CI. Upper-level standing. The social structure of the community in modern industrial societies. Analysis of community change.
- SYD 4800 GENDER AND SOCIETY** (3)  
PR: SYG2000; WST2010 or 2011; or CI. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Women's Studies).
- SYG 2000 INTRODUCTION TO SOCIOLOGY -SS** (3)  
An introduction to sociological perspectives and methods and the basic areas of sociological interests such as socialization, gender, race and ethnic relations, deviance, social control, and social stratification. Required for Sociology majors and minors.
- SYG 2010 CONTEMPORARY SOCIAL PROBLEMS -SS** (3)  
The analysis of social causes and dimensions of major public issues such as crime, the environment, inequality, gender, employment, and substance abuse.
- SYG 2412 MARRIAGE** (3)  
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 3120 SOCIOLOGY OF FAMILIES** (3)  
PR: SYG2000 or CI. Examination of the family as a social institution, principles of family organization. Variations in American family types by social class, race, ethnicity. Social changes and problems in American families.
- SYO 3200 SOCIOLOGY OF RELIGION** (3)  
PR: SYG2000 or CI. An examination of the meanings of religion in lived experiences in the contemporary United States. Includes the construction and maintenance of religious meanings and communities, the impact of those meanings and communities on daily lives, use and impact of religious discourse in daily lives, social movements motivated by religious beliefs.
- SYO 3500 SOCIAL ORGANIZATION** (3)  
PR: SYG2000 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.
- SYO 3530 SOCIAL STRATIFICATION** (3)  
PR: SYG2000 or CI. Social status and social stratification, social class as a factor in behavior, social mobility.
- SYO 4300 POLITICAL SOCIOLOGY** (3)  
PR: SYG2000 or CI. An examination of the social factors that affect government, politics, and political behavior.
- SYO 4370 OCCUPATIONS AND PROFESSIONS** (3)  
PR: SYG2000 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 HEALTH AND SOCIETY** (3)  
PR: SYG 2000 or CI. The study of disease and the sick person including the analysis of health practices, beliefs, and practitioners, the hospital as an organization, the cost, financing, and politics of health care.
- SYO 4410 DISABILITY & SOCIETY** (3)  
PR: SYG2000 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)  
PR: PSY2012 or SYG2000 or CI. An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.
- SYP 4300 COLLECTIVE BEHAVIOR** (3)  
PR: SYG2000 or CI. Study of the development of group and mass behavior crowds, social movements.
- SYP 4420 CONSUMER CULTURE** (3)  
PR: SYG2000 or CI. The exploration of how Americans' purchasing behavior connects to larger historical shifts in our economy, including disenchantment, alienation, inequality, and the rise of the credit card society.
- SYP 4510 SOCIOLOGICAL ASPECTS OF DEVIANCE** (3)  
The examination of the social construction of deviance: How deviance is defined, implications of deviance designations. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.
- SYP 4530 SOCIOLOGY OF JUVENILE DELINQUENCY** (3)  
PR: SYG2000 or CI. Sociological issues in defining delinquency; the nature of adolescence and delinquency; sociological theories of the causes of delinquency; types and consequences of social control applied to delinquents.
- SYP 4640 LEISURE IN SOCIETY** (3)  
PR: SYG2000 or CI. Sociological examination of leisure in the United States and other countries. Topics include changing leisure time patterns, relationships between leisure and work, personality, family, community, subcultures, religion, and social class.
- SYP 4650 SPORT IN SOCIETY** (3)  
PR: SYG2000 or CI. An examination of the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social



institutions, economic considerations, mass media, and the sport group as a micro-social system.

### Women's Studies

- AFA 4335 BLACK WOMEN IN AMERICA -6A -XMW** (3)  
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience. (May also be taken for credit in Africana Studies.)
- AMH 3561 AMERICAN WOMEN I** (4)  
A study of women in the evolution of American society from European origins to 1877. Women's roles in the family, economy, politics, wars, religion and reform movements will be examined. (May also be taken for credit in History.)
- AMH 3562 AMERICAN WOMEN II** (4)  
A study of women in the evolution of American society from 1877 to the present. Women's roles in the family, economy, politics, wars, religion and reform movements will be examined. (May also be taken for credit in History.)
- AMS 3370 SOUTHERN WOMEN: MYTH AND REALITY -6A** (3)  
An analysis of the myths surrounding Southern Women, this course will identify these myths, discern their sources and purposes, and contrast them with history. (May also be taken for credit in American Studies.)
- ANT 4302 SEX ROLES IN CROSSCULTURAL PERSPECTIVE**(3)  
PR: ANT 3410 or CI. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today. (May also be taken for credit in Anthropology.)
- COM 4030 WOMEN AND COMMUNICATION** (3)  
Examines women's patterns of communication in a variety of contexts. (May also be taken for credit in Communication.)
- PHI 4632 FEMINIST ETHICS -XMW** (3)  
A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hoagland and others. (May also be taken for credit in Philosophy.)
- PHM 5125 TOPICS IN FEMINIST PHILOSOPHY** (3)  
A study of recent feminist philosophical approaches to epistemology, aesthetics or political philosophy. (May also be taken for credit in Philosophy.)
- POS 4693 WOMEN AND LAW I** (3)  
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. Open to majors and non-majors. (May also be taken for credit in Government and International Affairs.)
- POS 4694 WOMEN AND LAW II** (3)  
PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. (May also be taken for credit in Government and International Affairs.)
- PUP 4323 WOMEN AND POLITICS -6A -XMW** (3)  
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. Open to majors and non-majors. (May also be taken for credit in Government and International Affairs.)
- REL 3145 WOMEN AND RELIGION -6A** (3)  
Status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them. (May also be taken for credit in Religious Studies.)
- SOP 3742 PSYCHOLOGY OF WOMEN -SS** (3)  
Theories of female personality. Current research on socialization, sexuality, reproduction. Emerging lifestyles and developmental tasks of the life cycle. (May also be taken for credit in Psychology.)

- SPT 2524 WOMEN WRITERS OF LATIN AMERICA** (3)  
Literature of Latin-American women (in translation). Topics related to race and ethnicity, values and ethics, social, economic, and political issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels. (May also be taken for credit in Modern Languages and Linguistics.)
- SYD 4800 GENDER AND SOCIETY** (3)  
PR: SYG 2000, WST 3010 or 3011; or CI. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (May also be taken for credit in Sociology.)
- WST 2309 THE FEMALE EXPERIENCE IN AMERICA -HP** (3)  
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 2380 HUMAN SEXUAL BEHAVIOR -SS** (3)  
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 female sexuality.
- WST 3010 INTRODUCTION TO WOMEN'S STUDIES -SS -NW** (3)  
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.
- WST 3011 ISSUES IN FEMINISM -SS** (3)  
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.
- WST 3210 WOMEN IN WESTERN CIVILIZATION I -6A -HP** (3)  
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in History.)
- WST 3220 WOMEN IN WESTERN CIVILIZATION II -HP** (3)  
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in History.)
- WST 3275 WOMEN IN THE DEVELOPING WORLD** (3)  
Survey of status of women in Asia, Africa, Latin and Caribbean America, compared to that in USA, Canada, West Europe, Marxist-Leninist countries. (May also be taken for credit in Government and International Affairs.)
- WST 3360 MEN AND SEXISM** (3)  
Ways in which sex role conditioning affects the lives of men. Factors in this conditioning, and alternatives to masculine sex role models.
- WST 4260 RESEARCH ISSUES ON WOMEN OF COLOR -6A -XMW** (3)  
An interdisciplinary introduction to the research process as it has been carried out on women of color nationally and internationally.
- WST 4262 LITERATURE BY AMERICAN WOMEN OF COLOR -6A -XLW** (3)  
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. (May also be taken for credit in English.)
- WST 4263 THIRD WORLD WOMEN WRITERS -XLW** (3)  
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. (May also be taken for credit in English.)
- WST 4310 FEMINISM IN AMERICA -6A -XMW** (3)  
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)**

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)**

A study of representation of women in Hollywood films and the responses of feminist film theorists and filmmakers working in documentary, experimental and narrative modes.

**WST 4342 CLASSICS IN FEMINIST THEORY -XMW (3)**

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 4350 WOMEN AND SCIENCE -XMW (3)**

An examination of selected issues related to women and the natural and physical sciences including: historical participation of women in science, current status of women in science, and feminist critiques of science as a discipline.

**WST 4900 DIRECTED READINGS (1-3)**

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. May be repeated up to 6 credit hours.

**WST 4910 DIRECTED RESEARCH (1-3)**

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. May be repeated up to 6 credit hours.

**WST 4930 SELECTED TOPICS (1-4)**

PR: WST 3010 or CI. Study in special areas such as Women and Work, Reproductive Law, Women and Health.

**WST 4935 SEMINAR IN WOMEN'S STUDIES (3)**

PR: Women's Studies Major. 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 5001 FEMINIST RESEARCH AND METHODOLOGY (3)**

The main goals of this course are to develop a more comprehensive understanding of the situation of women in society and to develop a theoretical basis for integrating this knowledge into the student's graduate course of study.

**WST 5266 WOMEN OF COLOR: ACTIVISM AND SOCIAL****CHANGE (3)**

Intensive reading and discussion of the participation of women of color in contemporary revolutionary and reformist activities. Class project involvement is required.

**WST 5318 FEMINIST SPIRITUALITY (3)**

This course will focus 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. (May also be taken for credit in Religious Studies.)

**WST 5934 SELECTED TOPICS (1-4)**

Study of current research methods and scholarship on women from a multidisciplinary perspective. May be repeated as topics vary. (CI).



# COLLEGE OF BUSINESS ADMINISTRATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

## COLLEGE MISSION

The USF College of Business Administration will provide high quality programs preparing students to contribute to and take leading positions in business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the community.

The College of Business Administration offers courses of study leading to both undergraduate and graduate degrees. All degree programs in the College of Business Administration are fully accredited by the American Assembly of Collegiate Schools of Business (AACSB).

The undergraduate curriculum which leads to a Bachelor of Arts or Bachelor of Science degree is composed of several segments: (1) broad general education in the arts, humanities and sciences; (2) the common body of knowledge for management responsibilities; (3) specialized areas of concentration in Accounting, Economics, Finance, Management, Marketing, General Business, Management Information Systems; and (4) opportunities for breadth in both business and nonbusiness subjects. Through flexibility in its requirements, the College is able to satisfy the different interest and career objectives of students with diverse backgrounds. Graduate programs in the College are described in the USF Graduate Catalog.

## BACCALAUREATE LEVEL DEGREE PROGRAMS

### Admission to the College Undergraduate Programs

1. Admission to the College of Business Administration is based upon availability of faculty and space by discipline.
2. The College of Business Administration is an upper level limited access college, which means that it has admission requirements in addition to those of the University in general.

The criteria to be admitted to the College of Business Administration are as follows:

- a. Minimum of 60 semester hours of college credit earned.
  - b. Minimum of 2.0 cumulative grade point average on all college-level work and minimum 2.0 on all credit attempted at USF including any prior to salvage.
  - c. Completion of these prerequisite college courses (or equivalents):
    - Financial Accounting
    - Managerial Accounting I
    - Microeconomics
    - Macroeconomics
    - Statistics I
    - Computers in Business
    - Calculus for Business
  - d. All courses (or their equivalents) listed in c., above, must be completed: (1) with at least a C grade, and (2) with a combined minimum grade point average of 2.0.
  - e. 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.
3. 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.
  4. Minimum of 550 on TOEFL when applicable.
  5. Students must be admitted to the College of Business Administration at least one term before their anticipated graduation date.

## Academic Dismissal

Students who have been dismissed twice from the University for academic reasons will not be readmitted to the College of Business Administration.

## Transfers from Junior/Community Colleges

Junior/community college students should complete the program of general education at the junior/community college.

Students pursuing the associate degree in university transfer/parallel curricula at the junior/community college should take two semesters of mathematics to include a course in business calculus, two semesters of accounting principles, two semesters of economic principles; one semester of statistics, and one semester of computers in business and, perhaps, a speech course. (See paragraph 2c above.) Students pursuing associate degrees in terminal/career programs must be aware that some courses taken at the junior/community college may not be acceptable for credit in the baccalaureate programs at USF.

Students should avoid taking any Business courses at the junior/community college which are listed as 3000 and 4000 level courses at USF. Normally, courses in finance, marketing, management, and accounting as well as other business administration and economic courses taken at the lower division level which are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon proper validation of such courses. Validation consists of CLEP or other written examinations prepared and administered by the College of Business Administration, USF.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

A student wishing to transfer to USF should complete the A.A. degree at a Florida community/junior college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. If a student transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit, a student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. A transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

To be admitted to the College of Business Administration upper division major, a student must first be accepted to the university. Additionally, a student must have completed a minimum of 60 semester hours, earned a 2.0 all-college grade point ratio, and completed the prerequisite courses below with a 2.0 GPA, no grade lower than a "C" and a 2.0 GPA in all work attempted at USF, including any credit prior to salvage. A student working toward meeting the limited access criteria and who has completed 60 hours will be permitted to enroll in selected upper division courses.

- ACG X021 Financial Accounting  
or ACG X001 and ACG X011
- ACG X071 Managerial Accounting I
- CGS X100 Computers for Business
- ECO X013 Economic Principles (Macroeconomics)
- ECO X023 Economic Principles (Microeconomics)
- MAC X233 Calculus for Business
- STA X023 Introductory Statistics I  
or QMB X100

## Transfer Students From Other Colleges and Universities

Transfer credits ordinarily will be accepted from accredited institutions in the amount earned; however, all hours earned may not always be applied toward graduation. Individual courses will be evaluated and appropriately credited toward requirements in the student's program at USF. Transfer students are required to complete satisfactorily, at USF a minimum of 50 percent (30-33 semester credit hours, depending on major) of required business courses, including 12 - 18 semester hours in the major field. Independent study and independent research courses do not fulfill this requirement. Students should be aware that USF Liberal Arts Exit Requirements will normally increase the minimum residency at USF by an additional six to nine credit hours. Note that College of Business Administration academic residency requirements for graduation exceed the minimum requirements established for USF.

## General Requirements for B.A./B.S. Degree

Students must satisfactorily complete a minimum of 120 semester hours, of which 60 or more must be earned at baccalaureate degree-granting institutions. 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. These electives may be either business or non-business. More specifically the requirements for graduation are:

### 1. Non-Business

General Education Requirements	Semester Hours
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
<b>TOTAL</b>	<b>36</b>

Exit Requirements	Semester Hours
a. Major Works and Major Issues	6
b. Literature and Writing	3
<b>TOTAL</b>	<b>9</b>

(see Liberal Arts Requirements for more details)

**SUFFICIENT ELECTIVE COURSES TO REACH A MINIMUM NON-BUSINESS HOURS** 54

### 2. Business

Foundation Courses in Business	
ACG 2021 Principles of Financial Accounting	3
ACG 2071 Principles of Managerial Accounting	3
CGS 2100 Computers in Business	3
ECO 2013 Economic Principles: Macroeconomics	3
ECO 2023 Economic Principles: Microeconomics	3
QMB 2100 Business & Economic Statistics I	3
BUL 3320 Law and Business I	3
ECO 3100 Managerial Economics	3
FIN 3403 Principles of Finance	3
QMB 3200 Business & Economic Statistics II	3
MAN 3025 Principles of Management	3
ISM 3431 Management Science POM	3
MAR 3023 Basic Marketing	3
GEB 4890 Business Policy	3
<b>Total Foundation Courses in Business</b>	<b>42</b>

**Major Requirements** 18-24

Sufficient courses to reach at least 60 hours

**Minimum Business Courses** 60-72

### 3. Electives in Business or Non-Business

Sufficient elective courses to reach a minimum of 120 hours

**Minimum Total Hours** 120

- All Business majors are required to take a speech course (SPC 2023, COM 3110 or equivalent) and an advanced writing course (ENC 3213, ENC 3310, or equivalent).
- All business students are required to select at least one course that deals with contemporary international topics. This course can be included in the business, non-business, or elective category. Consult with a business advisor for suggestions on acceptable courses.
- A grade-point average of 2.0 must be achieved in the major field, as well as in all college work and in all USF work, for students to be certified for graduation. Students must have satisfactorily completed CLAST and the writing and computation course requirements of 6A-10.30 ("Gordon Rule"). 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). American Sign Language is not approved by the College of Business for the Foreign Language Exit Requirement.
- All courses in the major or minor field and all foundation courses in business must be taken on a graded basis; the S/U option is not available.
- Accounting majors are not required to take ACG 2071 and may enroll in ACG 3103 upon the completion of ACG 2021 and admission to the College of Business Administration. While the College provides advising services to assist students with academic planning, the responsibility for seeing that all graduation requirements are met ultimately rests solely with the student.

## Student Advising and Records

The Office of Undergraduate Programs provides the following services for College of Business Administration students:

- Academic advising and program information.
- Orientation for undergraduate students applying for admission to the College of Business Administration. Orientation is mandatory prior to being accepted.
- Registration and drop/add for business courses.
- Evaluation of undergraduate transcripts of transfer students.
- Maintenance of academic advising records for all admitted students.

## PROGRAMS AND CURRICULA

### ■ GENERAL BUSINESS (GBA)

The General Business Major is a program of study that will allow the student to take additional upper level course work in several business and, in some instances, other disciplines related to the student's plan of study.

### • Requirements for the B.A./B.S. Degree

Within the 120 semester hour program as listed in the General Requirement section, students must complete a minimum of 18 hours of upper level courses beyond the business core requirements.

Students are required to take one upper level course from each of the following groups:

- Accounting:**
- ACG 3103 Intermediate Financial Accounting I (3)
  - ACG 3341 Cost Accounting and Control I (3)
  - TAX 4001 Concepts of Federal Income Taxation (3)
- Economics:**
- Any course offered by the Economics Department numbered 3000 or above. (3)
- Finance:**
- Any course offered by the Finance Department numbered 3000 or above (except FIN 3100 and FIN 3105)(3)
- Management:**
- MAN 3240 Organizational Behavior Analysis (3)
  - MAN 3401 Industrial Relations (3)
  - ISM 3011 Management Information Systems (3)



# Marketing:

MAR 3823 Marketing Management	(3)
MAR 3613 Marketing Research	(3)
Other upper level business electives	(3-9)
<b>TOTAL</b>	<b>(18-24)</b>

Independent study and independent research courses are not appropriate electives.

## • Requirements for a Minor in Business Administration (Non-Business Majors Only)

Admission to the Business Administration Minor Program requires the signature of the student's major program advisor. All students admitted to the program must complete an introductory computer course (with a content similar to CGS 2100 Computers in Business) or obtain a waiver for this requirement from the College of Business Administration by demonstrating competence in the use of computers.

The course requirements are:

1. ACG 3074 Managerial Accounting for Non-Business Majors\* (3)  
ECO 1000 Basic Economics\*\* (3)  
FIN 2935 Introduction to Managerial Finance (3)  
GEB 2935 Business: On the Cutting Edge (3)  
MAN 4930 Managerial Applications (3)  
MKT 3023 Basic Marketing (3)
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 12 hours of the required 18 credit hours must be taken in residence at USF.

\*ACG 2021 & ACG 2071 may be substituted for ACG 3074.

\*\*ECO 2013 & ECO 2023 may be substituted for ECO 1000.

## ■ ACCOUNTING (ACC)

The objectives of the baccalaureate degree program in accountancy are to provide students with accounting and business knowledge that will serve as a basis for careers in industry, government, non-profit organizations and public accountancy.

The baccalaureate program also prepares students for entry into the Master of Accountancy (M.Acc.) professional degree program.

The State of Florida, like most states, requires a fifth year of education in order to sit for the CPA examination. Any further questions concerning the CPA examination should be directed to the faculty of the School of Accountancy.

## • Requirements for the B.A./B.S. Degree

In addition to the non-business and business foundation courses listed in the General 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, and sufficient elective hours to reach a 120 hour total.

### 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)
<b>Total</b>	<b>(18)</b>

### Electives (9 hours)

ACG 4123 Intermediate Financial Accounting III	(3)
ACG 4351 Cost Accounting and Control II	(3)
ACG 5201 Advanced Financial Accounting	(3)
ACG 4501 Governmental/Not-for-Profit Accounting	(3)
ACG 4642 Auditing II	(3)
ACG 4931 Selected Topics	(3)
ACG 4932 Honors Accounting Seminar	(3)
ACG 5671 Internal and Operational Auditing	(3)

TAX 5011 Federal Taxation of Business Entities	(3)
<b>Total</b>	<b>(9)</b>

The student's program must also include coursework taken in behavioral sciences and humanities, such as psychology, anthropology, and sociology, and the political environment of business and society, such as political science, public administration, and ethics. College of Business Administration advisors will recommend courses that will satisfy the program requirements.

Accounting majors can use the forgiveness policy only once in upper level accounting courses. Accounting courses taken by accounting majors on an S/U basis will not be counted toward the 120 hour graduation requirement. Independent Research, ACG 4911, will not be accepted as credit toward the minimum degree requirements in the accounting concentration.

Accounting majors must earn a "C" grade in each of the sequential upper-level accounting courses before being allowed to go on to the next course: i.e., ACG 3103, ACG 3113, ACG 3341, ACG 4632, TAX 4001.

## ■ ECONOMICS (ECN)

Economics offers a clear and logical approach to business decision-making. The department offers broad course choices allowing students to tailor their programs to provide training for careers in business as well as teaching, government, and law. Students interested in majoring or minoring in economics should contact the Undergraduate Advisor in the Economics Department for more information.

## • Requirements for the B.A./B.S. Degree

Within the 120-semester hour program as listed in the General Requirements section, students must complete a minimum of 18 hours of upper-level economics beyond the business core requirements. Students must obtain a grade of "C" or higher in ECO 3100 managerial Economics or ECO 3101 Intermediate Price Theory, in order to enroll in any course for which ECO 3100, ECO3101 or ECO 3203 is a prerequisite. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF. Grades of "C" or better in ECO 2013 and ECO 2023 are required for graduation with a major in Economics.

### Required Economics Courses:

ECO 3203 Intermediate Income and Monetary Analysis	(3)
15 hours of upper-level economics courses	(15)
At least 9 hours must be in courses for which ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.	
<b>Total</b>	<b>(18)</b>

### Requirements for a Minor in Economics:

Students throughout the University may earn a minor in Economics by satisfactorily completing 18 hours in Economics. The requirements are:

1. ECO 2013 Economic Principles: Macroeconomics (3)  
ECO 2023 Economic Principles: Microeconomics (3)  
Upper level economics electives (including QMB 3200) (12)  
**Total Economics Hours** (18)  
Business majors may obtain a minor with only 6 additional hours in economics.
2. Before being recognized as a minor in economics, a student must obtain program approval by the Economics Department Undergraduate Advisor.
3. A grade point average of 2.0 or higher must be achieved in minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor.
4. At least 9 hours must be taken in residence at USF.

**The Economics Pre-Law Curriculum**

Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.

Beyond ECO 2013 Economic Principles (Macroeconomics) and ECO 2023 Economic Principles (Microeconomics), students should elect ECP 4451 Law and Economics. ECP 3413 Economics of Regulation and Antitrust and ECO 4935 Economics of Crime are strongly recommended. Additional courses of interest are: ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, ECP 3201 Economics of Women and Work.

The Economics Pre-Law Curriculum fits easily within the Economics major or minor but is open to other students. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test or applying for admission to law schools.

**■ FINANCE (FIN)**

The Finance major provides a broad-gauged analytical program for students anticipating a career in the management of both large and small organizations. Finance provides a good background for students seeking a general career in business. Finance majors may elect to follow tracks which prepare them for entry and advanced careers in

- the financial management of corporations
- the management of financial institutions
- investments
- financial services, insurance, and real estate.

In addition, the program in Finance is designed to provide the skills required by students earning degrees in other business disciplines and by students who seek professional degrees in areas such as law and public administration.

The Finance program offers applied and theoretical courses to enable the graduate to identify and solve problems in the acquisition and allocation of funds by organizations in the public and private sectors in domestic and international settings. It provides the background necessary for managing wealth in a risky environment. Finance relies on an interdisciplinary approach which draws on economic theory, accounting, information systems and the quantitative decision frameworks of statistics and mathematics.

The major is designed to insure that graduates will be familiar with the tools of financial decision-making and that they will possess the skills to stay abreast of the developments in the field. Finance graduates will understand the functions and operations of financial markets, will become familiar with computer applications in finance, and will know how to access and utilize financial information. Course content is designed to provide majors with an appreciation of cooperative work skills and to enhance their verbal and written communication skills.

**• Requirements for the B.A./B.S. Degree**

Within the 120 semester hour program as listed in the General Requirements section, students must complete a minimum of 18 hours and a maximum of 24 hours of upper-level finance courses beyond FIN 3403.

Required Finance Courses:

FIN 4303 Financial Institutions and Markets (3)

FIN 4414 Advanced Corporation Finance (3)

FIN 4504 Principles of Investments (3)

Additional upper level Finance electives (9-15)

Total (18-24)

Finance electives may be selected from among those 3000 and 4000 level classes which have FIN, REE, and RMI prefixes. At least two electives must have an FIN prefix. The following Finance tracks are recommended for students with specific interest in the following career areas:

**Corporate Financial Management**

FIN 3604 International Finance

FIN 4412 Working Capital Management

FIN 4443 Financial Policies and Strategies

**Management of Financial Institutions**

FIN 3233 Money and Banking

FIN 3604 International Finance

FIN 4324 Bank Management

FIN 4412 Working Capital Management

FIN 4443 Financial Policies and Strategies

**Investments**

FIN 3604 International Finance

FIN 4514 Advanced Investment Analysis and Management

REE 4303 Real Estate Investment Analysis

**Financial Services**

FIN 3604 International Finance

FIN 4514 Advanced Investment Analysis and Management

REE 3043 Principles of Real Estate

REE 4303 Real Estate Investment Analysis

RMI 3011 Principles of Insurance

**• Requirements for a Minor in Finance (for Business Majors only)**

Students majoring in Business Administration may minor in Finance. The requirements are:

1. FIN 4504 Principles of Investments (3)
- FIN 4303 Financial Institutions and Markets (3)
- FIN 4414 Advanced Corporation Finance (3)
- Another upper level Finance Elective with an FIN, REE, or RMI prefix (3)
- TOTAL Finance Hours (12)

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.

3. At least 9 of the required 12 credit hours must be taken in residence at USF.

**■ INFORMATION SYSTEMS AND DECISION SCIENCES (ISM)**

The Management Information Systems (MIS) major provides the skills and knowledge necessary for information systems development and support positions in both business and non-business organizations.

**• Requirements for the B.A./B.S. Degree**

Students will typically enter the program at the beginning of their junior year. Within the 120 semester hour program listed in the General Requirements section, students must complete a set of five MIS courses, which are required of all majors, plus six to nine hours of approved MIS electives. No more than three credit hours can be applied toward the major for ISM 4905 and/or ISM 4950.

Required MIS Courses:

ISM 3230 Introduction to 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 Services (3)

Approved MIS Electives (6-9)

Total (21-24)

ISM 3230 (Introduction to Business Application Development) is to be taken before, or concurrently with, ISM 3113 (Systems Analysis and Design) which is a prerequisite for all other required MIS courses. Normally ISM 3113 should be completed by the end of the first semester of the junior year.

Students may choose to take either ISM 3232 (Advanced Business Application Development) plus 6 hours of approved MIS electives OR a 2-semester sequence in COBOL programming (two 3-hour courses) plus 6 hours of approved MIS electives. Both COBOL courses are currently offered by the College of Engineering and will NOT count as MIS or Business electives.



### • Requirements for a Minor in MIS (for Business Majors only)

Students majoring in Business Administration may minor in MIS. The requirements are:

1. ISM 3230 Introduction to Business  
Application Development (3)  
ISM 3113 Systems Analysis & Design  
(PR/CR ISM 3230) (3)  
Plus, any 2 of the following: (6)  
ISM 3233 Advanced Business Application  
Development  
ISM 4212 Database Administration  
ISM 4220 Business Data Communication  
Total MIS hours (12)
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

### ■ MANAGEMENT (MAN)

The undergraduate degree in the Department of Management prepares students for entry level positions in Human Resource Management, Industrial Relations, and Small Business Management. It also prepares students for entry into graduate programs, such as the Master of Science in Management and the Master of Business Administration.

#### • Requirements for the B.A./B.S. Degree

Within the 120-semester-hour program as listed in the General Requirements section, students must complete 18 hours of management beyond MAN 3025.

Required Management Courses:

MAN 3240 Organizational Behavior Analysis	(3)
Additional upper-level management courses	(15-21)
Total	(18-24)

MAN 4504 and MAN 4507 do not count towards the management major.

Students are encouraged to seek additional curriculum advice from the Management Department.

#### • Requirements for a Minor in Management (For Business Majors Only)

Students majoring in Business Administration may minor in Management.

The requirements are:

1. MAN 3240 Organizational Behavior Analysis (3)  
Management electives approved by department chair (9)  
Total Management hours (12)
2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.
3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

### ■ MARKETING (MKT)

Marketing is a dynamic field with many dimensions, including product selection and planning, product distribution, pricing and promotion. Marketing poses many challenges and yields generous rewards for those meeting these challenges. Marketing operations are carried out domestically and internationally in virtually all business organizations offering a product or service. Many marketing concepts are applicable to the operations of non-profit organizations such as governmental, educational, and health care institutions as well as charitable and political campaigns.

Marketing operations provide the most visible links between the firm or institution and its many publics. Marketing in the end deals with people, people who are constantly changing in their needs, wants and desires; and coupled with these changing tastes is a fiercely competitive environment sustained by all the resources of a rapidly evolving technology. These forces lead

to much of the challenge -- to much of the dynamic nature of marketing.

The marketing program at USF prepares students for initial entry and management positions in many areas of marketing with a curriculum that is concerned with:

1. Understanding consumer behavior and the broader environment within which the firm or institution operates;
2. Collecting, analyzing, and using information about customers, competitors, and the environment for managerial decisions;
3. Distributing products effectively and efficiently from producer to user;
4. Advertising and promoting the offerings of the firm or institution effectively;
5. Creatively and effectively managing a sales force selling industrial or consumer goods and services; and
6. Managing retail and wholesale operations including the conceptualization, implementation and evaluation of the buying, merchandising, and control functions.

Each student is strongly encouraged to set up an individualized plan of study with the assistance of a Marketing department faculty adviser. Such counseling can lead to a better definition of career objectives and will result in a plan of study that is consistent with each student's career objectives.

Undergraduate students in the College of Business not majoring in Marketing are encouraged to take selected offerings from the Marketing curriculum to broaden their backgrounds and to prepare for marketing-related positions in business or non-profit organizations.

#### • Requirements for the B.A./B.S. Degree:

Within the 120-semester-hour program as listed in the General Requirements section, students must complete a minimum of 18 hours in marketing beyond MAR 3023.

Required Marketing Courses:

MAR 3823 Marketing Management	(3)
MAR 3613 Marketing Research	(3)
MAR 4824 Marketing Management Problems	(3)
Additional upper-level marketing courses	(9-15)
Total	(18-24)

It is strongly recommended that marketing majors include courses in speech, computer science, finite mathematics, social psychology, and mass communications as part of their general electives.

The following Marketing elective tracks are recommended for students with specific interests.

#### Industrial Marketing/Sales Management

MAR 4403 Sales Management
MAR 4453 Business to Business Marketing
MAR 4503 Buyer Behavior
MAR 3400 Professional Selling

#### Promotion (Industrial and/or Consumer)

MAR 4333 Promotion Management
MAR 4503 Buyer Behavior
MAR 4933 Promotion Campaigns
MAR 3400 Professional Selling

#### Logistics and Physical Distribution (Industrial and/or Consumer and/or International)

MAR 4203 Channels Management
MAR 4213 Logistics and Physical Distribution Management
MAR 4453 Business to Business Marketing
MAR 4231 Retailing Management

and/or

MAR 4156 International Marketing

#### Retailing

MAR 4231 Retailing Management
MAR 4503 Buyer Behavior
MAR 4333 Promotion Management

and/or

MAR 3400 Professional Selling
MAR 4213 Logistics and Physical Distribution Management

## College of Business Administration International Programs

### Certificate in International Business

The Certificate in International Business provides students with the perspectives, knowledge, skills and experience necessary for successful careers in today's global environment. A statement recognizing the completion of the Certificate in International Business will appear on the student's official transcript.

To qualify for the Certificate in International Business students must satisfy the requirements for one of the undergraduate major degree programs in Business Administration, and also complete sufficient additional course work to attain a minimum of 18 semester credit hours of upper level international business or approved related course work. With approval, international courses taken to meet degree requirements may also be used to meet the 18 credit hour certificate requirement. At least four of the six international courses must be selected from a set of approved international business courses (see below). Up to two of the six courses in the certificate may be approved area studies courses, or other courses taken outside the College which are relevant to the student's international area of interest. At least 12 semester hours of the course work in the Certificate in International Business program must be taken at USF. A grade point average of 2.0 or higher must be achieved in certificate course work taken at USF, as well as in any transfer work applicable to the certificate program. In addition to the specified course requirements, competency to effectively communicate in a foreign language must be demonstrated. Language competency will normally be evaluated by the USF Division of Languages. Students are strongly advised to choose a specific region of the world as the focal point for the area studies and language aspects of their programs.

### Minor in International Business

#### Students Majoring in Business Administration

To qualify for the minor in International Business, students with a major in one of the undergraduate degree programs in Business Administration must successfully complete a minimum of 12 hours of international business or related course work. At least three courses (nine semester credit hours) in the minor must be selected from a set of approved upper level international business courses (see below). One of the courses in the minor may be an approved area studies course, or other course, taken outside the College which is relevant to the student's international area of interest. A minimum of nine semester hours of the minor course work must be taken at USF. A grade point average of a 2.0 or higher must be achieved in minor course work taken at USF, as well as in any transfer work applicable to the minor. Competency to effectively communicate in a foreign language is strongly advised.

#### Non-Business Administration Majors

To qualify for the International Business minor non-business majors must complete the requirements for the minor in Business Administration (see previous Requirements for a Minor in Business Administration) and, in addition complete at least three courses (nine semester credit hours) selected from a set of approved upper level international business courses (see below). At least three of the international courses must be completed at USF. 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 certificate program. Competency to communicate in a foreign language is strongly advised.

A statement attesting to the completion of the Minor in International Business will appear on the student's official transcript.

### Courses Approved for the Certificate in International Business and the Minor in International Business

The following courses are currently approved for the International Business major and minor:

ECO 3703	International Economics
ECO 4713	International Monetary Economics
FIN 3604	International Finance
MAR 4156	International Marketing

Others courses will be added as they are developed and approved. In addition, the College frequently offers *Selected Topics* courses that qualify for the International Business major and minor. Students should consult with an advisor for additional approved courses.

### Recommendations for Students Interested in International Business

To increase the quality and number of initial job opportunities and to enhance longer-term career objectives students are strongly advised to:

- Couple study of international business with a major or minor in one of the functional areas of business. The combination of international business and one of the traditional functional areas of business administration is a very attractive set of qualifications in the marketplace.
- Include an international internship and/or overseas study experience in the program. With careful planning, a student can complete an area studies course, an international business course and language training in a single term of relatively inexpensive study abroad. More information is available from the Business Undergraduate Programs Office and the International Business Programs Office.
- Maintain a portfolio of international academic and professional activity. Information on the content of such a portfolio is available from the International Business Programs Office.

### Other Campuses

Due to limited enrollment and faculty, only the following majors are regularly offered at the Regional Campuses:

#### St. Petersburg

Accounting, Management, and General Business Administration

#### Sarasota

Accounting and General Business Administration

#### Lakeland

Accounting and General Business Administration

Students may declare other business majors while attending these locations, but it may be necessary to finish their major study requirements at another campus within the University.

### 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** - A progressive coed professional business fraternity committed to providing a forum for leadership development in preparation for careers in all areas of business.

**Association of Marketing Students** - A collegiate chapter of the American Marketing Association, will help to further the growth of business oriented individuals within the field of Marketing.

**Beta Alpha Psi** - The national professional accounting fraternity devoted to the promotion of the profession, inspiring professional ideals, and recognizing academic achievement.

**Beta Gamma Sigma** - Honorary society which encourages and rewards outstanding scholarship among business students.



**Business College Council** - An organization whose representatives from each of the major fields advises the Dean of the College and the faculty on student attitudes and goals. Also, it acts as a liaison between the Student Government Association and the College of Business Administration.

**Delta Sigma Pi** - Fosters the study of business and a close association between students and the business world.

**Economics Club** - Provides a forum for discussion of economic issues and actively encourages communication between students and Economics faculty.

**Management Information Systems Society** - Student chapter of the Data Processing Management Association, career oriented and interested in all areas of business data management.

**Minority Business Association** - Encourages and supports students in their efforts to achieve success in a demanding academic setting.

**National Association of Black Accountants** - Develops, encourages, and serves as a resource for greater participation by African-Americans and other minorities in the accounting and finance professions.

**Phi Chi Theta** - A career oriented professional organization that encourages the study of business.

**Pi Omicron Mu** - An organization which practices the art and science of production and inventory management. ASPICS's primary objective is to develop professional efficiency through study, research, and application of scientific methods. Professional meetings and publications promote the dissemination of knowledge and information.

**Pi Sigma Epsilon** - A professional society interested in marketing, sales management, and selling.

**Sigma Iota Epsilon** - An honorary and professional management society affiliated with the Academy of Management.

**Student Accounting Organization** - Promotes accounting both as an academic discipline and as a profession.

**Student Finance Association** - An organization for finance majors and other business-oriented students which provides exposure to the many facets and opportunities in the field of finance.

## BUSINESS ADMINISTRATION FACULTY

### Accounting/Law

*Director, School of Accountancy:* R. M. Keith; *James E. Ellis Rooks Distinguished Professor in Business Administration:* D. M. Dennis; *Professors:* D. M. Dennis, C. W. Dungan, T. J. Engle, J. A. Fellows, G. L. Holstrum, K. L. Hooks, R. M. Keith, G. H. Lander, J. R. Martin, C. J. O'Neil, J. L. Smith, W. L. Stephens, R. J. West; *Professors Emeritus:* L. C. Jurgensen; K. W. Merriam; *Associate Professors:* J. F. Bussman, L. C. Harris, S. C. Kahn, G. A. H. Laursen, W. H. Parrott, J. D. Siebel, R. F. Welker, G. F. Whittaker; *Assistant Professors:* J. E. Hunton, J. Lasseter, M. G. McCoskey, W. C. Quilliam; *Instructor:* C. L. Jozsi, T. A. Price.

### Economics

*Chairperson:* J. W. Rowe, Jr.; *Professors:* D. M. Bellante, T. D. Curtis, J. S. DeSalvo, K. Gyimah-Brempong, J. S. Hodgson, M. G. Herander, P. K. Porter, J. W. Rowe, Jr., E. W. Shows; *Professors Emeriti:* G. Brunhild, W. J. Herman; *Associate Professors:* J. P. Cooke, E. J. Ford, C. A. Green, E. A. Hanni, R. F. Shannon, J. G. Spence, C. R. Thomas, R. M. Wilson; *Assistant Professor:* B. Kamp, S. S. Lee, G. Picone, J. Racine, J. Swinton; *Lecturers:* S. Bartlett, S. Brandmeyer, V. H. Grigg.

### Finance

*Chairperson:* R. Meyer; *Lykes Professor of Banking & Finance:* J. L. Pappas; *University Distinguished Service Professor and Serge Bonanni Distinguished Professor of International Finance:* A. Beenhakker; *Professor Emeritus-Dean Emeritus:* R. G. Cox; *Professors:* A. Beenhakker, S. E. Bolten, S. Kaplin, R.

L. Meyer, J. L. Pappas, F. B. Power, A. Schwartz, K. F. Wieand; *Associate Professors:* S. Besley, S. B. Bulmash, D. A. Johnson, P. Kares, R. J. Rivard; *Assistant Professors:* J. Qi, R. Weigand; *Other Faculty:* J. Rader.

### Information Systems & Decision Sciences

*Chairperson:* P. H. Cheney; *Salomon Brothers/Hidden River Corporate Park Chair of Distributed Technology:* A. R. Hevner; *Professors:* S. J. Birkin, P. H. Cheney; *Associate Professors:* H. C. Allen, J. E. Blanton, R. A. Boggs, M. E. Cohen, T. C. Harrington, E. M. Hufnagel, T. E. Johnson, Jr., T. L. Sincich, M. J. White, R. P. Will; *Assistant Professors:* R. W. Collins, A. Nelson, M. Prescott, R. Satterfield; *Instructor:* D. J. Berndt, M. Dummeldinger, R. Fentriss, C. Sanford; *Lecturers:* K. P. Temte, H. W. Stirling, S. Walczak.

### Management

*Chairperson:* G. A. Balfour; *Professor Emeritus:* E. Dutton; *Professors:* C. F. Cohen, R. E. Dutton, J. M. Jermier, M. Karlins, J. T. Knippen, W. R. Nord, W. K. Schilit, K. R. VanVoorhis, T. L. Wheelen; *Associate Professors:* G. A. Balfour, J. Gaines, J. Koehler, N. McIntosh, C. E. Michaels, Jr., R. L. Nixon; *Lecturer:* E. Hargis.

### Marketing

*Chairperson:* W. B. Locander; *Professors:* R. L. Anderson, S. A. Baumbarten, W. B. Locander, T. E. Ness, D. J. Ortinu, P. J. Solomon, J. R. Stock; *Associate Professors:* E. J. Arnould, W. A. DeBord, J. R. Goolsby, J. S. Hensel, L. L. Price, M. B. Stamps; *Assistant Professor:* G. W. Marshall; *Instructors:* V. B. Griffis, J. E. Reedy; *Lecturers:* R. L. Leeds, C. E. Vincent.

## BUSINESS ADMINISTRATION COURSES

### General Business Administration

#### BUL 3320 LAW AND BUSINESS I (3)

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)

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 3360 THE LAW OF BUSINESS ASSOCIATIONS (3)

PR: BUL 3320. A study of the law of corporations, the law of partnerships, and the law of agency.

#### BUL 4331 LAW AND THE ACCOUNTANT (3)

PR: BUL 3320 or CI. A comprehensive study of commercial law as it affects the practice of accounting.

#### GEB 2350 DOING BUSINESS AROUND THE WORLD-SS (3)

This course introduces the student to: 1) the nature of international business; 2) the framework of international organizations and the monetary system within which international business functions; 3) forces affecting international business, and 4) management responses to problems caused by international environments.

#### GEB 2935 SELECTED TOPICS IN BUSINESS (1-6)

PR: CI. Topics to be selected by department chairs. May be repeated if topics vary. Not available for credit to upper-level students who have been admitted to the College of Business.

#### GEB 4890 BUSINESS POLICY -XMW (3)

PR: Senior standing and FIN 3403, MAN 3025, MAR 3023. The course is intended to provide a unifying, integrating, and coordinating opportunity to tie together concepts, principles, and skills learned separately in other, more specialized courses in Business Administration.

#### GEB 4905 INDEPENDENT STUDY (1-3)

PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to eight credit hours. (S/U only.)

**GEB 4915 INDEPENDENT RESEARCH** (1-4)

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 8 hours.

**GEB 4935 SELECTED TOPICS IN BUSINESS ADMINISTRATION** (1-4)

The content and organization of this course will vary according to the current interests of the faculty and needs of students.

**Accounting/Law****ACG 2021 PRINCIPLES OF FINANCIAL ACCOUNTING** (3)

Study of basic financial accounting principles including the recording, reporting and use of financial information and the preparation and interpretation of financial statements.

**ACG 2071 PRINCIPLES OF MANAGERIAL ACCOUNTING** (3)

PR: ACG 2021. A study of the accountant's role in assisting management in the planning and controlling of business activities.

**ACG 3074 MANAGERIAL ACCOUNTING FOR NON-BUSINESS MAJORS** (3)

The study of the uses of accounting data internally by managers in planning and controlling the affairs of organizations. Does not count towards major or CPA requirements.

**ACG 3103 INTERMEDIATE FINANCIAL ACCOUNTING I** (3)

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)

PR: ACG 3103. Continuation of ACG 3103. Topics covered include property, plant and equipment, intangibles, current liabilities, long-term debt, stockholders' equity, earnings per share computations, and investments.

**ACG 3341 COST ACCOUNTING AND CONTROL I** (3)

PR: AGG 2071 or ACG 3103. Deals with cost accounting systems for different entities, cost behavior patterns, cost-volume-profit analysis, relevant information for decision making, and budgets and standard costs for planning and control.

**ACG 3401 ACCOUNTING INFORMATION SYSTEMS** (3)

PR: ACG 2021 and CGS 2100. This course provides students with a basic understanding of well-controlled information systems in a variety of technological environments with added emphasis placed on the collection, processing, and reporting of accounting information. Students who complete this course will not receive credit for ACG 4621.

**ACG 4123 INTERMEDIATE FINANCIAL ACCOUNTING III** (3)

PR: ACG 3113. Theory and practice underlying revenue recognition, income tax allocation, leases, postretirement benefits, error analysis, statement of cash flows, full disclosure, and other current accounting topics.

**ACG 4351 COST ACCOUNTING AND CONTROL II** (3)

PR: ACG 3341. Application of the material covered in ACG 3341 with specific emphasis on cost allocations, performance measurements, analysis of current cost accounting systems and accounting in today's environment (giving consideration to the influences of the international environment).

**ACG 4501 GOVERNMENTAL/NOT-FOR-PROFIT ACCOUNTING** (3)

PR: ACG 2021. Application of financial and managerial accounting, and auditing, principles and theory to both governmental and not-for-profit entities.

**ACG 4621 COMPUTER CONTROL AND AUDIT** (3)

PR: ISM 3113. Study of information systems controls and auditing techniques emphasizing the effect both general and specific controls have on asset protection, data integrity, system effectiveness and efficiency in computerized business environments. Students who complete this course will not receive credit for ISM 4320 or ACG 3401.

**ACG 4632 AUDITING I** (3)

PR: ACG 3113 and ACG 3401. This course provides a sound conceptual foundation of basic Auditing process from the

perspective of the public accounting profession. Professional standards, ethics, legal responsibilities, and the utilization of technology are addressed.

**ACG 4642 AUDITING II** (3)

PR: ACG 4632. 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)

PR: Consent of Director. Specialized independent study determined by the students' needs and interests. May be repeated up to 6 credit hours. (S/U only.)

**ACG 4911 INDEPENDENT RESEARCH** (1-4)

PR: Consent of Director. Individual study contract with instructor and director required. The research project will be mutually determined by the student and instructor. May be repeated up to 8 hours.

**ACG 4931 SELECTED TOPICS IN ACCOUNTING** (1-4)

PR: CI. The course content will depend on student demand and instructor's interest.

**ACG 4932 HONORS ACCOUNTING SEMINAR** (3)

PR: Honors accounting student in final semester of bachelor's program. Use of case studies to explore the interaction of accounting and business topics that have been previously emphasized in separate courses.

**ACG 5201 ADVANCED FINANCIAL ACCOUNTING IV** (3)

PR: ACG 4123. Advanced accounting. Accounting for business combinations, preparation of consolidated financial statements, home office/branch relationships, foreign operations and transactions, and partnerships.

**ACG 5675 INTERNAL AND OPERATIONAL AUDITING** (3)

PR: ACG 3113 and ACG 3401; CR: ACG 4632. 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)

PR: CI. To allow advanced undergraduate students and graduate students to research and study contemporary and emerging topics in the field. May be repeated up to 6 credit hours.

**TAX 4001 CONCEPTS OF FEDERAL INCOME TAXATION** (3)

PR: ACG 2021. Major concepts used in taxation of income by federal government including enactment of tax laws, basic tax research, preparation of basic tax returns and exploration of tax policy issues.

**TAX 5015 FEDERAL TAXATION OF BUSINESS ENTITIES** (3)

PR: TAX 4001. Tax issues encountered by small businesses. Includes tax planning, capital formation and preservation, tax compliance and tax alternatives.

**Economics****ECO 1000 BASIC ECONOMICS -SS** (3)

Survey of Economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance. (No credit toward completing ECO 2023/2013. No credit toward the major or minor in Economics.)

**ECO 2013 ECONOMIC PRINCIPLES (MACROECONOMICS)-SS** (3)

Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth, balance of payments stability.

**ECO 2023 ECONOMIC PRINCIPLES (MICROECONOMICS)-SS** (3)

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)

PR: CI. Topics selected by department. May be repeated if topics vary. Not available for credit to upper-level students admitted to the College of Business.

**ECO 3100 MANAGERIAL ECONOMICS** (3)

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)  
PR: ECO 2023. The price system and allocation of scarce resources between competing uses. (May not receive credit for both ECO 3100 and ECO 3101.)
- ECO 3203 INTERMEDIATE INCOME & MONETARY ANALYSIS** (3)  
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)  
PR: ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.
- ECO 3703 INTERNATIONAL ECONOMICS -XMW** (3)  
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)  
PR: Grade of B or better in ECO 3100 or ECO 3101. An advanced survey of special topics in microeconomics: borrowing and saving, decision making under certainty, 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)  
PR: Grade of "B" or better in ECO 3203. An advanced survey of special topics in macroeconomics. Develops and contrasts the neoclassical growth, endogenous growth, real business cycle and new Keynesian models. Relevant empirical studies are presented.
- ECO 4303 HISTORY OF ECONOMIC THOUGHT** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.
- ECO 4323 MARXIST POLITICAL ECONOMY -XMW** (3)  
PR: ECO 2013 or CI. The Marxist school of thought in economics. Application of Marxist theory to problems of advanced capitalist and socialist societies.
- ECO 4401 INTRODUCTION TO MATHEMATICAL ECONOMICS** (3)  
PR: ECO 2013, QMB 3200, and MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.
- ECO 4421 INTRODUCTION TO ECONOMETRICS** (3)  
PR: QMB 3200 with grade of "B" or better or CI. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions. Examines problems of autocorrelation, heteroscedasticity, multicollinearity, and specification errors.
- ECO 4504 PUBLIC FINANCE** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. The public sector and its contribution to economic welfare. Government expenditures and revenues. Resource allocation, income distribution, stabilization, and economic growth.
- ECO 4713 INTERNATIONAL MONETARY RELATIONS** (3)  
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.
- ECO 4723 INTERNATIONAL COMMERCIAL POLICIES** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.
- ECO 4905 INDEPENDENT STUDY** (1-3)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 credit hours. (S/U only.)
- ECO 4914 INDEPENDENT RESEARCH** (1-3)  
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.
- ECO 4935 SELECTED TOPICS IN ECONOMICS** (1-3)  
PR: CI. Topics to be selected by the instructor or instructors on pertinent economic issues.
- ECP 3201 ECONOMICS OF WOMEN AND WORK -XMW** (3)  
PR: ECO 1000 or ECO 2013 and 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, gender differences in occupation and earnings.
- ECP 3203 LABOR ECONOMICS** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Determinants of wage and employment levels; occupation, industrial and geographical wage differentials, union and public policy effects on labor markets; the economics of discrimination; inflation and unemployment.
- ECP 3302 ENVIRONMENTAL ECONOMICS -XMW** (3)  
PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.
- ECP 3413 ECONOMICS OF REGULATION AND ANTITRUST** (3)  
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues or price fixing, mergers, and monopolization, and issues of regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.
- ECP 3530 ECONOMICS OF HEALTH** (3)  
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Application of economic methods to health care topics. Demand for medical care, public and private health insurance; physician and hospital supply of medical care; government regulations and national healthcare systems.
- ECP 3613 ECONOMICS OF THE URBAN ENVIRONMENT** (3)  
PR: ECO 2013 and ECO 2023. Economic analysis of cities and urban social problems. Poverty, discrimination, housing, transportation, pollution, crime and fiscal considerations.
- ECP 4232 COLLECTIVE BARGAINING AND PUBLIC POLICY** (3)  
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.
- ECP 4451 LAW AND ECONOMICS** (3)  
PR: ECO 2023. Advanced analysis of the economic impact of tort, criminal, property and contract law as well as in the formation and adjudication of law.
- ECS 3013 ECONOMIC DEVELOPMENT** (3)  
PR: ECO 2013 or CI. Economic development in emerging nations.
- ECS 4003 COMPARATIVE ECONOMIC SYSTEMS** (3)  
PR: ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

### Finance

- FIN 2104 PERSONAL FINANCE** (3)  
Survey of the problems and techniques of personal financial planning. Includes consumer credit, insurance, home ownership, and personal investing, with attention given to current economic and legal constraints. Not available for credit to upper level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA.
- FIN 2107 INTRODUCTION TO INVESTMENTS** (3)  
Emphasizes the operations of the security markets in the U.S. and the risks and returns of alternative investment media. Designed for non-business administration students. Not available for credit to upper level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA.
- FIN 2935 SELECTED TOPICS IN FINANCE** (1-6)  
PR: CI. Topics to be selected by department chairs. May be repeated if topics vary. Not available for credit to upper level students who have been admitted to the College of Business Administration. May be repeated up to 6 credit hours.

- FIN 3233 MONEY AND BANKING** (3)  
PR: ECO 2013. Examines the structure and operations of our monetary system, commercial banking, central banking, money, and capital markets, and provides an introduction to monetary theory and policy.
- FIN 3403 PRINCIPLES OF FINANCE** (3)  
PR: ACG 2071 or CI and ECO 2023. Study of the processes, decisions structures, and institutional arrangements concerned with the use and acquisition of funds by a firm. Includes the management of the asset and liability structure of the firm under certain and risky situations. The financial decision process will include and recognize the international as well as domestic aspects of financial management.
- FIN 3604 INTERNATIONAL FINANCE** (3)  
PR: ECO 2013, 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)  
PR: FIN 3233 or CI. An analysis of the Federal Reserve System, with special emphasis on monetary theory and the formulation and administration of monetary policy.
- FIN 4303 FINANCIAL INSTITUTIONS AND MARKETS** (3)  
PR: FIN 3403. A study of financial institutions and their roles in helping to allocate savings in the economy. Also includes a description and analysis of securities issued and traded in money and capital markets.
- FIN 4324 BANK MANAGEMENT** (3)  
PR: FIN 3403 and FIN 3233. Application of traditional finance concepts to the management of commercial banks with emphasis on decision making and problem solving techniques to major problem areas in banking.
- FIN 4412 WORKING CAPITAL MANAGEMENT** (3)  
PR: FIN 3403. This course is designed to provide the student with an understanding of short-term financial management. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.
- FIN 4414 ADVANCED CORPORATION FINANCE** (3)  
PR: FIN 4504. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganization.
- FIN 4443 FINANCIAL POLICIES AND STRATEGIES** (3)  
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 4504 PRINCIPLES OF INVESTMENTS** (3)  
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)  
PR: FIN 4504. A comprehensive survey of security analysis and portfolio management. The course will utilize a quantitative approach to investment selection and management.
- FIN 4905 INDEPENDENT STUDY** (1-3)  
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to six credit hours. (SU only.)
- FIN 4915 INDEPENDENT RESEARCH** (1-3)  
PR: CI. Individual study contract with instructor and department chairperson. The research project will be mutually determined by the student and instructor. May be repeated up to six hours.
- FIN 4934 SELECTED TOPICS IN FINANCE** (1-3)  
PR: CI. Topics to be selected by instructor and department chairperson on pertinent Finance issues.
- REE 3043 REAL ESTATE DECISION MAKING** (3)  
PR: FIN 3403. Acquaints students with the range of knowledge required to engage in real estate decision making in the

United States. Integrates the institutional framework with which decisions are made, the elements of financial analysis, deal structuring, and marketing, and the pricing, financing and allocation of real property in the real estate markets.

- REE 4303 REAL ESTATE INVESTMENT ANALYSIS** (3)  
PR: FIN 4504. A comprehensive study of the determinants of the market and financial feasibility of the real estate investment decision. The development of market and site analyses, theories of urban development patterns, and the role of taxation will be studied along with the application of analytical techniques for decision making.
- RMI 3011 PRINCIPLES OF INSURANCE** (3)  
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)  
PR: QMB 3200, RMI 3011. The course will analyze the use of life, health, and disability insurance contracts as a method of dealing with the risks of death, sickness, and disability. It will include an analysis of cost determination of the various types of coverage.
- RMI 4210 PROPERTY INSURANCE** (3)  
PR: RMI 3011. Course dealing with recognition of personal and business property risks, and coverages which may be used in dealing with these risks. Considers the underwriting, marketing, and social problems associated with these coverages. Topics include commercial and residential fire insurance, inland marine and transportation coverages, and multiperil contracts. Not limited to Finance majors.
- RMI 4220 CASUALTY INSURANCE** (3)  
PR: RMI 3011. Course dealing with recognition of personal and business casualty risks and coverages which may be used in dealing with these risks. Considers the underwriting, marketing, and social problems associated with these coverages. Topics include workmen's compensation, public liability, auto liability, suretyship and crime insurances. Not limited to Finance majors.
- Information Systems and Decision Sciences**
- CGS 2100 COMPUTERS IN BUSINESS** (3)  
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.
- ISM 3011 MANAGEMENT INFORMATION SYSTEMS** (3)  
PR: CGS 2100; ACG 2021; ACG 2071 or equivalent. The study of information management, management information requirements and information systems in modern organizations. (May not be counted toward major requirements in MIS.)
- ISM 3113 SYSTEMS ANALYSIS AND DESIGN** (3)  
PR/CR: ISM 3230. Study of the techniques and procedures used in assessing information requirements, analyzing information flows and processing activities, and designing computer-based business systems.
- ISM 3230 INTRODUCTION TO BUSINESS APPLICATION DEVELOPMENT** (3)  
PR: CGS 2100 or equivalent, or CI. Introduction to problem-solving and business application development. Review of programming and programming languages. Basic programming concepts are presented in a modern programming language. Principles of programming style are emphasized. Projects cover business applications.
- ISM 3232 ADVANCED BUSINESS APPLICATION DEVELOPMENT** (3)  
PR: ISM 3230. Advanced presentation of business application development using a modern programming language. Advanced topics include data structures, indexing, file processing, and user interfaces. Good program design techniques are emphasized. Advanced business applications are developed. (May not be counted toward major requirements in MIS.)



- ISM 3431 MANAGEMENT SCIENCE PRODUCTION/OPERATIONS MANAGEMENT APPLICATIONS** (3)  
PR: MAC 2233. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.
- ISM 4212 DATABASE ADMINISTRATION** (3)  
PR: ISM 3113, ISM 3230. Principles of database design/management for mainframe, micro, and client/server environments; including data modeling, physical vs. logical representation and back-up and recovery management.
- ISM 4220 BUSINESS DATA COMMUNICATIONS** (3)  
PR: ISM 3113. Fundamentals of data communication, including network architectures, communication protocols, transmission standards and media access control methods.
- ISM 4233 INFORMATION SYSTEM INTERFACE DESIGN** (3)  
PR: ISM 3230. The fundamental concepts of human perception and cognition are studied in order to develop effective human-computer interfaces. Various types of interfaces are examined. Students will develop human-computer interfaces via state-of-the-art development languages and systems.
- ISM 4234 OBJECT-ORIENTED DESIGN AND DEVELOPMENT** (3)  
PR: ISM 3232. 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 use of the C++, VisualBasic, or other OO (object-oriented) programming languages.
- ISM 4240 DISTRIBUTED OPERATING SYSTEMS** (3)  
PR: ISM 3230. 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)  
PR: ISM 3113, ISM 4300. A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.
- ISM 4300 MANAGING INFORMATION SERVICES** (3)  
PR: MAN 3025, ISM 3113, ISM 4212 and ISM 4220. Current issues in information systems management focusing on organizational policies, procedures and standards for managing distributed computing resources.
- ISM 4320 INFORMATION SYSTEMS CONTROLS** (3)  
PR: MIS Major or CI. A study of information systems control and its application in system design and system management. Students who complete this course will not receive credit for ACG 4621.
- ISM 4400 DECISION SUPPORT SYSTEMS APPLICATIONS-COMPUTER ASSISTED DECISION MAKING** (3)  
PR: FIN 3403, QMB 3200, and ISM 3113. Methods and techniques for developing systems to support decision making in business organizations.
- ISM 4905 INDEPENDENT STUDY** (1-6)  
Independent study as directed by designated faculty. May be repeated up to 6 credit hours. (S/U only)
- ISM 4930 SELECTED TOPICS IN MIS** (1-3)  
Selected topics in MIS.
- ISM 4950 INDEPENDENT RESEARCH** (1-6)  
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.
- MAN 4504 OPERATIONS MANAGEMENT: A SYSTEMS APPROACH** (3)  
PR: ISM 3431 or equivalent. Studies the problems of "operations" in all types of enterprises in both the public and private sectors. Emphasis is placed on the application of various decision science methodologies to problem situations.
- MAN 4507 OPERATION PRODUCTION SYSTEMS** (3)  
PR: MAN 4504 or CI. Study of closed loop production planning and control systems. Master production planning,

inventory management, materials requirements planning, capacity, management, production activity. Relationship to organizational effectiveness.

- QMB 2100 BUSINESS AND ECONOMIC STATISTICS I -6A -QM** (3)  
PR: MAC 2233. Description of sample data; calculation of probabilities, frequency functions of random variables, the binomial and normal distributions; sampling theory and estimation; test of hypotheses; elements of Bayesian decision theory.
- QMB 3200 BUSINESS AND ECONOMIC STATISTICS II** (3)  
PR: MAC 2233, QMB 2100. Theory and use of statistical inference. Point and interval estimations; criteria for choosing estimators and decision rules; hypotheses tests; analysis of variance; correlation; multiple regression; and non-parametric methods.
- QMB 4600 QUANTITATIVE APPROACH FOR BUSINESS DECISIONS** (3)  
PR: ISM 3431. The use of systematic approaches and management science tools for decision making and problem solving in an organizational setting. Emphasis is on quantitative approaches for problem identification, analysis, choice and implementation.
- QMB 4703 SIMULATION AND MODELING TECHNIQUES** (3)  
PR: ISM 3431 or CI. A study of manual and computer simulation techniques and their application to problem solving in management (behavioral and quantitative). Knowledge of a computer language and the basic tools and techniques of management science is advised.

### Management

- MAN 3025 PRINCIPLES OF MANAGEMENT** (3)  
Study of the fundamentals of management. It treats topics in organizational theory, organizational behavior, and interpersonal relations which are relevant to effective management performance.
- MAN 3240 ORGANIZATIONAL BEHAVIOR ANALYSIS** (3)  
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)  
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)  
A 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)  
PR: MAN 3240 or equivalent. Development of direct understanding of personal, interpersonal, and intergroup factors present in organizational interaction. Stress is on a series of experiential exercises and written application of results within a laboratory setting.
- MAN 4129 THEORY AND PRACTICE OF MANAGEMENT SKILLS** (3)  
This course involves the transference of management theories into practice. It requires the active involvement of students in developing and practicing the skills needed to be a successful manager.
- MAN 4280 ORGANIZATIONAL DEVELOPMENT AND CHANGE** (3)  
PR: MAN 3240 or CI. A lab course where students experimentally apply behavioral science techniques in an "action-research" framework to the cycle of planned change so as to build a more effective organization.
- MAN 4282 ORGANIZATIONAL ASSESSMENT** (3)  
PR: MAN 3240. The analysis and measurement of factors which influence organizational effectiveness and the quality of work life. Data based cases will be used by students to assess managerial and supervisory skills and to measure organizational functioning and work design.

**MAN 4402 EMPLOYMENT LAWS**

(3)

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)

Case studies in contract negotiation, administration, grievance settlement, and arbitration. Assumes familiarity with industrial relations system.

**MAN 4802 ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT**

(3)

PR: ACC 2021, ACC 2071, MAR 3023, or CI. Study of the factors involved in starting and managing a small- to medium-sized business. Emphasis on conduct of pre-business feasibility study, start-up of business, successful management of the firm, and options for succession or termination.

**MAN 4804 SMALL BUSINESS MANAGEMENT COUNSELING**

(3)

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)

PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 8 credit hours. (S/U only.)

**MAN 4930 SELECTED TOPICS IN MANAGEMENT**

(1-3)

PR: CI. Topics to be selected by instructor and department chairperson for pertinent Management issues.

**MAN 4931 INDEPENDENT RESEARCH**

(1-4)

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 8 hours.

**Marketing****MAR 2931 SELECTED TOPICS IN MARKETING**

(1-4)

PR: CI. Topics to be selected by department chairman. May be repeated if topics vary. Not available for credit to upper-level students who have been admitted to the College of Business. May be repeated up to 8 credit hours.

**MAR 3023 BASIC MARKETING**

(3)

PR: ACG 2021, ECO 2013, ECO 2023, or CI. Survey of the marketing of goods and services within the economy. Attention is paid to the impact of marketing on other functional areas of business as well as society.

**MAR 3400 PROFESSIONAL SELLING**

(3)

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)

PR: QMB 3200, MAR 3023. A study of research methods and techniques applicable to problem solving in marketing. Attention is also given to defining information needs, determining the value of information, interpreting and reporting information for use in marketing decision making.

**MAR 3823 MARKETING MANAGEMENT**

(3)

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)

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 4203 CHANNELS MANAGEMENT**

(3)

PR: MAR 3023. A detailed study of marketing channels as a functional area of marketing management responsibility and as a part of marketing strategy. Attention is given to wholesaling and retailing and their structural, dynamic interrelationships including distribution logistics.

**MAR 4213 LOGISTICS AND PHYSICAL DISTRIBUTION MANAGEMENT**

(3)

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)

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)

PR: MAR 3023 or CI. A study of the role of promotion in the marketing program of the firm, including the promotional tools available to the marketing manager and the various types of decisions made in the promotional area. Decision making process in development of a promotional program is emphasized.

**MAR 4403 SALES MANAGEMENT**

(3)

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)

PR: MAR 3023. A study of the marketing of goods and services to the industrial and institutional sectors. Includes characteristics of the markets and channels of distribution, sales, management, research and promotional practices, marketing policies and strategies.

**MAR 4503 BUYER BEHAVIOR**

(3)

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 to marketing are emphasized.

**MAR 4824 MARKETING MANAGEMENT PROBLEMS**

(3)

PR: Senior Standing, MAR 3823, MAR 3613, and two other 4000 level marketing courses, or CI. The integration of marketing knowledge applied to decision roles in managing the total marketing effort of firms, and coordination with other major functional areas on specific problems.

**MAR 4903 INDEPENDENT RESEARCH**

(1-3)

PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 credit hours.

**MAR 4905 INDEPENDENT STUDY**

(1-3)

PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 6 credit hours. (S/U only.)

**MAR 4933 SELECTED TOPICS IN MARKETING**

(1-3)

PR: CI. Topics to be selected by instructor and department chairperson.



# COLLEGE OF EDUCATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). 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 and continue their professional development.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Professional practice is examined under controlled conditions, which make possible an objective appraisal of effects in terms of learning outcomes.

The University of South Florida follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent cooperative effort in planning and practice by faculties of all academic areas. Courses needed by teacher candidates but designed also for other students are offered outside the College of Education. Courses in the University which are primarily designed for teacher candidates are taught by the College of Education faculty.

In the total teacher education program there is a special concern for developing in the student a deep interest in intellectual inquiry and the ability to inspire this interest in others.

## BACCALAUREATE-LEVEL DEGREE PROGRAMS Admission to the College

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 minimum college requirements:

1. Completion of a College of Education application form.
  2. Completion of the General Education requirements.
  3. Completion of all portion of the CLAST with passing scores.
  4. Completion of the following prerequisites:
    - EDF 1005 Introduction to Education
    - EDG 2701 Teaching Diverse Populations
    - EME 2040 Introduction to Educational Technology
    - At least 9 of the 15 hours beyond the General Education requirements
  5. An overall minimum GPA of 2.5 on all attempted hours plus a minimum ACT score of 20 or SAT score of 950 (840 if taken before April 1, 1995) will be required for full admission to the College. An overall minimum GPA of 2.25 on all attempted work will be accepted for students with a 22 or higher ACT score or SAT score of 1030 (940 if taken before April 1, 1995).
- Admission to programs will be based upon the applicants' performance on either test. If the number of applicants exceed the capacity of a program, preference will be given to students with higher scores. Students who meet all other requirements but have not achieved minimum test scores or minimum GPA may be considered under Affirmative Action.*
6. Additional criteria are established by each program. (See Admission to Programs below.)

## Admission to Programs

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.

## Time Limitations

The College of Education will 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.

## Qualification for Internship Experience

The final internship experience is observing and teaching in early childhood, elementary, secondary, or exceptional schools. 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.

Special requirements for enrollment in the final internship and seminar courses are:

1. Admission to the College of Education at least one semester before internship.
  2. Completion of General Education, "Gordon Rule," foreign language requirements and all other program prerequisites.
  3. Completion of an application for the final internship by the deadlines noted below.
  4. Elementary, Early Childhood and Physical Education programs require completion of all professional education and specialization course work. Elementary and Early Childhood programs also require a combined grade point average of 2.5 in professional education and specialization course work as well as an overall GPA of 2.5. Secondary Education, Special Education and Vocational Education programs require completion of the professional course sequence except for measurement/special education/computers in education and a minimum of two thirds of the specialization coursework, plus a minimum GPA of 2.5 in each area or an overall GPA of 2.5.
- Students must earn a "C" grade or higher in their required major courses. "S/U" grades are not accepted.
5. Placement in a school approved by the College of Education and the Florida Department of Education.

Applications for internship may be obtained in the Office of Student Academic Services. Applications for Fall Semester are due the preceding January 30. Applications for Spring Semester are due the preceding June 30.

## Admission to Classes

The control of entry to all classes on all campuses will rest with the department chairperson. Students not in attendance at the first class meeting may be dropped from the course according to the procedures established by the University.

## College Requirements for Graduation

To be certified by the College of Education for graduation, a student must have earned 120 semester hours credit. A minimum overall USF grade-point average of 2.5 or a minimum GPA of 2.5 in teaching specialization courses and a minimum GPA of 2.5 in the Professional Education sequence is required. The Elementary and Early Childhood programs require a combined grade point average of 2.5 in professional education and specialization as well as an overall 2.5. Satisfactory completion of the internship is also required. Prior to completion of the internship, the student must pass both the subject area for the appropriate area and the Professional Education sections of the Florida State Teacher Certification Examination. A student must also have completed the major requirements in a

State-approved teacher education program (which include 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 in residence. The student must complete a minimum of 30 hours after admittance to an upper level program. Students pursuing their first bachelor's degree must have passed all parts of the CLAST examination, and have completed foreign language, general education, "Gordon Rule," the summer school attendance requirement, and University exit requirements.

Normally, the college will recommend the granting of a Bachelor of Science (BS) degree. To obtain a Bachelor of Arts (BA) degree, the student must meet the Foreign Language Competency (see graduation requirements in front of catalog).

### SunCoast Area Teacher Training Program (SCATT)

SCATT is an award-winning teacher training program founded on the premise that prospective teachers are the key to influencing the future of our society. The SCATT program offers two options for College of Education majors to enhance their education, Option 1: the existing SCATT Program and Option 2: the SCATT Course Sequence.

The existing Program is designed to provide pre-service teachers with challenging activities, workshops, and seminars to aid and encourage them to become highly qualified, dedicated educators. The wide variety of opportunities offered to SCATT members provides them with an enhanced view of education as a field of study and with experiences which extend "above and beyond" the requirements of the present academic program. SCATT also helps prospective employers identify pre-service teachers who have demonstrated high levels of academic achievement, ability, leadership and a commitment to the profession.

The SCATT Course Sequence includes: early field experiences in the schools with SCATT supervising teachers, intensive study in current teaching strategies, exposure to top role models in the field of education, and a support network created to increase options for maximum success. Students who are selected to participate in the SCATT Course Sequence automatically become members of the existing SCATT Program. To receive SCATT Course status, the entire three course sequence is required. To be selected for the SCATT Course Sequence, students must apply, meet SCATT Program eligibility requirements, have three semesters remaining prior to their final internship, and participate in an individual interview.

### Eligibility Requirements for SCATT

Students who have been admitted to the USF College of Education must have an interview/orientation before being admitted to the SCATT Program. This can be arranged by contacting the SCATT program at (813) 974-2061.

### Florida Department of Education Requirements for Teacher Certification

College of Education programs are reviewed by the Florida Department of Education. Those programs meeting the requirements of Chapter 6A-5, Rules of the State Board of Education of Florida, are given "Approved Program" status. These rules are subject to rapid changes and programs must change accordingly to maintain their "approved" status. Program requirements listed in this catalog are needed for graduation. To be eligible for a Florida Educator's Certificate, the student must complete all requirements listed on the applicable current program checklist, complete the "Professional Orientation Program" and pass all parts of the State Teacher Certification Examination.

### Programs Leading to the Baccalaureate Degree

The College of Education has programs leading to the Bachelor of Science degree\* in the following fields:

Program	Department	Code
Art Education	Secondary Education	(ARE)
Behavior Disorders	Special Education	(EBD)
Business and Office Education	Adult & Vocational Education	(BTE)
Early Childhood Education	Childhood/Language Arts/Reading	(EEC)
Elementary Education	Childhood/Language Arts/Reading	(EDE)
English Education	Secondary Education	(ENE)
Foreign Language	Secondary Education	
French		(FLF)
Spanish		(FLS)
German		(FLG)
Industrial-Technical Education/Technology Education	Adult & Vocational Education	(EVT)
Mathematics Education	Secondary Education	(MAE)
Mental Retardation Education	Special Education	(EMR)
Music Education	Music Education	
Instrumental		(MEI)
Vocal		(MEV)
General		(MEG)
Physical Education	Professional Physical Education	
K-8		(PTE)
6-12		(PTS)
Wellness Leadership		(PTW)
Science Education	Secondary Education	
Biology		(NSB)
Chemistry		(NSC)
Physics		(NSP)
Social Science Education	Secondary Education	(SSE)
Specific Learning Disabilities Education	Special Education	(SLD)

See Departmental Section for specific program requirements.

\*A Bachelor of Arts degree may be awarded when competency in a foreign language is demonstrated.

### Teacher Education Program

There are four distinct areas in the teacher education program, and all teacher candidates must meet certain minimum requirements in each. The five areas and their requirements are as follows:

#### 1. General Education Requirements (36 credit hours)

See the University General Education Requirements section of the catalog.

#### 2. Common Prerequisites (24 credit hours)

Common Prerequisites will apply to all transfer students beginning in Fall 1998.

EDF 1005 Introduction to Education	(3)
EDG 2701 Teaching Diverse Populations	(3)
EME 2040 Introduction to Educational Technology	(3)
Electives (may be specified by program)	(15)

#### 3. Professional Education Core (36-45 credit hours)

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

EDF 3122 Learning and the Developing Child (For Elementary or Early Childhood Majors)	(4)
or	
EDF 3214 Human Development and Learning (for all other programs)	(3)



EDF 3604 Social Foundations of Education	(3)
or	
EDF 3542 Philosophy of Education	(4)
EDG 4620 Curriculum and Instruction	(3)
EDF 4430 Measurement for Teachers	(3)
EEX 4070 Exceptional Student Ed	(2)
Methods Course(s)	(4-9)
Internship and Seminar	(10-12)
Reading Requirement	(2-3)

\*Students should see their advisors upon admittance to the College of Education for specific core requirements for their majors.

#### 4. Teaching Specialization Preparation (27-49 credit hours)

Course requirements in the area of teaching specialization vary according to field of specialization. These specialization requirements are listed with the programs that follow in the departmental section.

#### 5. Liberal Arts Exit Requirements (9 credit hours)

- Six hours from the list of approved courses dealing with Major Works and Major Issues.\*
- Three hours of Literature and Writing from the list of approved courses.\*

\* See advisor for approved courses.

Three of these nine hours may be taken S/U.

## DEPARTMENTS AND PROGRAMS

The College of Education is organized into 8 departments. Each department has one or more programs which are listed alphabetically in the following departmental section.

### Department of Adult & Vocational Education and Human Resource Development

The Adult & Vocational Education and Human Resource Development Department at USF offers degrees through the College of Education designed to prepare teachers and leaders in the various fields of Vocational-Technical and Adult Education and in the human resource development field. Certification programs leading to the Bachelor of Science (B.S.) degree are: Business and Office Education, Industrial-Technical Education, and Technology Education.

## ■ BUSINESS AND OFFICE EDUCATION

The Business and Office Education curriculum is designed to serve students who wish to focus on the needs of today's workplace, and combine teaching with business experience while achieving initial teaching certification for grades 6-12.

#### • Requirements for the B.S. Degree (BTE):

General Education and Professional Education requirements are listed under Teacher Education Program.

In Business Education, specific program competencies in the specialization must be demonstrated through satisfactory completion of BTE 4909.

#### Specialization Requirements (33 cr. hrs.):

Accounting (2 courses)	Information Processing/
Economics (2 courses)	Word Processing
Bus Com./ENC 3210 or 3213	Principles of Management
Business Law	

Electives (3 hours approved by advisor)

General Office/Administrative competencies met through successful completion of BTE 4909.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

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.

ACG X001 Financial and Managerial Accounting I

ACG X011 Financial and Managerial Accounting II

ECO X013 Economic Principles (Macroeconomics)

ECO X023 Economic Principles (Microeconomics)

XXX XXXX Electives in Business Administration,

3 semester hours

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

#### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

## ■ INDUSTRIAL-TECHNICAL EDUCATION

#### • Requirements for the B.S. Degree (EVT):

General Education and Professional Education requirements are listed under Teacher Education Program.

#### INDUSTRIAL-TECHNICAL EDUCATION TRACK:

Enrollment in the Industrial-Technical Education program is restricted to persons with employment experiences qualifying them to teach Industrial, Technical, Health Occupations, or Public Service.

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 in Science degree program in a technological specialty or successfully completing an appropriate occupational competency exam.

Acceptability of work experience will be determined by the program advisor.

Students may validate up to 30 semester hours of credit through the Occupational Competency Testing Program, or appropriate licensure or certificate.

**Required: 38 semester hours.**

EVT 4065	EVT 4165	*EIV 4210	EVT 4562
ADE 4384	EVT 4367	EVT 4365	EIV 4360
EVT 4946	EVT 4084		

\*Another course may be substituted with advisor's approval.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the **prerequisite courses** listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

An additional 15 semester hours should be completed in a Vocational Specialty Area. At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

**ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY**

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

**TECHNOLOGY EDUCATION TRACK:**

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, the Professional Education Core Requirements of 40-41 semester hours, the Technical Course Requirements of 30 semester hours, and 23 semester hours in Adult and Vocational Education. The requirements in Adult and Vocational Education are as follows:

**Required: 23 semester hours including:**

EVT 4065	EIV 4210	EVT 4165	EIA 3192
EIA 4360	EVT 4365		

Plus electives selected with advisor approval.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the **prerequisite courses** listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

An additional 15 semester hours should be completed in a Technological Area of Specialization. At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

**ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY**

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

**Department of Childhood/Language Arts/Reading Education**

The Childhood Education/Language Arts/Reading Education Department has the responsibility for the development and supervision of programs leading to the Bachelor of Science Degree in Early Childhood Education and Elementary Education.

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

Admission is limited to fall and spring semesters.



**Early Childhood Program**

Student may complete a (pilot) 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 to apply for certification in Pre-Kindergarten/Primary (age 3 - Grade 3). Please contact the Department of Childhood/Language Arts/Reading Education for sequence and course listing.

**Elementary Education Program**

Students may complete a state-approved program to be eligible for certification in Elementary Education (Grades 1-6). Degree and certification requirements are subject to change. The current program of studies includes both coursework and extensive field experience in elementary school settings to enable students to integrate theory with teaching practice.

Early Childhood and Elementary majors will be assigned to a specified sequence of courses to be followed throughout the program enrollment. All internships and field experiences must be successfully completed as a member of an internship team under the supervision of a faculty team leader. Students who withdraw from or who have unsatisfactory grades in the field experiences or internships must petition the department Professional Standards Committee before they will be allowed to repeat the internships.

Students must have an overall USF GPA of 2.5 and a GPA of 2.5 in the combined Professional Core and teaching Specialization prior to final internship and graduation.

Elementary part-time students (students planning to take 9 hours or less per semester) must participate in a modified program schedule and plan to meet internship requirements associated with the programs. These requirements include being available to participate in the internships during regular school hours.

**■ ELEMENTARY EDUCATION****• Requirements for the B.S. Degree (EDE):**

General Education and Professional Education requirements are listed under Teacher Education Program.

The Elementary program also includes the following methods course in the Professional Education requirements:

EDE 4301

The major consists of 32 semester hours of elementary specialization courses as follows:

ARE 4313	LAE 4414*	MUE 4210	RED 4310
HLP 4722	MAE 4310	SCE 4310	RED 4511
LAE 4314	MAE 4326	SSE 4313	

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.

\*approved Liberal Arts Exit Requirement

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the **prerequisite courses** listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

Students should also complete 15 hours beyond those taken to meet General Education Requirements from the following liberal arts and sciences areas: a) fine arts or humanities; b) political sciences, sociology, economics, cultural geography, or speech; c) mathematics; d) natural sciences; and/or e) psychology. Among these 15 hours must be included one course in mathematics, and combined with the General Education Requirements, two courses in the natural sciences, one of which must include a laboratory component.

**ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY**

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

American History and American National Government are recommended.

**■ EARLY CHILDHOOD EDUCATION: Pre-Kindergarten/Primary****• Requirements for the B.S. Degree (EEC):**

General Education Requirements are listed under Teacher Education Program.

The Pre-Kindergarten/Primary program consists of 32 semester hours in professional education and 30 semester hours in early childhood specialization courses as follows:

Professional Education (32):

EDF 4111	EEC 4936	EEC 4940	EEC 4941
EEC 4942	EEC 4943	EEX 4200	EEX 4230
EME 4402			

Specialization (30):

EEC 4008*	EEC 4203	EEC 4211	EEC 4212
EEC 4300	EEC 4303	EEC 4401	EEC 4706
PET 4088	RED 4310		

\*approved Liberal Arts Exit Requirement

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the **prerequisite courses** listed below prior to be 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.

EDF 1005 Introduction to Education  
 EDG 2701 Teaching Diverse Populations  
 EME 2040 Introduction to Educational Technology  
 (Equivalent course or demonstrated competency may be substituted)

### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

### Department of Secondary Education

General Education and Professional Education requirements are listed under Teacher Education Program.

The following programs are housed in the Department of Secondary Education:

Art Education  
 English Education  
 Foreign Language Education  
 Mathematics Education  
 Science Education  
 Social Science Education

The undergraduate programs are designed to prepare students to meet Florida teacher certification requirements and to become highly competent secondary teachers. Specialized courses in the teaching of mathematics, science, and social science are also offered for students majoring in elementary, early childhood, and special education.

Internship Program. The Department of Secondary Education internship is offered in the fall and spring terms.

### ■ ART EDUCATION (ARE)

#### • Requirements for the B.S. Degree

The Art Education curriculum is designed to serve students who wish to develop their artistic competence and have a commitment to help develop a similar artistic potential in other people.

Art Education majors may specialize in one area of the Art Department or become generalists by taking various studio classes.

For other degree requirements not listed below, the University's General Education and graduation requirements.

In addition to the general distribution and professional education requirements, the following courses constitute a program of study:

*Art Education (15 credit hours)*

ARE 3044 ARE 4443  
 ARE 3354 ARE 4440 ARE 4642

In these courses students will have the opportunity to work at the elementary school and high school levels.

*Specialization (36 cr. hours)*

ART 2400C ART 2510C ART 2701C  
 ART 3110C ART 4402C ARH 4450  
 Art Studio Electives approved by adviser  
 Art History Elective

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Courses that transfer: art history, art studio - evaluated by College of Fine Arts by portfolio only.

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.

EDF 1005 Introduction to Education  
 EDG 2701 Teaching Diverse Populations  
 EME 2040 Introduction to Educational Technology  
 (Equivalent course or demonstrated competency may be substituted)

If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

ART 1300/1301 Drawing I and Drawing II  
 ART X205/X206 Color Fundamentals, 6 semester hours  
 ARH 2050/2051 Art History Survey I  
 and Art History Survey II

Plus two of the following courses:

ART X510 Painting  
 ART X400 Printmaking  
 ART X100 Crafts

At least one course taken to meet the natural science requirements in General Education must include a laboratory.

### ■ ENGLISH EDUCATION (ENE):

General Education and Professional Education requirements are listed under Teacher Education Program.

#### 1. ENGLISH:

A minimum of 39 semester hours, including:  
 CRW 2100, ENC 3310, LAE 4464, and LIT 3100

*One of the following:*

EDG 4320 or MMC 3602

*One of the following:*

ENG 3105 or LIT 3073

*One of the following:*

ENL 3331 or ENL 3332

*One of the following:*

LIN 4671 or LIN 4680

*One of the following:*

ORI 2000 or SPC 2023

*One of the following:*

ENL 3015, ENL 3230, ENL 3250, or ENL 3273

*One of the following:*

LIN 3010, LIN 3801, or ENG 4060/5067

*Two of the following:*

AML 3031, AML 3032, or AML 3051

#### 2. ENGLISH EDUCATION:

Nine semester hours in methods of teaching English at the middle and secondary levels: LAE 4325, LAE 4530, and LAE 4642 (PR: LAE 4464). LAE 4530 must be taken concurrently with LAE 4642 (PR: LAE 4464), the fall or spring immediately preceding internship. LAE 4325 should be taken the semester prior to enrolling in LAE 4530. Methods courses are available in Fall and Spring Semesters, only.

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.



If students transfer without an A.A. degree and have 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.

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

SPC X600 Public Speaking

Literature Course, 3 semester hours

Students should also complete 9 semester hours in lower level English electives. These prerequisite courses, however, are not required for admission to the upper-level major. If these courses are not taken at the community college, they must be completed before the degree is granted.

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

#### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

#### ■ FOREIGN LANGUAGE EDUCATION:

General Education and Professional Education requirements are listed under Teacher Education Program. A minimum of 30 credit hours beyond intermediate course requirements must be earned in the foreign language. Programs are available for Spanish (FLS), French (FLF) and German (FLG).

##### 1. Foreign language (30 credit hours)

grammar, conversation, composition	12
literature	6
culture and civilization	6
linguistics	3
language elective	3

##### 2. Foreign Language Education

9 credit hours in methods of teaching a language at the elementary and secondary levels, including a practicum.

Fall Term: FLE 4314 (elementary)

Spring Term: FLE 4333 (secondary) and  
FLE 4370 (practicum)

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

In addition, fifteen semester hours must come from the following areas: courses in elementary and intermediate grammar, composition and advanced conversation; culture and civilization in the target language.

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

#### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

#### ■ MATHEMATICS EDUCATION (MAE):

General Education and Professional Education requirements are listed under Teacher Education Program.

##### 1. Mathematics:

38 semester hours in mathematics above the 2000 level.

Required courses are:

MAC 2311	MAD 3100	MHF 4403
MAC 2312	MAS 3103	MTG 4212
MAC 2313	MAS 4301	STA 2023
MGF 3301	MAS 4214	

##### 2. Mathematics Education:

Eleven hours in teaching mathematics at the secondary level.

Required courses are:

MAE 4320	MAE 4551	MAE 4330
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Two courses in teaching math with technology (see program advisor).

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

Calculus and Analytic Geometry I, 4 semester hours

Calculus and Analytic Geometry II, 4 semester hours

Computer Programming Language (Microcomputer-based Fortran, Pascal, C or C++), 3 semester hours

Mathematics Elective, 4 semester hours

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

## ■ SCIENCE EDUCATION (NSB, NSC, NSP):

General Education and Professional Education requirements are listed under Teacher Education Program. In addition to the College requirements, the minimum requirement for acceptance into a program is the completion of 22 semester hours of required science courses.

### Course Requirements:

#### 1. SCIENCE:

A minimum of 32 semester hours in the discipline of major concentration (Biology, Chemistry, or Physics) and a minimum of 16 semester hours within the natural sciences outside the concentration area.

#### 2. SCIENCE EDUCATION:

As a minimum, satisfactory completion of the following courses: SCE 4305, SCE 4320 and SCE 4330 and one choice from among science/technology/society interaction, history of science, or scientific method. These courses deal with philosophy of science, communication skills and the teaching of science at the middle grades and secondary school levels. In addition, a Physics major will need a three credit hour course in computer applications in physics.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

Biology Teacher Education:

Biology with Lab, 8 semester hours

Chemistry with Lab, 8 semester hours or Physics with Lab, 8 semester hours

Science electives, 6 semester hours

Chemistry Teacher Education:

Chemistry with Lab, 8 semester hours

Biology with Lab, 8 semester hours or Physics with Lab, 8 semester hours

Physics Teacher Education:

Physics with Lab, 8 semester hours

Biology with Lab, 8 semester hours or Chemistry with Lab, 8 semester hours

### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

## ■ SOCIAL SCIENCE EDUCATION (SSE):

General Education and Professional Education requirements are listed under Teacher Education Program.

### Course Requirements:

#### 1. SOCIAL SCIENCE:

A minimum of 40 semester hours, including:

ECO 2023	GEO 3402	EUH 2030
ECO 2013	AMH 2010	EUH 2031
GEO 3013	AMH 2020	POS 2041

One of the following:

AFH 3100 or LAH 3200

One of the following:

POS 2112	POS 4165
POS 3142	INR 3002

One of the following:

SYG 3010	SYO 3500	SYP 5405
SYP 3000	SYD 4410	

#### 2. SOCIAL SCIENCE EDUCATION:

Eight semester hours in methods of teaching and communication skills in Social Studies: SSE 4333\*, SSE 4334, and SSE 4640.

\*must be completed prior to SSE 4334 and SSE 4640.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.



Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education  
EDG 2701 Teaching Diverse Populations  
EME 2040 Introduction to Educational Technology  
(Equivalent course or demonstrated competency may be substituted)

American Government, 3 semester hours

Economics, 3 semester hours

History, 3 semester hours

Students should also complete an additional 3 semester hour course in Anthropology, Cultural Geography, Psychology, or Sociology 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.

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

### Department of Educational Measurement and Research

The Department of Educational Measurement and Research teaches 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.

### School of Music

#### ■ MUSIC EDUCATION (MUE):

##### • Requirements for the B.S. Degree (MUE):

The music education curriculum is designed to serve students who wish to develop a high level of musical expertise and have a commitment to help develop similar musical potential in other people.

All students seeking a degree in music education are required to pass an audition in their respective performance area and to take a music theory placement test prior to registering for any music theory class. Students may obtain the dates for these examinations from the music office.

Special requirements for all music education majors; successful completion of the piano proficiency requirements as defined by the music and music education faculties; participation in a major performing ensemble each semester the student is enrolled in applied music; and the presentation of a one-half hour recital in the major performing medium during the last semester of enrollment in applied music.

Students are to present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty).

For other degree requirements see College of Education requirements and the University's General Education and graduation requirements.

Note exceptions applicable to this program.

#### Music Education courses (32-34 hours)

MUE 2090 (3)	MUE 3421 (1)	MUE 3422 (1)
MUE 3423 (1)	MUE 4311 (3)	MUE 4330 (3)
MUE 4331 (3)	MUE 4332 (3)	MUE 4936 (3)
MUE 4960 (9)		

MUE 3450 (1)\* and/or (depending on professional focus)  
MUE 3451 (1)

MUE 3460 (1)\*\* and/or (depending on professional focus)  
MUE 3461 (1)

\* Not required of woodwind majors  
\*\* Not required of brass majors

#### Music courses (30+ hours)

MUL 2111 (3)*	MUG 3101 (2)	MUH 2051 (3)**
MUH 3301 (3)***	MUH 3302 (3)***	MUT 1111 (3)
MUT 1112 (3)	MUT 1241 (1)	MUT 1242 (1)
MUT 2116 (3)	MUT 2117 (3)	MUT 2246 (1)
MUT 2247 (1)		

\* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

\*\* This course also satisfies 3 hours of ALAMEA Perspectives in the Liberal Arts Curriculum.

\*\*\* Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

*Applied Music (Principal)* 12 cr. hrs. with a minimum of 4 hours at the 3000 level and concurrent registration in MUS 2010.

*Music electives* (3-5 hours)

*Applied Music Secondary Techniques* (2-3 hours)

MVP 1211, MVS 1211. One hour of choral ensemble is required for all non-voice majors.

*Major performing ensembles* (6 hours)

Minimum of one per semester of applied music

*Graduating recital*

*Piano proficiency requirement*

*Fine Arts Elective* (3 hours)

Music Education majors must take 3 hours in the Art, Dance, or Theatre departments. Students should make certain that this 3-hour course is certified in the Fine Arts Perspectives of the Liberal Arts Curriculum in order to graduate within statutory limits/guidelines.

#### • Requirements for a Minor in Music (19-23 semester hour minimum)

Students seeking a minor in music may choose from three concentrations: (1) History-Theory-Literature, (2) Applied Medium and (3) Composition. Each of the concentrations will include the same core curriculum consisting of 11 hours.

1. **Core Curriculum:** 11 hours

Music Theory (8)

Introduction to Music Literature (3)

or

Music History (3)

2. **Optional Concentrations:**

a. History-Theory-Literature 9-10 hours

Music History and/or Theory and/or Literature (7-8)

Music Ensemble (2)

b. Applied Music (Principal) 8-12 hours

Performance Studio courses which may include

up to 2 semester hours of class-studio (6-8)

Music Ensembles (2-4)

MUS 2010 Recital Attendance concurrent with applied music (principal) registration.

Faculty jury recommendations for sophomore-level studio study (minimum)

c. Composition 9 hours

Introduction to Electronic Music (2)

Composition Studio courses which may include

one course of orchestration (6)

Music Ensemble (1)

3. **Admission** to all 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.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency audition but credit hours are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

EDF 1005 Introduction to Education  
EDG 2701 Teaching Diverse Populations  
EME 2040 Introduction to Educational Technology  
(Equivalent course or demonstrated competency may be substituted).

MUT 1111 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 1112 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 2116 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 2117 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 1241 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 1242 Music Theory  
or MUT 1121, 1122, 2126, or 2127

MUT 1241 Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 1242 Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 2246 Advanced Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 2247 Advanced Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MXV 1X1X Secondary Applied Music Courses,  
2-4 semester hours

MXV 2X2X Secondary Applied Music Courses,  
2-4 semester hours

MUN XXXX Chamber Music Ensemble,  
4 semester hours

Secondary Piano Proficiency by Examination  
or MVK 1111, 1112, and 2122  
or MVK 1111r, 1112r, 2121r, and 2121r  
or MVK 1211 and 2221

**ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY**

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

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

Introduction/General Psychology and Sociology are recommended.

Music students must be accepted by audition in their performance area by the School of Music. A music theory placement examination will be administered prior to initial registration in the music theory course sequence.

**School of Physical Education**

The School of Physical Education, Wellness, and Sports Studies teaches a variety of Elective Physical Education courses and conducts Professional Physical Education Teacher Preparation K-8 and 6-12 Programs and a Wellness Leadership Program.

**■ ELECTIVE PHYSICAL EDUCATION PROGRAM**

Elective Physical Education offerings in the College of Education are designed to provide opportunities for all students in the university to acquire knowledge and movement skills related to an active healthy lifestyle. Laboratory experiences in over twenty-five different exercise and sports activities allow students to select and develop proficiency appropriate for leisure pursuit and personal development. Special competency courses provide for in-depth study in such areas as personal wellness, current issues in sports, and first aid.

**■ PROFESSIONAL PHYSICAL EDUCATION PROGRAM**

(Under Revision)

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); or c) Wellness Leadership (Non-certification).

• **Requirements for the B.S. Degree (PTE/PTS/PTW)**

The two-year program is offered beginning in the junior year and includes mandatory attendance during the summer session between the junior and senior years.

In order to be admitted to the Program, all students must participate in a selective admissions procedure. Enrollment in the Program is limited and students can only enter during Fall Semester of each year.

In addition to applying to the University, all students must apply directly to the Department before May 1 for priority admission consideration. Students applying after May 1, and before the final deadline of June 1, will be accepted only on a space-available basis. Requests for admission to the Program should be directed to:

Director  
School of Physical Education,  
Wellness, and Sport Studies  
College of Education  
University of South Florida  
4202 E. Fowler, PED 214  
Tampa, Florida 33620-8600



**Course Requirements:****1. PROGRAM PREREQUISITES FOR ALL TRACKS:**

BSC 3092 Human Anatomy & Physiology  
HSC 2400 First Aid

**2. CORE COURSES FOR ALL TRACKS:**

PET 3010 Personal/Professional Development Seminar  
PET 3310 Kinesiology  
PET 3351 Exercise Physiology I

**3. ADDITIONAL REQUIRED COURSES FOR K-8 TRACK: (PTE)**

EDF 3122 Learning & The Developing Child  
EDF 4430 Measurement for Teachers  
EDF 3604 Social Foundations of Education  
EME 4402 Introduction To Computers In Education  
PET 3031 Motor Development & Assessment  
PET 3421 Curriculum and Instruction in Physical Education  
PET 3422 Instructional Design & Content: Movement Experiences  
PET 3441 Instructional Design & Content: Middle School Physical Education  
PET 3640 Adapted Physical Education  
PET 3799 Career Decision Making & Professional Ethics  
PET 3943 Physical Education Internship: Middle School  
PET 4401 Organization and Administration of Physical Education Programs  
PET 4432 Instructional Design & Content: Physical Education Elementary  
PET 4433 Instructional Design & Content: Physical Education Elementary II  
PET 4934 Senior Seminar in Elementary Physical Education  
PET 4942 Physical Education Internship: Elementary  
PET 4946 Associate Teaching Physical Education: Elementary

**4. ADDITIONAL REQUIRED COURSES FOR 6-12 TRACK: (PTS)**

EDF 3604 Social Foundations of Education  
EDF 4430 Measurement for Teachers  
EDF 4131 Learning and the Developing Adolescent  
PET 3031 Motor Development & Assessment  
PET 3421 Curriculum and Instruction in Physical Education  
PET 3422 Instructional Design & Content: Movement Experiences  
PET 3441 Instructional Design & Content: Middle School Physical Education  
PET 3640 Adapted Physical Education  
PET 3799 Career Decision Making & Professional Ethics  
PET 3943 Physical Education Internship: Middle School  
PET 4304 Principles & Issues in Coaching  
PET 4401 Organization & Administration of Physical Education Programs  
PET 4442 Instructional Design & Content: Physical Education Secondary  
PET 4443 Instruction Design & Content: Physical Education Secondary II  
PET 4933 Senior Seminar in Secondary Physical Education  
PET 4944 Physical Education Internship: Secondary  
PET 4947 Associate Teaching Physical Education: Secondary

**5. ADDITIONAL COURSES REQUIRED FOR WELLNESS LEADERSHIP TRACK: (PTW)**

ADE 4384 Working with the Adult Learner  
GEY 3601 Behavior Change in Later Life  
HUN 3201 Nutrition  
PEP 3940 Practicum in Health Promotion/Wellness  
PEP 4941 Wellness Internship  
PET 3951 Communications Skill for Wellness Leaders  
PEQ 3170 Aquatic Exercise  
PET 3080 Survey of Wellness Programs  
PET 4404 Organization & Administration of Wellness Programs

PET 4353 Exercise Physiology II

PET 4384 Health Fitness Appraisal & Exercise Prescription

in addition to the above courses, students in Wellness Leadership must also take PEM 2131 Weight Training (for majors only) and PET 3931 Teaching Aerobic Dance/Exercise. These courses must be taken after acceptance into the Wellness Leadership Program.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Students must complete the **prerequisite courses** listed below prior to be 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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

The following courses are recommended to be completed before entering the programs:

Anatomy & Physiology with Lab 3-4 semester hours

Care & Prevention of Athletic Injuries 3-4 semester hours  
or Anatomy & Physiology II with lab

Skill Development courses in

Physical Activities

4-5 semester hours

Conditioning, Fitness & Wellness courses  
in physical activities

**ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY**

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

Introduction/General Psychology and Sociology are recommended.

**Department of Psychological and Social Foundations of Education**

The Department of Psychological and Social Foundations of Education provides courses for all students majoring in the wide array of undergraduate programs available in the College of Education. These courses contribute to the students' understanding of the general education enterprises and are considered foundational to later professional specialization.

EDF 3122 EDF 3604 EDF 4909 IDS 3115

EDF 3214 EDF 3810 EDF 5136

EDF 3228 EDF 4131 EDF 5285

EDF 3542 EDF 4905 EDF 5672

The Counselor Education program offers undergraduate courses focusing on human services skill development, decision-making and personal growth. Course content contributes

to student success in academic and personal endeavors and may serve to orient students to post-graduate work in human services fields.

MHS 4001      MHS 4905      SDS 4040  
SDS 4480      SLS 1101      SLS 2401

### Department of Special Education

The Department of Special Education prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a State-approved program that leads to certification in one of the three areas.

Students are required to meet University and College of Education entrance requirements prior to enrollment in the Department. Upon admission, students affiliate with the campus on which they wish to take their program of studies. Students may not register for courses on other campuses without permission. On the Tampa Campus, students are assigned to teams. All courses are taken with the assigned team. Since no teams start in the summer, there are no summer admissions. The program sequence includes at least two semesters of part-time field experience and one semester of full-day internship. All part-time field experiences must be successfully completed as a member of a team concurrently enrolled in a specified course in designated local schools under the supervision of a faculty member. Field experiences begin during the first semester of a student's enrollment with increasing involvement throughout the program. Students are responsible for providing transportation to their experience sites.

In some instances students may pursue a part-time program (9 hours or less a semester). This requires that students be available to participate in field experiences and concurrent classes during regular school hours.

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

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

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

EED 4011	EEX 4221	EEX 4604
EED 4941	EEX 4243	MAE 4310
EEX 2010	EEX 4015	EEX 4846
RED 4310	LAE 4314	RED 4511

#### Mental Retardation (MR Certification)

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

EEX 2010	EEX 4015	EEX 4243
EMR 4941	EEX 4221	EEX 4604
MAE 4310	EEX 4846	EMR 4011
RED 4310	LAE 4314	RED 4511

#### Specific Learning Disabilities (LD Certification)

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

EEX 2010	EEX 4015	EEX 4243
ELD 4941	EEX 4221	EEX 4604
MAE 4310	EEX 4846	ELD 4011
RED 4310	LAE 4314	RED 4511

#### • Program of Study at the Community College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

Students must complete the prerequisite courses listed below prior to be 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.

EDF 1005 Introduction to Education  
EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology  
(Equivalent course or demonstrated competency may be substituted)

Students should also complete 15 hour beyond those taken to meet General Education Requirements from the following liberal arts and sciences areas: a) fine arts or humanities; b) political sciences, sociology, economics, cultural geography, or speech; c) mathematics; d) natural sciences; and/or e) psychology. Among these 15 hours must be included one course in mathematics, and combined with the General Education Requirements, two courses in the natural sciences, one of which must include a laboratory component.

#### ADMISSION REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

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

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

Introduction/General Psychology and Sociology are recommended.

Majors are required to complete a concentration of 15 semester hours in one of five subject areas: English, Mathematics, Science, Social Sciences, or Foreign Language. Suggested courses are:

ENGLISH: Freshman English, Introduction to Speech, and 6 hours of literature, or

MATHEMATICS: General Education or higher . . . one STA prefix allowed, or

SCIENCE: Biology, Physics or Chemistry, and Earth Science (i.e., Astronomy, Geology), or

SOCIAL SCIENCE: American History I and II, Introduction of Sociology, American National Government, Geography, and General Psychology, or

FOREIGN LANGUAGE: Any 15 hours of a single foreign language.

### 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 two to twelve years of age. Members are located throughout the United States.

The USF chapter works directly with children through observation, projects, and programs. In addition, it provides opportunity 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 two to twelve years old.



**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 the exceptional child. Various exceptionalities included are Gifted, Emotionally Disturbed, Physically Handicapped, Mentally Retarded, Specific Learning Disabilities, and Culturally Different.

Activities of the USF Chapter include field trips to various special educational facilities, prominent speakers, seminars, state and national conventions, and social events. The specific activities are determined by the members and the exceptionalities in which they are interested. All interested students are invited to join.

**County Music Educators National Conference**

Student Music Educators Conference is an affiliate of the Music Educators National Conference and the Florida Music Educators Association. It is devoted to the furtherance of knowledge and understanding of music education on all levels. Membership is open to any student in USF who is interested in the teaching of music.

**National Education Association Student Program**

The National Education Association student program is designed to provide professional growth opportunities, leadership training and membership benefits that are available to other members of the National Education Association, including \$1 million liability insurance coverage while engaged in student teaching internship. Membership is open to all students.

**Kappa Delta Pi**

Kappa Delta Pi is an international co-educational honor society in Education. The society was founded to recognize and encourage excellence in scholarship, high personal standards, improvement in teacher preparation, and distinction in achievement.

**Physical Education and Wellness Association (PEWA)**

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 to promote interaction within the organization.

**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**

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 which are 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 and Vocational Education**

*Chairperson:* W. E. Blank; *Professors:* W. E. Blank, W. B. James; *Associate Professors:* R. Hill, J. Scaglione, K. Smith; *Assistant Professor:* D. Gardner; *Visiting Instructors:* J. Grisham, W. Helton, G. Kilpatrick; *Other Faculty:* T. Conrad, M. Paul.

**Childhood/Language Arts/Reading Education**

*Chairperson:* S. Graves; *Professors:* B. K. Clarke, S. Graves, S. Helton, S. Homan, J. King, J. Klesius, R. Linder, J. McCarthy, R. Johnson, M. Mann, E. F. Searls (*Professor Emeritus*); *Associate Professors:* N. Anderson, G. R. Barkholz, M. A. Barksdale-Ladd, F. W. Freshour, F. S. Goforth, P. Griffith, P. Hanley, K. Laframboise, J. Linder, J. T. Polito, C. Spillman, J. Swarzman; *Assistant Professors:* L. Boothby, R. Brindley, P. Fleege, J. Fountain, B. Frye, B. Hefflin, M. Hewitt, M. Micklo, C. Olliff, K. Oropallo, N. Ratcliff, J. Schneider, R. Short, J. Vander Wilt, M. Wynn; *Instructor:* M. Daddona, C. Schwartz; *Visiting Associate Professor:* A. Hall; *Visiting Assistant Professor:* B. Morris, P. Zielonka.

**Educational Leadership**

*Chairperson:* D. E. Orlosky; *Professors:* W. F. Benjamin, J. C. Bondi, P. E. McLendon, D. E. Orlosky, D. D. Peterson, D. M. Purdom, A. Shapiro, K. Snyder, L. Tuttle, M. G. Villeme, J. Wiles; *Associate Professors:* T. W. Keene, W. R. Sullins; *Visiting Assistant Professor:* E. Glickman.

**Educational Measurement and Research**

*Chairperson:* B. W. Hall; *Professors:* L. M. Carey, B. W. Hall, C. V. Hines, W. G. Katzenmeyer, D. E. Stone; *Associate Professors:* R. F. Dedrick, G. Hutchcraft, J. D. Kromrey; *Assistant Professors:* M. Banerji, S. Lang, S. Maller.

**Music Education**

*Director:* C. P. Doane; *Professor Emeritus:* V. A. Bridges; *Professors:* C. P. Doane, J. J. Heller; *Associate Professors:* J. L. S. Moore, J. W. Richmond.

**Physical Education**

*Director:* L. E. Bowers; *Professors:* L. E. Bowers, R. Heesch, H. A. Hoffman, S. E. Klesius, C. D. Smith; *Professor Emeritus:* M. E. Crickenberger; *Associate Professors:* C. D. Ashley, B. L. Beasley, P. J. Ellery, F. N. Faucette, R. Grindey, W. D. Hall, A. Jonaitis, J. W. Rauschenbach, H. Weinberg, J. F. Young; *Associate Professor Emeritus:* J. E. Young; *Coordinator and Instructor:* W. T. Price.

**Psychological and Social Foundations**

*Chairperson:* M. J. Curtis; *Professors:* E. C. Anderson, J. Barnard, K. M. Borman, D. E. Bostow, W. W. Burley, M. J. Curtis, J. C. Dickinson, J. C. Follman, O. G. Geiger, E. V. Johannimgmeier, E. B. Kimmel, H. M. Knoff, D. L. Lantz, E. E. Panther, S. H. Silverman; *Professors Emeritus:* R. J. Drapela, C. Weingartner; *Associate Professors:* D. J. Anderson, G. M. Batsche, W. T. Bridges, C. Campbell, D. L. Carroll, T. Evans, H. M. Knoff, R. Mumme; *Assistant Professors:* D. J. Anderson, K. Powell-Smith, T. Richardson, S. Stollar, S. Street; *Courtesy, Adjunct, Joint Appointment:* H. B. Clark, T. F. Stokes.

**Secondary Education**

*Chairperson:* H. E. Steiner; *Professors:* J. A. Duplass, J. H. Johnston, H. G. Karl, J. B. Kase-Polisini, B. K. Lichtenberg (*emeritus*), D. R. Lichtenberg (*emeritus*), D. J. Puglisi, B. S. Spector, H. E. Steiner, A. M. Troutman; *Associate Professors:* R. A. Austin, A. E. Barron, F. D. Breit, P. V. Czyzewski, C. M. Feyten, J. F. Kaywell, B. J. Kazanis, F. L. Prince, S. L. Schurr, J. A. White, D. L. Zeidler; *Assistant Professors:* M. F. Chappell, B. C. Cruz, P. L. Daniel, R. A. Fuller, J. N. Golub, J. W. Nutta, D. R. Thompson; *Coordinator, Alternate Teacher Preparation Program:* M. Drake.

**Special Education**

*Chairperson:* J. Paul; *Professors:* M. Churton, B. Epanchin, E. Guetzloe, C. D. Lavelly, R. Marfo, A. J. Mauser, J. Paul, S. P. Singh; *Associate Professors:* A. Cranston-Gingras, D. Harris, H. Roselli, K. Stoddard, H. A. Sproles, D. Thomas, B. Townsend; *Assistant Professors:* M. S. Greene, L. Houck, B. Loeding, L. Smith; *Jointly Appointed Faculty:* N. Berger, J. Blackman, L. Bowers, A. Boyd, R. Clark, A. Duchnowski, G. Dunlap, R. Friedman, M. Hernandez, S. Klesius, S. Silver, T. Stokes; *Visiting Scholars:* W. Rhodes, W. Morse; *Other Fac:* M. Adeigbola, J. Witty, A. Yang.

**EDUCATION COURSES****Adult Education****ADE 4384 WORKING WITH THE ADULT LEARNER:****ADULT EDUCATION**

(3)  
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.

**Art Education****ARE 3044 EXPERIENTIAL BASIS OF ARTISTIC MIND**

(3)  
PR: Admission to College of Education. 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)  
PR: Admission to College of Education and 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 4112 EDUCATION THROUGH CRAFTS**

(3)  
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 4440 ART TEACHING STRATEGIES II**

(3)  
Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

**ARE 4443 CRAFTS WORKSHOP IN ART EDUCATION**

(3)  
PR: Admission to College of Education and ARE 3044. The study and practice of processes and media involved with the exploration and expression of cultural traditions and individual ideas through crafts.

**ARE 4642 COMMUNITY ARTS**

(3)  
PR: Admission to College of Education and ARE 3044. Explores the arts as infrastructure through identification, exploration and experimentation of/with unique community spaces, populations and new environments for and learning in the arts.

**ARE 4909 DIRECTED STUDY: ART EDUCATION**

(1-3)  
PR: Senior standing. Designed to extend competency in field of art education.

**ARE 4936 SENIOR SEMINAR IN ART EDUCATION**

(2)  
PR: Senior standing. CR: ARE 4940. Synthesis of teacher candidate's courses in complete college program.

**ARE 4940 INTERNSHIP: ART EDUCATION**

(1-12)  
CR: ARE 4936. 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. (S/U only.)

**Business and Office Education****BTE 4401 SPECIAL TEACHING METHODS:****BUSINESS EDUCATION**

(4)  
PR: Successful completion of BE competencies, or CI. Methods, techniques, and materials for skill development.

**BTE 4410 METHODS OF TEACHING: BUSINESS EDUCATION**

(4)  
PR: Successful completion of BE competencies, or CI. Methods, techniques and materials for instruction.

**BTE 4909 DIRECTED STUDY: BUSINESS EDUCATION**

(1-3)  
PR: Senior standing. To extend competency in teaching field.

**BTE 4936 SENIOR SEMINAR IN BUSINESS AND OFFICE EDUCATION**

(2)  
PR: Senior standing; CR: BTE 4940. Synthesis of teacher candidate's courses in complete college program.

**BTE 4940 INTERNSHIP: BUSINESS EDUCATION**

(1-12)  
CR: BTE 4936. 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. (S/U only.)

**BTE 4948 FIELD-BASED SEMINAR IN BUSINESS EDUCATION**

(3)  
Supervised field experience and orientation to broad field business education. Specifically designed to be preparatory for the internship. (S/U only.)

**BTE 5171 CURRICULUM CONSTRUCTION: BUSINESS EDUCATION**

(3)  
Curriculum scope, the process of planning and organizing instructional programs with emphasis in task analysis and process evaluation.

**EDG 4909 DIRECTED STUDIES**

PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

**DEC 4161 PROGRAM MANAGEMENT OF DISTRIBUTIVE AND MARKETING EDUCATION**

(3)  
The study of the purposes, processes, organization, planning, directing, coordinating and evaluation of Distributive and Marketing Education Cooperative Programs.

**Computers in Education****EME 2040 INTRODUCTION TO EDUCATIONAL TECHNOLOGY**

(3)  
Introduction to computer technology and its role in the teaching and learning processes. Topics include: educational software, ethical and social issues, hardware, interactive multimedia, models for integrating technology into instruction, productivity tools, and telecommunications. A prerequisite for admission into the College of Education

**EME 5403 MICROCOMPUTERS IN EDUCATION**

(3)  
A survey course designed to introduce practicing teachers to microcomputer technology and its function in the classroom to augment the teaching and learning process. Objectives include the use and evaluation of educational software, classroom use of computers, instructional computing research, generic applications software (word processors, database managers, etc.), programming, disk operating systems, and microcomputer hardware.

**Curriculum and Instruction****EDG 1300 INTRODUCTION TO TEACHING**

(3)  
An overview of the teaching profession. The people with whom teachers work, the types of tasks they perform and the challenges they can anticipate. Observation/field work required.

**EDG 4620 CURRICULUM AND INSTRUCTION**

(3)  
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.

**Early Childhood Education****EEC 2000 INTRODUCTION TO EARLY CHILDHOOD EDUCATION**

(3)  
An overview of early childhood education with emphasis on its historical development, current theories, and practices.

**EEC 4008 LITERATURE IN EARLY CHILDHOOD EDUCATION -6A -XLW**

(3)  
Emphasis is placed on developing knowledge of literature for younger children (0 - 8 years) and methodologies and



strategies for utilizing literature to teach literacy in content areas of the curriculum.

- EEC 4203 PROGRAMS FOR YOUNG CHILDREN** (3)  
PR: Admission to College of Education. Develops students' understanding of programs in early childhood, philosophical orientations that guide program development, and components of high quality programs.
- EEC 4211 INTEGRATED CURRICULUM: SCIENCE AND MATHEMATICS** (3)  
PR: Admission to College of Education. Provides students with knowledge of beginning sequential 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 & ARTS** (3)  
PR: Admission to College of Education. Emphasis is placed on understanding concepts associated with the major content areas within the social sciences. Planning, implementing, and evaluating appropriate learning experiences for children age 3 through grade 3 will link understanding to practice.
- EEC 4300 COGNITIVE EXPERIENCES FOR YOUNG CHILDREN** (3)  
PR: Admission to College of Education. Emphasizes theoretical and practical aspects of cognitive development for children ages 3 through 6 with focus on planning integrated experiences and content in science, mathematics, and social sciences.
- EEC 4303 CREATIVE AND AFFECTIVE EXPERIENCES FOR YOUNG CHILDREN** (3)  
PR: Admission to College of Education. Develops students' understandings of young children's creative expression through art, music, movement, play and drama. Emphasizes how to plan, implement, and evaluate appropriate learning experiences as well as selection of appropriate instructional materials.
- EEC 4401 CHILD, FAMILY & TEACHER RELATIONS** (3)  
PR: Admission to College of Education. Focuses on developing an understanding of traditional and non-traditional families, structural and life style variations and parenting in diverse cultures and at-risk families. Implications from these understandings will guide development of a parent involvement plan that includes effective ways to communicate with parents, conference with parents, and plan parent meetings and home visits.
- EEC 4706 LANGUAGE AND EMERGING LITERACY** (3)  
PR: Admission to College of Education. Provides knowledge of language development and emerging literacy for typical and atypical development in children from birth to third grade, including ESOL children.
- EEC 4905 INDEPENDENT STUDY: ELEMENTARY EARLY CHILDHOOD EDUCATION** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)
- EEC 4909 DIRECTED STUDY: EARLY CHILDHOOD EDUCATION** (1-3)  
PR: Senior standing. To extend competency in teaching field.
- EEC 4940 INTERNSHIP: EARLY CHILDHOOD** (10-12)  
CR: EEC 4936. Teacher candidate is required to demonstrate professional competencies during one semester of full-day internship in a public or private elementary school. (S/U only.)
- EEC 4941 FIELD EXPERIENCE I** (3)  
PR: Admission to College of Education. Field placement with three and four year olds where teacher candidates have opportunities to apply knowledge and skills in authentic situations and become objective observers of young children's development. Weekly seminars are conducted in conjunction with the field experience which provide teacher candidates an opportunity for reflection on their understandings.
- EEC 4942 FIELD EXPERIENCE II** (3)  
PR: Admission to College of Education. Field placement in kindergarten or primary grade where teacher candidates

have opportunities to apply knowledge and skills in authentic situations. Emphasis on developing deeper understanding of children's development and implications of development for program planning for both typical and atypical children.

- EEC 4943 FIELD EXPERIENCE III** (3)  
PR: Admission to College of Education. 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.

### Elementary Education

- ARE 4313 ART FOR THE CHILD AND YOU** (3)  
PR: Admission to College of Education. Art and the intellectual, creative, emotional, and aesthetic growth of children.
- EDE 4301 TEACHING METHODS IN THE ELEMENTARY SCHOOL** (3)  
PR: EDE 4941 and EDG 4620. Techniques and strategies appropriate to instruction of children in educational settings.
- EDE 4905 INDEPENDENT STUDY: ELEMENTARY EDUCATION** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)
- EDE 4909 DIRECTED STUDY: ELEMENTARY EDUCATION** (1-4)  
PR: Senior standing. To extend competency in teaching field.
- EDE 4940 INTERNSHIP: ELEMENTARY EDUCATION** (10-12)  
PR: EDE 4941 and EDE 4942; CR: EDE 4936. Teacher candidate is required to demonstrate professional competencies during one semester of full day internship in a public or private elementary school and attend a weekly seminar. (S/U only.)
- EDE 4941 CHILDHOOD EDUCATION INTERNSHIP LEVEL I** (4)  
PR: Admission to the Elementary Education. CR: RED 4310, EDG 4620. Students spend six hours per week in a supervised in-school experience and attend a weekly seminar. Concurrent enrollment in EDG 4620-Elementary section. (S/U only.)
- EDE 4942 CHILDHOOD EDUCATION INTERNSHIP LEVEL II** (6)  
PR: EDE 4941, RED 4310, EDG 4620, EDF 3122, LAE 4314, EDE 4301, MAE 4310, SCE 4310, LAE 4414, SSE 4313, EME 4402. Students spend 12 hours per week in a supervised internship experience in classroom settings and attend a weekly seminar. (S/U only.)
- HLP 4722 HEALTH AND PHYSICAL EDUCATION FOR THE CHILD** (3)  
PR: Admission to the College of Education. A study of the importance of movement competency and its contribution to the development of a positive self-concept in children; content and methodology for developing appropriate movement experiences for children; content and methodology for teaching elementary health science.
- LAE 4314 LANGUAGE ARTS IN CHILDHOOD EDUCATION** (3)  
PR: Admission to the College of Education. Implementing a coordinated and integrated language arts curriculum and guiding the developmental language experiences of children in elementary school. Explores the content, organization, and instruction of oral and written expression in childhood education.
- LAE 4414 LITERATURE IN CHILDHOOD EDUCATION -6A -XLW** (3)  
The selection, evaluation and use of fiction, nonfiction and poetry for instructional, informational, and recreational purposes in Childhood Education.
- MAE 4310 TEACHING ELEMENTARY SCHOOL MATHEMATICS I** (3)  
PR: Admission to College of Education and two college level mathematics courses. Methods for teaching number ideas, computation skills, and mathematical reasoning.
- MAE 4326 TEACHING ELEMENTARY SCHOOL MATHEMATICS II** (2)  
PR: MAE 4310. Methods for teaching informal geometry, measurement, probability and statistics.

**MUE 4210 MUSIC FOR THE CHILD** (3)  
PR: Admission to Elementary program. Music fundamentals; the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

**RED 4310 EARLY LITERACY LEARNING** (3)  
PR: Admission to College of Education. Prepares preservice teachers to understand the foundations of literacy and the learning principles and instructional strategies necessary to provide literacy instruction to emergent, novice, and transitional readers and writers.

**SCE 4310 TEACHING ELEMENTARY SCHOOL SCIENCE** (3)  
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.

**SSE 4313 TEACHING ELEMENTARY SCHOOL SOCIAL STUDIES** (3)  
PR: Admission to College of Education or CI. Methods of planning and teaching subjects related to the study of people and their relationships with other people and their environment.

### English Education

**LAE 4323 METHODS OF TEACHING ENGLISH: MIDDLE SCHOOL** (3)  
Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for middle school students. Must be taken one or two semesters prior to internship. Recommended to be taken with LAE 4464.

**LAE 4464 ADOLESCENT LITERATURE FOR MIDDLE AND SECONDARY STUDENTS -6A -XLW** (3)  
PR: English Education majors or CI. A study of the types of literature read by adolescents with an emphasis upon the criteria for the choice of good books and knowledge of available books and teaching materials. Recommended to be taken with LAE 4464 two semesters prior to internship.

**LAE 4530 METHODS OF TEACHING ENGLISH: PRACTICUM** (3)  
PR: Senior standing or enrollment in Plan II Master's Program. Required concurrently with LAE 4325 or LAE 4642. Taken one semester (spring or fall) prior to internship.

**LAE 4642 METHODS OF TEACHING ENGLISH: HIGH SCHOOL** (3)  
PR: 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. Must be taken one semester prior to internship with LAE 4530.

**LAE 4936 SENIOR SEMINAR IN ENGLISH EDUCATION** (2)  
PR: Senior standing. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

**LAE 4940 INTERNSHIP: ENGLISH EDUCATION** (1-12)  
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. (S/U only.)

**LAE 5932 SELECTED TOPICS IN THE TEACHING OF ENGLISH** (3)  
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.

### Foreign Language Education

**FLE 4314 FOREIGN LANGUAGE TEACHING IN THE ELEMENTARY SCHOOL** (3)  
PR: EDG 4620 or concurrent registration, and 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 4333 FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL** (3)  
PR: FLE 4314, and fluency in the target language and in English. Methods of teaching foreign languages within a communicative framework. Includes examination and practice of current instructional techniques in listening, speaking, reading and writing skills, testing, error correction, and computer assisted language instruction. The emphasis is on teaching foreign languages and teaching for cultural understanding at the secondary level 7-12.

**FLE 4370 PRACTICUM IN FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL** (3)  
PR: Senior standing or enrollment in Plan II Master's Program (or CC). Required concurrently with FLE 4333. Fluency in the target language and in English. Preinternship 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)  
PR: Senior standing. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

**FLE 4940 INTERNSHIP: FOREIGN LANGUAGE EDUCATION (1-12)**  
One full semester of internship in a public or private school. Intern takes Senior Seminar in Education concurrently. (S/U only.)

### Education -- General

**EDG 4909 DIRECTED STUDIES**  
PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

### Industrial and Technical Education

**EIA 3192 TECHNOLOGY EDUCATION AND SOCIETY** (4)  
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)  
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.

**EIV 4210 PROGRAM MANAGEMENT: INDUSTRIAL-TECHNICAL EDUCATION** (4)  
Planning, organizing, motivating and controlling of the learning environment in Industrial-Technical Education Classroom and Laboratories. Program standards for OSHA, program review, record keeping, and budgeting will be examined.

**EIV 4314 METHODS OF TEACHING: DIVERSIFIED COOPERATIVE TRAINING** (3)  
Methods, techniques, and materials for instruction. This course specializes in Diversified Cooperative Training.

**EIV 4360 SPECIAL TEACHING METHODS: INDUSTRIAL-TECHNICAL EDUCATION** (4)  
PR: EVT 4365 or CI. Instructional techniques in industrial-technical education. Vocational Industrial Clubs of America activities may be included.

**EIV 5315 PROGRAM MANAGEMENT: DIVERSIFIED COOPERATIVE TRAINING** (3)  
Organization, coordination, and budgeting of adult, cooperative, and special programs.

**EVT 4065 HISTORY AND PRINCIPLES OF VOCATIONAL EDUCATION** (4)  
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)  
Designed for the ITE teacher in forming plans of professional



development. Competencies include the development of a personal education philosophy; attributes in creating harmonious school community relationships; and desirable staff and teacher associations.

**EVT 4165 CURRICULUM CONSTRUCTION: INDUSTRIAL-TECHNICAL EDUCATION** (4)

Design, development, implementation and evaluation of effective curricular materials in industrial, technical and health related occupations; includes individualized and self-paced materials. Open to majors and non-majors.

**EVT 4263 ORGANIZATION AND ADMINISTRATION OF STUDENT VOCATIONAL ORGANIZATIONS** (1-4)

Includes the organization and administration of the local student vocational organization in industrial, health occupations, business and distributive education.

**EVT 4365 BASIC TEACHING METHODS IN VOCATIONAL EDUCATION** (4)

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)

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)

Focuses on modifying the vocational education curriculum, laboratory, shop, student outcomes, learning activities, tests, media, etc. to accommodate the unique learning needs of minority, handicapped, disadvantaged, non-traditional and other special needs students.

**EVT 4651 EQUITY IN SCHOOLS AND THE WORKPLACE - 6A -XMW** (3)

Issues related to gender equity in schools and the workplace. Includes legal, ethical, psychological, sociological, and economic factors; males and females in traditional and non-traditional occupations.

**EVT 4905 INDEPENDENT STUDY: INDUSTRIAL-TECHNICAL EDUCATION** (1-4)

PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

**EVT 4909 DIRECTED STUDY: INDUSTRIAL-TECHNICAL EDUCATION** (1-3)

PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

**EVT 4936 SENIOR SEMINAR IN INDUSTRIAL-TECHNICAL EDUCATION** (2)

PR: Senior standing; CR: EVT 4940. Synthesis of teacher candidate's courses in complete college program.

**EVT 4940 INTERNSHIP: INDUSTRIAL-TECHNICAL EDUCATION** (1-12)

CR: EVT 4936. 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. (S/U only.)

**EVT 4946 SUPERVISED FIELD EXPERIENCE: INDUSTRIAL-TECHNICAL EDUCATION** (1-6)

PR: CI. Planned supervised functions in the area of specialization and coordinated with selected schools, government, offices, social agencies, businesses and industries on site. (S/U only.)

**EVT 5369 PREPARATION AND DEVELOPMENT FOR TEACHING** (4)

The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.

**EVT 5664 SCHOOL COMMUNITY DEVELOPMENT** (4)

This course is an approach to identifying, assessing, and analyzing, individual, institutional and community needs for

the purpose of cooperative program planning, community involvement and public support.

### Mathematics Education

**MAE 4320 TEACHING MATHEMATICS IN THE MIDDLE GRADES** (3)

PR: 18 semester hours of mathematics or CI. Techniques and materials of instruction in middle grades mathematics topics. Students are expected to observe 15 hours in middle schools.

**MAE 4330 TEACHING SENIOR HIGH SCHOOL MATHEMATICS** (3)

PR: MAE 4320 and admission to teacher education program in mathematics. Techniques and materials of instruction in mathematics. Students are expected to observe 20 hours in high schools.

**MAE 4551 READING THE LANGUAGE OF MATHEMATICS** (2)

Consideration of issues related to the communication of mathematics, including reading and writing mathematics and solving verbal problems.

**MAE 4909 DIRECTED STUDY: MATHEMATICS EDUCATION** (1-3)

PR: Senior Standing. To extend competency in teaching field.

**MAE 4936 SENIOR SEMINAR IN MATHEMATICS EDUCATION** (2)

PR: Senior Standing; CR: MAE 4940. Synthesis of teacher candidate's courses in complete college program.

**MAE 4940 INTERNSHIP: MATHEMATICS EDUCATION** (1-12)

CR: MAE 4936. 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. (S/U only.)

### Measurement and Research

**EDF 4430 MEASUREMENT FOR TEACHERS** (3)

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.

### Music Education

**MUE 2090 THEORETICAL BASES OF MUSIC EDUCATION** (3)

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)

PR: Sophomore standing, non-woodwind major. 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)

PR: Sophomore standing, non-brass major. The course introduces the fundamentals of brass wind instrument pedagogy. In addition, basic techniques of brass performance are taught through the study of trombone and trumpet.

**MUE 3421 CHORAL MATERIALS PRACTICUM** (1)

PR: CI. A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

**MUE 3422 BAND MATERIALS PRACTICUM** (1)

PR: CI. A study of band materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

**MUE 3423 ORCHESTRA MATERIALS PRACTICUM** (1)

PR: CI. A study of orchestra materials, in a laboratory setting, appropriate to elementary and secondary school music programs. Course content will change each semester. May

be repeated for a total of 2 credit hours.

- MUE 3451 ADVANCED WOODWIND TECHNIQUES** (1)  
PR: Sophomore standing, woodwind instrument major or MUE 3450. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.
- MUE 3461 ADVANCED BRASS TECHNIQUES** (1)  
PR: Sophomore standing, brass instrument major or MUE 3460. The course develops knowledge and skills dealing with advanced principles of teaching and performing on all brass instruments.
- MUE 4210 MUSIC FOR THE CHILD** (3)  
PR: Admission to the College of Education. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.
- MUE 4311 MUSIC IN THE ELEMENTARY SCHOOL** (3)  
PR: Cl. A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.
- MUE 4321 FOUNDATIONS OF CHORAL MUSIC** (2)  
This course deals with the development of knowledge and skills needed to effectively organize and teach a choral music program for elementary and intermediate grade level students. Include school observation and participation component. Major status or instructor permission required.
- MUE 4330 CLASSROOM MUSIC IN THE SECONDARY SCHOOL** (3)  
PR: Cl. 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)  
PR: Cl. Junior standing. Development and implementation of methods techniques for teaching secondary school choral music.
- MUE 4332 INSTRUMENTAL MUSIC IN THE SECONDARY SCHOOL** (3)  
PR: Cl. MUE 3450, MUE 3460, MVP 1211. Junior standing. Development and implementation of methods techniques for teaching secondary school instrumental music.
- MUE 4352 FOUNDATIONS OF INSTRUMENTAL MUSIC** (2)  
PR: Cl. MUE 3450, MUE 3460, MVP 1211. Junior standing. Introduction to the foundation of instrumental music instruction in the elementary and middle school.
- MUE 4480 MARCHING BAND TECHNIQUES** (2)  
PR: Junior standing. This course is required of instrumental music education majors. It will provide the student with the needed skills in creating for and teaching the public school marching band.
- MUE 4909 DIRECTED STUDY: MUSIC EDUCATION** (1-3)  
PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.
- MUE 4936 SENIOR SEMINAR IN MUSIC** (3)  
CR MUE 4940. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.
- MUE 4940 INTERNSHIP: MUSIC EDUCATION** (1-12)  
CR: MUE 4936. 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. (S/U only.)

### Physical Education -- Elective

- HLP 3081 PERSONAL WELLNESS: A LIFETIME COMMITMENT** (3)  
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.
- PEL 1121 GOLF I** (2)  
Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation. (S/U only.)
- PEL 1341 TENNIS I** (2)  
Introductory experiences in the sport of tennis. Basic skills,

playing strategies, lecture, demonstration, and participation. (S/U only.)

- PEL 1346 BADMINTON** (2)  
Progressive experiences in badminton, fundamental skills, strategy, information and participation. (S/U only.)
- PEL 1122 GOLF II** (2)  
Continuation of PEL 1121. Emphasis on course play and refinement of strokes. (S/U only.)
- PEL 2321 VOLLEYBALL** (2)  
Review and refinement of fundamental skills, presentation and practice of the various offensive strategies. (S/U only.)
- PEL 2342 TENNIS II** (2)  
Continuation of PEL 1314L. Refinement of basic skills, supplementary strokes, greater emphasis on tactics and playing strategies. (S/U only.)
- PEL 2441 RACKETBALL** (2)  
Development and refinement of the skills and strategies of Racketball with opportunity for competition and tournament play. (S/U only.)
- PEL 2621 BASKETBALL** (2)  
Review and refinement of fundamental skills, presentation and practice of the various offensive and defensive strategies. (S/U only.)
- PEM 2116 STRENGTH AND AEROBIC DEVELOPMENT** (2)  
Strength development activities combined with aerobic training for individual improvement. (S/U only.)
- PEM 2131 WEIGHT TRAINING** (2)  
Knowledge and techniques necessary for increasing muscle function. Assessment of status and development of a personal program. (S/U only.)
- PEM 2141 JOGGING** (2)  
Introduction to the knowledge and techniques necessary for increasing cardiorespiratory efficiency. Assessment of status and development of a personal program. (S/U only.)
- PEM 2441 KARATE** (2)  
Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation. (S/U only.)
- PEM 2930 SELECTED TOPICS** (1-2)  
Activities offered are selected to reflect student need and faculty interest. May be repeated up to 6 hours. (S/U only.)
- PEN 1121 SWIMMING I** (2)  
Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety. (S/U only.)
- PEN 2113 LIFEGUARD TRAINING** (2)  
PR: PEN 2122 or equivalent. Knowledge and skills necessary for saving the lives of others in the event of aquatic emergency. ARC certification offered. (S/U only.)
- PEN 2122 SWIMMING II** (2)  
PR: PEN 1121 or equivalent. Continuation of PEN 1121. Special emphasis on development of endurance and efficient stroking. (S/U only.)
- PEN 2136 SKIN & SCUBA DIVING** (2)  
PR: PEN 2172 or equivalent. 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. (S/U only.)
- PET 3931 SELECTED TOPICS** (1-3)  
Topics offered are selected to reflect student need and faculty interest. May be repeated up to 9 credit hours. (S/U only.)

### Professional Physical Education

- HLP 4941 WELLNESS INTERNSHIP** (15)  
PR: CC. Completion of all curriculum requirements. Supervised performance in adult fitness and/or wellness programs. Full semester on-site. Open to Wellness Leadership Physical Education Majors only. (S/U only.)
- HSC 2400 FIRST AID** (2)  
Meets the American Red Cross certification requirements in standard and advanced first aid.
- PEP 3940 PRACTICUM IN HEALTH PROMOTION/ WELLNESS** (4)  
PR: Cl. Completion of Semesters I and II and admission to the College of Education. Practical experience as a professional in a community or worksite health promotion or wellness program. (S/U only.)



**PEP 3951 COMMUNICATION SKILLS FOR WELLNESS****LEADERS-6A**

(3)

PR: Completion of Semester I and II in Wellness Leadership track or CI. Designed to develop knowledge and skills in communication and counseling that is specific to wellness and health promotion.

**PEQ 2101 AQUATICS**

(2)

PR: Red Cross beginning swimmer's skills or equivalent. Includes analysis of swimming skills, teaching methodology, conducting class activities, and organizing and conducting aquatic programs.

**PEQ 3170 AQUATIC EXERCISE**

(2)

PR: CC. 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 2010 PERSONAL/PROFESSIONAL DEVELOPMENT SEMINAR**

(3)

PR: CC. Identification of personal and professional knowledge, skills, and attitudes necessary for successful professional practice of physical educators and wellness leaders. Introduction to career opportunities and the historical, philosophical, and sociological foundations of the profession. Development of a personal-professional development plan. Field work required. Majors only.

**PET 2622C CARE AND PREVENTION OF PHYSICAL INJURIES**

(2)

Principles and techniques of conditioning athletes for competition; prevention and care of injuries in physical education and athletic activities.

**PET 3031 MOTOR DEVELOPMENT AND ASSESSMENT**

(3)

PR: CC. 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)

PR: CC. 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 3310 KINESIOLOGY**

(3)

PR: CC. A study of the structure and function of the skeletal and muscular systems and of mechanical principles related to psycho-motor performance. Open to non-majors.

**PET 3351 EXERCISE PHYSIOLOGY I**

(3)

PR: CC. A study of the effects of physical activity on the body. Topics include acute and chronic adaptation of the cardiovascular, muscular, metabolic, hormonal, and energy systems to exercise. Open to non-majors.

**PET 3421 CURRICULUM AND INSTRUCTION IN PHYSICAL EDUCATION**

(3)

PR: CC. Development of knowledge and skills related to the instruction process of physical education. Preparation of materials and planning instruction.

**PET 3422 INSTRUCTIONAL DESIGN AND CONTENT: MOVEMENT EXPERIENCES**

(3)

PR: CC. This course develops a variety of motor skills and includes the study of systems for analyzing movement. It prepares students to plan and conduct movement experiences in a wide variety of educational settings.

**PET 3441 INSTRUCTIONAL DESIGN AND CONTENT: MIDDLE SCHOOL PHYSICAL EDUCATION**

(3)

PR: CC. The development of physical education content and instructional practices for middle school students. The focus is upon matching appropriate content and learning experiences to the unique needs of the pre- and early adolescent learner.

**PET 3640 ADAPTED PHYSICAL EDUCATION**

(3)

PR: CC. A study of characteristics, programming needs and teaching of physical education for students with disabilities.

**PET 3799 CAREER DECISION-MAKING AND PROFESSIONAL ETHICS**

(1)

PR: CC. Teacher certification career decision-making activities. Monitor and continue personal-professional development plan developed in previous semester. Ethical practices

for teachers. Taken concurrently with PET 3943.

**PET 3943 PHYSICAL EDUCATION INTERNSHIP:****MIDDLE SCHOOL**

(4)

PR: CC. A part-time internship in middle school physical education. Focus on the relationship of physical education to the needs of the pre- and early adolescent learner, the organization and purpose of the middle school, and application appropriate content and methodologies.

**PET 4088 HEALTH, SAFETY, NUTRITION AND MOTOR SKILLS FOR THE YOUNG CHILD**

(3)

Provide students with the knowledge to teach developmentally appropriate motor activities; to provide continuous health services; create and maintain a healthy learning environment; and sequence appropriate health instruction for Pre-K through 3rd grade students.

**PET 4141 TRENDS AND TASKS- ELEMENTARY PHYSICAL EDUCATION**

(3)

PR: CC. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters. Taken concurrently with Physical Education Internship: Elementary. Physical Education Majors only.

**PET 4142 TRENDS AND TASKS - SECONDARY PHYSICAL EDUCATION**

(1)

PR: CC. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters. Taken concurrently with Physical Education Internship: Secondary. Physical Education Majors only.

**PET 4304 PRINCIPLES AND ISSUES IN COACHING**

(3)

The application of principles from philosophy, psychology, sociology, and physiology to competitive athletics and coaching.

**PET 4353 EXERCISE PHYSIOLOGY II**

(3)

PR: CC. & PET 3352. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritics, elderly, and high performance athletes. Open to non-majors.

**PET 4384 HEALTH-FITNESS APPRAISAL & EXERCISE PRESCRIPTION**

(3)

PR: CC. & PET 3352. Techniques in conducting health-fitness test and exercise prescription for adults. Includes cardiovascular strength, flexibility, body composition, health risk testing, exercise prescribing, and monitoring. Open to non-majors.

**PET 4401 ORGANIZATION & ADMINISTRATION OF PHYSICAL EDUCATION PROGRAMS**

(3)

PR: CC. A study of organizational and administrative procedures for physical education programs in elementary and secondary schools. Includes scheduling, budget, facilities, extra-curricular programs, and the selection and supervision of staff.

**PET 4404 ORGANIZATION & ADMINISTRATION OF WELLNESS PROGRAMS**

(3)

PR: CC. Design and implementation of various types of wellness programs with emphasis on assessment and evaluation, management, staffing, participant adherence, program design, budgeting, legal liability, and marketing.

**PET 4432 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION ELEMENTARY**

(3)

PR: CC. This is the second of a three-course sequence in which students study movement forms and instructional processes suitable for elementary age students.

**PET 4433 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION ELEMENTARY II**

(3)

This course prepares students to select, plan, conduct complex movement experiences for students K-6.

**PET 4442 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION SECONDARY**

(3)

PR: CC. Development of knowledge and skills related to the teaching of selected movement activities such as team sports, gymnastics, and physical fitness. Focus is on understanding mechanical principles utilized within those activities as well as on instructional progression and the prepara-

tion of materials for instruction at the secondary school level.

**PET 4443 INSTRUCTIONAL DESIGN AND CONTENT:**

**PHYSICAL EDUCATION SECONDARY II** (3)  
PR: CC. In this course, students are prepared to plan, conduct, and evaluate complex movement experiences in games, dance, gymnastics and physical fitness appropriate for students.

**PET 4905 INDEPENDENT STUDY: PROFESSIONAL**

**PHYSICAL EDUCATION** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

**PET 4933 SENIOR SEMINAR IN SECONDARY**

**PHYSICAL EDUCATION** (3)  
PR: CC. Synthesis of teacher candidate's courses in complete college program. Reflective evaluation of teaching experience. Required concurrently with Associate Teaching in Physical Education: Secondary. Physical Education Majors only.

**PET 4934 SENIOR SEMINAR IN ELEMENTARY**

**PHYSICAL EDUCATION** (3)  
PR: CC. Synthesis of teacher candidate's course in complete college program. Reflective evaluation of teaching experience. Required concurrently with Associate Teaching in Physical Education: Elementary. Physical Education Majors only.

**PET 4942 PHYSICAL EDUCATION INTERNSHIP: ELEMENTARY**

(4)  
PR: CC. A part-time internship in elementary school physical education. Focus on the nature of the total elementary school curriculum, characteristics of students, and application of appropriate content and instructional competencies. (S/U only.)

**PET 4944 PHYSICAL EDUCATION INTERNSHIP: SECONDARY**

(4)  
PR: CC. 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. (S/U only.)

**PET 4946 ASSOCIATE TEACHING PHYSICAL EDUCATION: ELEMENTARY**

(12)  
PR: CC. A full-time internship in the elementary school in which the student undertakes the full range of teaching responsibilities in elementary physical education. May not be repeated. (S/U only.)

**PET 4947 ASSOCIATE TEACHING PHYSICAL EDUCATION: SECONDARY**

(12)  
PR: CC. 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. (S/U only.)

**Psychological and Social Foundations**

**EDF 3122 LEARNING AND THE DEVELOPING CHILD** (4)

PR: General psychology and admission to College of Education. Preadolescent child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

**EDF 3214 HUMAN DEVELOPMENT AND LEARNING** (3)

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.

**EDF 3228 HUMAN BEHAVIOR AND ENVIRONMENTAL SELECTION -6A -XMW** (3)

Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills.

**EDF 3542 PHILOSOPHY OF EDUCATION -XMW** (4)

PR: Upper level standing. A study of philosophy of education with an emphasis on aspects that are relevant to an understanding of the issues and problems of American education.

**EDF 3604 SOCIAL FOUNDATIONS OF EDUCATION -XMW** (3)

Social, economic and political context within which schools

function and the values which provide direction for our schools; the culture as a motivating influence in instruction.

**EDF 4131 LEARNING AND THE DEVELOPING ADOLESCENT** (4)

PR: General psychology and admission to College of Education. Adolescent growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of the classroom.

**EDF 4905 INDEPENDENT STUDY: EDUCATIONAL**

**FOUNDATIONS** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

**EDF 4909 DIRECTED STUDY: EDUCATIONAL**

**FOUNDATIONS** (1-3)  
PR: Senior Standing. To extend competency in teaching field. Offered only as a scheduled class.

**EDF 5136 ADOLESCENCE** (4)

Study of the educational, intellectual, personality, physical, social and vocational factors in adolescence and their importance for school personnel.

**EDF 5285 PROGRAMMED INSTRUCTION AND**

**TEACHING MACHINES** (3)  
Principles for programming in the several academic subjects.

**EDF 5672 AMERICAN DEMOCRACY AND PUBLIC**

**EDUCATION** (3)  
Interdependence of the public school and democracy in the United States and the responsibility of the school in fostering and strengthening basic democratic principles.

**IDS 3115 VALUES AND CHOICES -6A -XMW** (3)

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.

**MHS 4001 INTRODUCTION TO GUIDANCE PROCESSES** (3)

PR: Upper level standing. An introduction to the role and function of guidance, school psychology, social work and other pupil personnel services. Opportunities for increasing self awareness.

**MHS 4052 HUMAN RELATIONS SKILLS IN**

**COUNSELING -XMW** (4)  
PR: EGC 4001 or CI. Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relations. Lecture sessions and laboratory training.

**MHS 4905 INDEPENDENT STUDY: GUIDANCE AND**

**COUNSELING EDUCATION** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

**SDS 4040 INTRODUCTION TO STUDENT PERSONNEL**

**WORK IN HIGHER EDUCATION** (2)  
PR: CI. Study of student personnel services in institutions of higher education. Identification of the needs of students and of the ways to respond to meet these needs. Survey of service units on a campus in terms of structure, organization, funding, etc.

**SLS 1101 THE UNIVERSITY EXPERIENCE** (2)

PR: Freshman only or CI. An extended introduction and orientation to USF. Topics include purposes of higher education, structure and function of USF, overview of the processes of career planning and selecting a major, study skills, and managing out-of-class time.

**SLS 2401 CAREER DEVELOPMENT PROCESS** (2)

Students will study vocational choice theories and participate in career decision processes. Development of self-awareness and knowledge of career opportunities and requirements necessary for decision making. Available to lower level majors or non-majors.

**Reading Education**

**RED 4511 LITERACY IN THE INTERMEDIATE AND**

**MIDDLE GRADES** (3)  
PR: RED 4310. Prepares preservice teachers to facilitate literacy learning for students who are beyond the primary



grades. Students will develop an understanding of instructional strategies and materials appropriate for remedial, multicultural, and mainstream students ways to promote literacy development across the curriculum, and theories of reading disabilities.

### Science Education

#### SCE 4237 SCIENCE, TECHNOLOGY, SOCIETY INTERACTION - 6A -XMW (4)

Achieve a historical and philosophical understanding of (1) the nature of the scientific enterprise: interaction of science, technology, and society (STS), (2) how to teach STS including the use of computers and related technologies, and (3) intricacies of sample STS topics.

#### SCE 4305 COMMUNICATION SKILLS IN THE SCIENCE CLASSROOM (2)

Reading and communication skills important in understanding scientific literature and communicating findings to others.

#### SCE 4320 TEACHING METHODS IN MIDDLE GRADE SCIENCE (3)

PR: Completion of 25 semester hours of Science or CC. Survey techniques and materials unique to science, grades 5-9. Not designed for high school certification purposes.

#### SCE 4330 TEACHING METHODS IN THE SECONDARY SCHOOL SCIENCES (3)

PR: Completion of 26 hours in approved science areas, EDG 4620 (or CR), and CC. Techniques and materials of instruction in secondary school sciences.

#### SCE 4936 SENIOR SEMINAR IN SCIENCE EDUCATION (1)

PR: Senior standing; CR: SCE 4940. Synthesis of teacher candidate's courses in complete college program.

#### SCE 4940 INTERNSHIP: SCIENCE EDUCATION (1-12)

CR: SCE 4936. One full semester of internship in a public or private school.

#### SCE 5937 SELECTED TOPICS IN SCIENCE EDUCATION (1-4)

May be repeated when topics are not duplicated.

### Social Science Education

#### SSE 4333 TEACHING MIDDLE GRADE SOCIAL SCIENCE (3)

This introductory course is concerned with the identification of the major content areas selected from the various social sciences. Topics related to selecting, organizing, and sequencing teaching materials and methods related to the unique problems of teaching teenage youth are studied. Field work is required.

#### SSE 4334 SECONDARY SOCIAL SCIENCE EDUCATION TEACHING METHODS (3)

PR: SSE 4333. This course is designed to identify and study selected techniques and strategies used in social science education instruction and prepare the student for the teaching profession. Emphasis is placed upon the learner's ability to demonstrate skill in selecting methods, techniques, materials, and evaluative forms. Field work is a requirement.

#### SSE 4380 GLOBAL AND MULTICULTURAL PERSPECTIVES IN EDUCATION -XMW (3)

PR: EDG 3604 and EDG 4620, or CI. Examination of the major issues surrounding global and multicultural perspectives in education (Available to non-Education majors.)

#### SSE 4640 COMMUNICATION SKILLS IN THE SOCIAL STUDIES (2)

PR: CC. Specialized independent study determined by the student's needs and interests. Learners will demonstrate competence in various social studies communications skills. (S/U only.)

#### SSE 4670 ECONOMICS USA: PRINCIPLES OF ECONOMICS FOR TEACHERS (3)

A television course focusing on content and teaching methodology related to micro/macro economic principles. (S/U only.)

#### SSE 4936 SENIOR SEMINAR IN SOCIAL SCIENCE EDUCATION (2)

PR: Senior standing; CR: SSE 4940. Synthesis of teacher candidate's courses and preparation for the professional interview and application process.

#### SSE 4940 INTERNSHIP: SOCIAL SCIENCE EDUCATION (1-12)

CR: SSE 4936. 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. (S/U only.)

#### SSE 5644 ECONOMIC DECISION-MAKING FOR TEACHERS (3)

PR: Admission to the College of Education or CC. Provides teachers (K-12) with content related to the operation of businesses in a market economy. Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 instructional programs.

### Special Education

#### EED 4011 INTRODUCTION TO BEHAVIOR DISORDERS (3)

PR: EEX 2010, or equivalent or CI. 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 4905 INDEPENDENT STUDY: BEHAVIOR DISORDERS (1-3)

PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to a maximum of 3 credit hours when subjects vary. (S/U only.)

#### EED 4909 DIRECTED STUDY: BEHAVIOR DISORDERS (1-3)

PR: Senior standing. To extend competency in teaching field.

#### EED 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN BEHAVIOR DISORDERS (1-6)

PR: EEX 2010 and major in behavior disorders. Supervised field experience in assessment, classroom management, and clinical teaching with children who have emotional and behavioral disabilities. Repeatable up to 6 credit hours. (S/U only.)

#### EEX 2010 INTRODUCTION TO SPECIAL EDUCATION (3)

Characteristics and needs of children who have learning disabilities, emotionally disabilities, hearing impairments, mentally retardation, physically handicaps, speech impairments, visual limitations, and who are gifted and talented.

#### EEX 4015 NARRATIVE PERSPECTIVES ON EXCEPTIONALITY: CULTURAL AND ETHICAL ISSUES -6A -XLW (3)

This course is designed to use literature as a way to interpret the lives of individuals with disabilities, their families and this who play an educational role in their lives. The course also addresses cultural and ethnic diversity so as to better analyze the role of ethics and values in decisions made pertaining to individuals with disabilities.

#### EEX 4070 INTEGRATING EXCEPTIONAL STUDENTS IN THE REGULAR CLASSROOM (2-3)

Designed for non-special education majors. Includes basic identification techniques and strategies to promote academic and social integration and interaction of "mainstreamed" exceptional students. Concurrent field experience projects are included. No credit for department majors.

#### EEX 4221 EDUCATIONAL ASSESSMENT OF EXCEPTIONAL STUDENTS (3)

PR: EDF 3214 and EEX 2010. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Introduction to assessment of exceptional students through formal and informal techniques. Emphasis placed on the interpretation of information for educational programming and individualization of instruction.

#### EEX 4243 EDUCATION OF THE EXCEPTIONAL ADOLESCENT AND ADULT (3)

PR: EEX 2010 or equivalent or CI. 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)

PR: EEX 2010. Taken concurrently with EED 4941, ELD

4941, or EMR 4941. Techniques to prevent, analyze, and manage challenging and disruptive classroom behavior as well as teaching social skills.

**EEX 4846 CLINICAL TEACHING IN SPECIAL EDUCATION** (3)  
PR: EEX 2010. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Effective teaching principles, instructional management procedures, and specialized teaching techniques for exceptional students.

**EEX 4905 INDEPENDENT STUDY: EXCEPTIONAL STUDENT EDUCATION** (1-3)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 3 credit hours when subjects vary. (S/U only.)

**EEX 4909 DIRECTED STUDY: EXCEPTIONAL STUDENT EDUCATION** (1-3)  
PR: Senior standing. To extend competency in teaching field. Repeatable up to 3 credit hours.

**EEX 4936 SENIOR SEMINAR IN EXCEPTIONAL STUDENT EDUCATION** (2)  
PR: Senior standing; CR: EEX 4940. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

**EEX 4940 INTERNSHIP: EXCEPTIONAL STUDENT EDUCATION** (1-10)  
CR: EEX 4936. One full semester of internship in an accredited public or private school. (S/U only.)

**EEX 5705 SEMINAR IN PRESCHOOL HANDICAPPED** (2)  
PR: CI. Seminar about the needs, interventions, and the coordination of services for preschool handicapped children and their families. May be repeated up to 6 credit hours.

**EEX 5752 WORKING WITH FAMILIES: A PLURALISTIC PERSPECTIVE** (3)  
PR: Graduate standing or CI. The impact of the socio-cultural environment on the education of at-risk and handicapped children; family systems theory, principles of multicultural education, strategies for working effectively with families of school-age children, diverse cultures and family structures represented in school.

**EGI 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN GIFTED STUDENT EDUCATION** (1-6)  
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)  
Characteristics and educational needs of gifted children and youth. Emphasis is on five types of giftedness as defined by National Department of Education (1) intellectual giftedness, (2) specific academic aptitude, (3) visual and performing arts, (4) leadership and (5) kinesthetic.

**EGI 5325 THEORY AND DEVELOPMENT OF CREATIVITY** (3)  
Exploration of the concept of creativity, its factors, measurement, and application to education. Opportunities are given to work with children in a laboratory setting and to prepare materials to be used with small groups of children.

**ELD 4011 INTRODUCTION TO SPECIFIC LEARNING DISABILITIES** (3)  
PR: EEX 2010 or CI. Characteristics, needs and abilities of children with SLD. Emphasis is on theories, issues, trends, and philosophy of problems for such children.

**ELD 4905 INDEPENDENT STUDY: SPECIFIC LEARNING DISABILITIES** (1-3)  
PR: CI. Specialized independent study determined by student's needs and interests. May be repeated up to 3 credit hours when subjects vary. (S/U only.)

**ELD 4909 DIRECTED STUDY: SPECIFIC LEARNING DISABILITIES** (1-3)  
PR: Senior standing. To extend competency in teaching field.

**ELD 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN SLD** (1-6)  
PR: EEX 2010 and major in Specific Learning Disabilities. Supervised field experiences in assessment, behavior management and clinical teaching with classes for children who have specific learning disabilities. Repeatable up to a total of 6 hours. (S/U only.)

**EMR 4011 INTRODUCTION TO MENTAL RETARDATION** (3)  
PR: EEX 2010. Introduction to the classification, diagnosis, characteristics, and treatment of children with mental retardation.

**EMR 4230 EDUCATING THE SEVERELY/PROFOUNDLY HANDICAPPED** (3)  
PR: EMR 3011 or CI. Emphasis on educational methods and materials for teaching students with severe/profound handicaps. Practicum/field experience linkage.

**EMR 4905 INDEPENDENT STUDY: MENTAL RETARDATION** (1-3)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

**EMR 4909 DIRECTED STUDY: MENTAL RETARDATION** (1-3)  
PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

**EMR 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN MENTAL RETARDATION** (1-6)  
PR: EEX 2010 and major in Mental Retardation. Supervised field experiences in assessment, behavior management, and clinical teaching with children who have mental retardation. Repeatable up to a total of 6 hours credit. (S/U only.)

**EPH 5051 ADVANCED THEORIES IN MOTOR AND PHYSICAL DISABILITIES** (3)  
PR: EEX 2010 or CI. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system covering motor, sensory, language and psychological disorders.

**EPH 5321 EDUCATIONAL STRATEGIES FOR PHYSICALLY AND MULTIHANDICAPPED STUDENTS** (3)  
PR: EPH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.

### Theatre Education

**EDG 4320 INTRODUCTION TO CREATIVE DRAMA** (3)  
This course for classroom teachers introduces the theory and practice of creative drama, as it applies to use by elementary, middle school and secondary school teachers. Beginning with a study of dramatic play as it relates to human development, the course includes basic strategies when using pantomime, voice improvisation, theatre games, and role playing and story dramatization.

**THE 4722 THEATRE FOR PRE-SECONDARY SCHOOLS: THE PRODUCTION PROCESS** (3)  
The play production process as it applies to theatre artist-in-schools programs, including development of related classroom workshops and preparation of study guides, and educational program materials as well as design, direction and rehearsal of play and touring methods. May be repeated for elective credit two times; once for major credit.

**THE 4723 THEATRE FOR PRE-SECONDARY SCHOOLS: THE PERFORMANCE PROCESS** (3)  
The artistic process of performing for various school audiences and practice conducting classroom workshops following each performance. May be repeated for elective credit two times; once for major credit.

**THE 4761 METHODS OF TEACHING THEATRE FOR ADOLESCENTS** (3)  
Methods of effective drama and theatre instruction in middle school, junior and senior high schools, recreation centers, community and professional theatres.



# COLLEGE OF ENGINEERING

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The College of Engineering offers undergraduate and graduate programs to prepare students for a broad spectrum of professional careers in engineering. The undergraduate programs of the College are designed to provide students with a sense of human values and the scientific/technical foundation necessary for a lifetime of continued learning.

The programs offered by the College of Engineering to meet the diverse requirements of the future cover the two areas of: *Professional Engineering* and *Applied Science*. The specific degrees and services offered are as follows.

- Bachelor of Science in Chemical Engineering (B.S.Ch.E.)
- Bachelor of Science in Civil Engineering (B.S.C.E.)
- Bachelor of Science in Computer Engineering (B.S.Cp.E.)
- Bachelor of Science in Electrical Engineering (B.S.E.E.)
- Bachelor of Science in Industrial Engineering (B.S.I.E.)
- Bachelor of Science in Mechanical Engineering (B.S.M.E.)
- Bachelor of Science in Computer Science (B.S.C.S.)
- Bachelor of Science in Information Systems (B.S.I.S.)

The Accreditation Board for Engineering and Technology, Inc. (ABET), formerly the Engineers' Council for Professional Development, has inspected and accredited the programs of the College of Engineering defined by the Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering and Mechanical Engineering. The Bachelor of Science program in Computer Science is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB).

The above spectrum of program offerings provides the prospective student with a choice of avenues depending upon individual interests, career objectives, and capabilities for a significant technological contribution. These programs are described in more detail under their respective catalog headings.

Laboratory experience as well as real-world participation in technological problem-solving is a key aspect of a professional engineer's college education. The College of Engineering, in implementing this need, augments its own modern laboratory and research facilities by close contact with the professional societies and the many industries in the metropolitan Tampa Bay area.

Students interested in particular programs offered by the College of Engineering should direct their inquiries to the College of Engineering Office of Advising.

## 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 (core) portion, designed to equip the prospective engineer with a broad base of fundamental technical knowledge. To this foundation is added the student's specialization (option) of sufficient depth to prepare him/her to successfully embark on a professional career.

The Bachelor of Science degrees offered in various engineering fields provide the student a broad education with sufficient technical background to effectively contribute in many phases of engineering not requiring the depth of knowledge needed for advanced design or research. However, while the baccalaureate degree is considered the minimum educational experience for participating in the Engineering profession, and as such is the first professional degree, students interested in design and research are strongly encouraged to pursue advanced work beyond the baccalaureate either at this or other institutions. It is becoming increasingly evident that a large segment of today's engineering professionals are involved in some form of post baccalaureate study. Engineers are earning advanced degrees to obtain the information and training necessary to meet effectively tomorrow's technological challenges.

All are faced with the continuing problem of 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.

The Bachelor of Science degree program (in a designated engineering field requires 136 semester hours) and the Master of Science degree in the same field may be pursued simultaneously in a program of 166 semester hours called the 5-Year Program. These programs are specifically designed to prepare an individual for a professional career as an engineer. These programs have as their foundation a core of subject material encompassing Humanities, Social Science, Mathematics, Science, and Engineering which is required of all students. In addition to the core subject material, each student will complete specialization studies in a designated field under the direction of one of the administrative departments of the College.

The engineering programs of the College have been developed with an emphasis on three broad aspects of engineering activity: design, research, and the operation of complex technological systems. Students who are interested in advanced design or research should pursue the 5-Year Program leading to a Master of Science in Engineering degree.

## Preparation for Engineering

Students planning to attend USF's College of Engineering should familiarize themselves thoroughly with the College's admissions standards and requirements, which are more stringent than the University's minimum entrance requirements.

The high school student anticipating a career in engineering should elect the strongest academic program that is available while in high school. Four years each of English, mathematics and science (preferably including Chemistry and Physics), as well as full programs in the social sciences and humanities, are most important to success in any engineering college.

Prospective students considering engineering at the University of South Florida who lack certain preparation in high school must elect to follow a program to overcome their deficiencies. One alternative might be that such a student take some remedial work and a less accelerated program as a Pre-Engineering student. The University of South Florida generally offers most required pre-engineering courses every semester. As another alternative, students may wish to avail themselves of the State's system of junior/community colleges which offer a wide range of remedial coursework, and many of which also offer full programs in pre-engineering (first two years' coursework).

Junior/community college students planning to transfer to the University of South Florida's engineering program at the junior level from a State of Florida operated college or university should follow a pre-engineering program leading to an A.A. degree. All transfer students should complete as much of the mathematics, science and engineering core coursework as is available to them. Transfer students should be aware that the College expects them to meet its admission requirements listed in this section under college regulations for graduation just as it expects its own students to meet these requirements. Junior/community college transfer students should note that in addition to freshman and sophomore level courses, required junior level courses are given each semester thus permitting full continuity in studies for the student. Junior/community college students intending to pursue an engineering program at USF should contact the adviser at their institution and request a course equivalency list.

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

The College of Engineering can assist students who are planning to obtain an Engineering degree from the University of South Florida and who have started their studies elsewhere in formulating a sound total program. Interested students should contact the College's Advising Office (813/974-2684) furnishing sufficient details to permit meaningful response.

## Undergraduate Admission to the College

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. Upon acceptance to the University, engineering will review necessary credentials and notify applicant of Engineering status.

USF students may apply through the Advising Office, in the College of Engineering. To be considered for admission to the College, an applicant must be accepted by the University as a degree-seeking student and be academically in good standing.

Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL score must be 550.

## Engineering Admission Requirements

### 1. Freshmen:

#### a. Test Scores:

SAT--composite of 1050 minimum with a minimum quantitative of 550.

ACT--composite of 25 minimum and mathematics of 25 minimum.

#### b. High School Mathematics: Should include sufficient algebra and trigonometry to enter Engineering Calculus I. Math Placement Test must be passed to enter Calculus I.

#### c. High School Grade Point Average of 2.5/4.0.

### 2. Transfer Students:

Transfer students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

CHM X045/X045L	General Chemistry I (with lab)
CHM X046/X046L	General Chemistry II (with lab)
PHY X048/X048L	General Physics and Laboratory I
PHY X049/X049L	General Physics and Laboratory II
MAP X302	Differential Equations
EGS 1113	Introduction to Design Graphics
MAC X281	Engineering Calculus I
or MAC X311	
MAC X282	Engineering Calculus II
or MAC X312	
MAC X283	Engineering Calculus III
or MAC X313	

## Admission to Programs in Engineering

Once a student has been admitted to the College of Engineering, he/she must then seek admission into one of the specific departments.

The minimum requirements for acceptance by the departments administering the Engineering programs in Chemical, Civil, Computer, Electrical, Industrial and Mechanical Engineering are:

1. Completion of English, Calculus, Differential Equations, Physics and Chemistry requirements.
2. Satisfactory completion of EGN 1002 - Engineering Orientation.
3. Completion of the following courses with either: a cumulative grade point average of 2.0 in these courses based on all attempts.

EGN 2210 - Computer Tools for Engineers

EGN 3311 - Statics

EGN 3343 - Thermodynamics I

EGN 3443 - Engineering Statistics I

EGN 3373 - Introduction to Electrical Systems I

The minimum requirements for admission to the Computer Engineering program offered by the Computer Science and Engineering Department are completion of sections 1 and 2 above and:

### 1. Completion of:

COP 2002 & COP 2000L - Intro to Computer Science and Lab

EGN 3311 - Statics

EGN 3343 - Thermodynamics I

EGN 3373 - Introduction to Electrical Systems I

EGN 3443 - Engineering Statistics I

with a minimum of 2.0 based on all attempts.

2. The minimum requirements for admission to the Computer Science program offered by the Computer Science and Engineering Department are completion of sections 1 and 2 above and completion of

COT 3100 - Discrete Structures

EGN 3373 - Introduction to Electrical Systems I

STA 4442 - Introduction to Probability

COP 2002 & COP 2000L - Intro to Computer Science and Lab

3. The minimum requirements for admission to the Information Systems program offered by the Computer Science and Engineering Department are completion of sections 1 and 2 above and the completion of:

COP 2002 & COP 2001 - Intro to Computer Science and Lab

COT 3100 - Discrete Structures

COP 2120 - COBOL I

EGN 2210 - Computer Tools for Engineers

STA 2023 - Introduction to Statistics

Students who fail to obtain a "C" grade on the first attempt must obtain a cumulative 2.0 G.P.A. based on all attempts.

Prior to being admitted to a department, a student may be permitted to take no more than two departmental engineering courses.

A student can have his or her academic records housed in a department and be advised by the department advisor prior to completing requirements for department admission if he or she so chooses. This type of student must still comply with all of the above-listed requirements prior to official acceptance by the department.

## Engineering Advising

Effective pursuit of engineering and engineering related studies requires careful attention to both the sequence and the type of courses taken. The engineering curriculum differs in key respects from the study plans of other majors - even in the freshmen year. It is, therefore, important, and the College requires, that each student plan his/her academic program and have it approved by a designated adviser in the College of Engineering.

New students must attend the University's Orientation program. They are assigned an engineering adviser during this program and receive advisement for their first semester at that time.

The student and adviser jointly work out a plan of study which meets both the student's career objectives and the College of Engineering's degree requirements. The advisers maintain the College of Engineering's student records.

Students not yet meeting departmental admissions requirements may elect to be advised by the general engineering advising office or the department of their intended specialization.

While the College provides advising services to assist students with academic planning, *the responsibility for seeing that all graduation requirements are met rests with the students.* \*A copy of the Student Academic Support System (SASS) report may be had upon request.

\*The College of Engineering requires all undergraduates to apply for graduation the semester prior to the anticipated graduation term. Necessary forms and instructions can be obtained in the Advising Office.

## Departments & Programs

The supervision of the academic programs for the College is the function of the six administrative departments together with several coordinators. The departments are responsible for the professional programs in engineering and engineering science. Each department is responsible for programs, faculty, laboratories and students assigned to it.



### Chemical Engineering

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, chemical reactors, instrumentation and process control, economics optimization, computer methods, computer aided design techniques, and process plant design. These courses, together with mathematics, physics, chemistry, other interdisciplinary engineering fundamentals, English, and liberal arts courses, provide the basis for long range professional progress. Because of the many professional areas available for employment to the chemical engineer, the students are also required to take a number of electives from areas such as biotechnology, materials, and environmental engineering. These electives are designed to broaden the experience, and, therefore, the employment possibilities of our graduates. The department administers the Bachelor of Science in Chemical Engineering (B.S.Ch.E.), the Master of Science in Chemical Engineering (M.S.Ch.E.), the Master in Chemical Engineering (MCHE), the Master of Engineering (M.E.), the Master of Science in Engineering (MSE), and the Doctor of Philosophy (Chemical and Engineering Science) (Ph.D.) degrees. The Chemical Engineering Department also offers a sequence of courses in Chemical Engineering Science, biotechnology and biomedical engineering.

### 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, and pharmaceutical engineering.

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

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

### Civil and Environmental Engineering

This department offers course work and study pertinent to Civil Engineering, Engineering Mechanics, Material Science, and Environmental Engineering. Areas of concentration are structural engineering, engineering mechanics, geotechnical engineering, transportation engineering, water resources engineering, materials and corrosion engineering, and environmental engineering. The department has a policy of mandatory academic advising of students for each school term. The department offers the undergraduate degree, Bachelor of Science in Civil Engineering (BSCE) and the following graduate degrees: Master of Science in Civil Engineering (MSCE), Master of Science in Engineering (MSE), Master of Science in Environmental Engineering (MSEV), Master of Civil Engineering (MCE), Master of Engineering (ME), Master of Environmental Engineering (MEVE), and Doctor of Philosophy (Ph.D.).

### Computer Science and Engineering

This department offers coursework and study in all areas fundamental to Computer Science, Computer Engineering, and Information Systems. Topics dealt with are computer architecture and hardware design, software engineering, computer system organization, operating systems, algorithms and data structures, computer graphics, user interface, computer networks, database systems, theory of computation and artificial intelligence.

The Department administers the baccalaureate degree programs in Computer Science, Computer Engineering and Information Systems; Master of Science degree programs in Computer Science and in Computer Engineering; and Ph.D. program in Computer Science and Engineering. Our research areas of faculty concentration are 1) computer architecture and VLSI design/testing, 2) artificial intelligence and expert systems, 3) graphics/image processing/computer vision, 4) database, 5) networks.

Computing facilities available to students in the Department include several microprocessor and design laboratories for hardware-oriented studies, personal computer laboratories for general use in programming assignments, and networked SUN and DEC workstations for use by majors. The Department also runs a research-oriented network consisting of an Intel Hypercube, a number of SUN, DEC, and IBM workstations, and special purpose image and graphics processors. In addition, the Department has access to a large IBM mainframe facility run by the University Computing Center.

### Electrical Engineering

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, systems analysis, digital circuit design, etc. Basic concepts are augmented with well-equipped laboratories in networks, electronics, digital systems, microwave techniques and communications. In addition, a general purpose computer facility, a microprocessor laboratory and a microelectronics fabrication laboratory are available to undergraduate and graduate students. The department administers the Bachelor of Science in Electrical Engineering (B.S.E.E.) degree program, as well as the Master of Science in Electrical Engineering (M.S.E.E.) and Master of Electrical Engineering (M.E.E.) programs which are also available to evening and off-campus students. As applicable, the department administers the M.E., M.S.E.S. and the Ph.D. in Electrical Engineering programs.

### Industrial and Management Systems Engineering

This department offers study pertinent to the design, evaluation and operation of a variety of industrial systems, ranging from the analysis of public systems to the operation of manufacturing plants. Topics include production planning and control, production and plant design, applied statistics, operations research, human factors and productivity, manufacturing, and automation. The department has excellent laboratory facilities which support class projects and research in microcomputer applications, computer-aided manufacturing, automation, and applications of robotics. The department administers the Bachelor of Science in Industrial Engineering (B.S.I.E.) degree program, as well as the Master of Science in Industrial Engineering (M.S.I.E.), Master of Industrial Engineering (M.I.E.) and Ph.D. in Industrial Engineering. Evening and off-campus programs are available through the Master of Science in Engineering Management (M.S.E.M.) program. The department also administers the Industrial option in the M.S.E., M.E., and M.S.E.S. programs, as well as the manufacturing option in the M.S.E. program.

### Mechanical Engineering

The department offers courses leading to the degrees of Bachelor of Science in Mechanical Engineering (B.S.M.E.), Master of Science in Mechanical Engineering (M.S.M.E.), Master of Mechanical Engineering (M.M.E.), Master of Science in Engineering (M.S.E.), and Doctor of Philosophy (Ph.D.). Coursework includes basic science and mathematics, thermal and fluid sciences, material science, solid mechanics, dynamics, machine design, vibrations, instrumentation and automatic control.

Graduates of this program are employed in research, design, production, marketing, service, installation (contracting), maintenance and operation in such industries as mining, petroleum, paper, food, power, manufacturing, air-conditioning, de-

fense 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.

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

### Engineering Core

Both the four-year and five-year curricula of the College of Engineering Bachelor of Science programs are founded on a common core of coursework which is required of all students. This coursework is designed to give each student a thorough foundation of knowledge on which specialization studies and a professional career can be based. Emphasis is placed on five key elements; development of communication skills, familiarity with the social sciences and humanities, a solid base in science and mathematics, a strong foundation in basic engineering sciences and applications and design experience in a field of specialization.

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 hours in each category will be approximately as follows:

Non-technical Courses	34 Sem. Hrs.
(Social Sciences, Humanities, Communications)	
Mathematics, Chemistry and Physics	35 Sem. Hrs.
(Minimum)	
Basic Engineering Science (Minimum)	36 Sem. Hrs.
Department Specialization	31 Sem. Hrs.
	136 Sem. Hrs.

Special requirements exist for Chemical Engineering. Students selecting this field should make sure they familiarize themselves with these. Detailed information can be obtained from the responsible department or the College's Advising Office.

### 1. Non-Technical Requirements

Prospective Engineering majors must take six hours of Freshman English (ENC 1101, 1102) in their first two semesters.

Additional coursework in the non-technical portion of the General Education requirements is required as specified in the individual curricula printed on pages which follow. In no case will credits be allowed for courses taken on an S/U basis.

A minimum of eight credit hours of non-technical General Education courses must be of 2000-level or higher.

Student should pick at least three hours of work which will satisfy 6A-10.30 (the "Gordon Rule"). It is required that non-technical studies have at least two courses (6 hours) taken in the same subject area, at least one of which must be at the 2000-level or higher, in either Humanities/Fine Arts or Social Sciences. Students transferring from other colleges without having met ABET depth and breadth requirements must take additional Social Sciences/Humanities courses at USF to meet this requirement.

It is desirable that at least 24 hours of this coursework be taken in the first two years. Students are responsible for checking with their advisers to be sure that the specific courses they are taking meet the requirements of the Bachelor of Science in Engineering degree program. Students who transfer from a State of Florida community college with an Associate of Arts degree who have met that college's General Education Requirement will normally find that their General Education coursework satisfies the major portion - but not all - of the Social Sciences and Humanities core requirement.

Credit by Examination can be obtained for some of this coursework. CLEP General Examination credit, acceptable to the University, is accepted for the areas of English Composition, Humanities and Social Sciences. Credit for CLEP Subject Examinations and CEEB Advanced Placement Tests can be

accepted when the subject covered is recognized to be equivalent to USF courses on the College of Engineering "Approved Social Sciences and Humanities Courses" list. Questions in this area should be directed to the Coordinator of Engineering Advising in the College's Advising Office.

### 2. Mathematics and Science Core Requirements

The student with a satisfactory high school preparation must take 35 credit hours of mathematics and science coursework. (Some credit towards this core requirement can be obtained by passing applicable CEEB Advanced Placement Tests or CLEP Subject Examinations.)

In mathematics this coursework consists of a Calculus for Engineers sequence (or a calculus sequence of equivalent level), Differential Equations, and additional hours of designated courses supportive of the student's selective field of specialization, as specified by the department. In the science coursework students must take the Physics with Calculus sequence and the General Chemistry sequence.

Students whose high school preparation is insufficient to enter the Calculus for Engineers are required to take supplementary algebra and trigonometry prior to being considered for acceptance into the College. All students must take the math placement test.

### 3. Engineering Core Requirements

The prospective engineering major must take a minimum of 35 credit hours of engineering core (foundation) coursework drawn from the major disciplines. This coursework is designed to equip the student with a sound technical foundation for later, more advanced specialized coursework and the eventual formation of professional judgment. This coursework includes introductory studies in such areas as engineering analysis and computation, statistics, electrical engineering principles, thermodynamics, statics, dynamics, fluids, and properties of materials.

All but 6 credit hours of the engineering core are common to all areas of the Bachelor of Science in a Designated Engineering Field degree programs. The remaining 6 credit hours of coursework must be chosen with the concurrence of the departmental adviser to fit the field selected by the student. Details on this selection are available in the departmental office of the field selected, or in the College's Advising Office.

## ■ FOUR-YEAR PROGRAM -- BACHELOR OF SCIENCE IN DESIGNATED ENGINEERING FIELD DEGREE

These engineering degrees are awarded upon successful completion of a program consisting of the required three areas of core coursework--minimum of 101 credit hours--which are described above, and an additional 35 credit hours of coursework in a designated field of specialization. Details covering specific fields are available on request from the responsible department, or from the College's Advising Office.

Programs are offered in the following disciplines of Engineering:

### 1. Chemical Engineering

Students pursuing the Bachelor of Science in Chemical Engineering take coursework in advanced chemistry, thermodynamics, fluids, heat, and mass transfer, separation processes, reacting systems, instrumentation, and control. Students must also satisfactorily complete a design project as part of their program. Students seeking the biotechnology/biomedical certificate are also required to take additional courses in general biology, microbiology, and biochemistry. Special characteristics of the Chemical Engineering curriculum make it imperative that the students retain close contact with their adviser.

Students completing this program normally initiate their careers in process/manufacturing industries. Chemical engineers are found in administrative, technical, and research positions in these industries. Main products of these industries



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are petrochemicals, polymers, fibers, natural and synthetic fuels, electronic materials, fertilizers, pharmaceuticals, etc.

Solution of modern societal and scientific problems often require the use of chemical engineering skills. A course sequence for chemistry majors, (ECH 3702, ECH 4123C and ECH 4415C), as well as physics majors, (ECH 3702, ECH 3264C, and ECH 4265C), is suggested. These courses will add a strong chemical engineering science background to those degrees. Chemical Engineering students are expected to have access to an IBM compatible personal computer during their last two years of study. Those who do not own one will be severely disadvantaged.

The schedule which follows indicates how a serious student who can devote full time to coursework can satisfy requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan a slower pace.

## Bachelor's Curriculum - Chemical Engineering

### Semester I

ENC 1101	Freshman English I	3
MAC 2281	Engineering Calculus I	3
CHM 2041	General Chem. I	3
EGN 1002	Engineering Orientation	0
*Historical Perspectives Elective		3
*Fine Arts Elective		3
		15

### Semester II

ENC 1102	Freshman English II	3
MAC 2282	Engineering Calculus II	3
CHM 2046	General Chem. II	3
CHM 2045L	Gen Chem I Lab	1
PHY 2048	General Physics I	3
PHY 2048L	Gen. Physics Lab I	1
*ALAMEA Perspective Elective		3
		17

### Summer Term

MAC 2283	Engineering Calculus III	3
EGN 3311	Statics	3
CHM 2046L	Gen. Chem II Lab	1
PHY 2049	Gen. Physics II	3
PHY 2049L	Gen. Physics Lab II	1
		11

### Semester III

MAP 2302	Differential Equations	3
EGN 3373	Electrical Systems I	3
EGN 2210	Computer Tools for Engineers	3
EGN 3343	Thermodynamics I	3
EGN 3443	Statistics	3
*Social Science Elective		3
		18

### Semester IV

EGN 4450	Intro. to Linear Systems	2
EGN 3365	Materials	3
ECH 3702	Instrument Systems I	4
ECH 3023	Intro. to Process Eng	3
*Historical Perspectives Elective		3
		15

### Semester V

ECH 3264C	Transport Processes I	3
ECH 4123C	Phase & Chemical Equilibria	3
CHM 2210	Organic Chemistry I	4
CHM 2210L	Organic Chemistry I Lab	2
CHM 4412	Physical Chemistry III	3
		15

### Semester VI

ECH 4265C	Transport Processes II	3
CHM 2211	Organic Chemistry II	4
ECH 4605	Strat Proc Engr	3
ENC 4931	Engineering Communications	3
MW-MI (Non-engineering)		3
		16

### Semester VII

ECH 4323C	Automatic Controls I	3
ECH 4415C	Reacting Systems	3
ECH 4244L	Chem. Lab II	2
MW-MI (Engineering)		3
**Chemistry Elective		3
		14

### Semester VIII

ECH 4615C	Plant Design and Opt	3
Technical Electives		9
*Social Science Elective		3
		15

\*Approved General Education Requirements

\*\*Not from Chem 2XXX, 3400, 3401, 3402, 4070, 4905, 4932, 4970

## • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

### Math

USF	C/C
MAC 2281	MAC 2311 (3)
MAC 2282	MAC 2312 (3)
MAC 2283	MAC 2313 (3)
Differential Equations	
MAP 2302	MAP 2302 (3)

### Chemistry

USF	C/C
CHM 2041	CHM 1045 (3)
CHM 2045L	CHM 1045L (1)
CHM 2046	CHM 1046 (3)
CHM 2046L	CHM 1046L (1)

### Physics

USF	C/C
PHY 2048	PHY 2048 (3)
PHY 2048L	PHY 2048L (1)
PHY 2049	PHY 2049 (3)
PHY 2049L	PHY 2049L (1)

### Fortran

USF	C/C
EGN 2210	COP 2202 (3)

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

**Procedures for Applying to the College of Engineering**

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

**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.

**2. Civil and Environmental Engineering**

Students pursuing the Bachelor of Science in Civil Engineering program take designated engineering mechanics, civil engineering, and environmental engineering course work. This course work is supplemented by electives and courses in one of the following areas of concentration:

- Environmental Engineering - courses in water and wastewater treatment, air pollution control, and environmental unit operations and unit processes.
- Water Resources - courses in water resources engineering, environmental unit operations, and air pollution control.
- Geotechnical/Transportation engineering - courses in soil mechanics, transportation, matrix structural analysis, cement and concrete design, and air pollution control
- Materials - courses in materials and corrosion.
- Structural engineering - courses in matrix structural analysis, timber and masonry design, structural modeling, Cement and concrete design, and corrosion of engineering materials.

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

Students completing the program may enter the profession as engineers in the civil, structural, geotechnical, transportation, water resources, environmental, hydraulics, or materials discipline. All of these disciplines share the need for knowledge in the areas of engineering mechanics, civil engineering, material science, and environmental engineering. Through choice of the proper area of concentration, a student has the opportunity to channel academic studies specifically towards his/her career choice.

Graduates of the program may commence their engineering careers in either industry, in engineering consulting firms, or in public service at the federal, state, or local level. Initial assignments may include planning, design and implementation of water resources systems; planning and design of transportation and housing systems; regional planning, design, and management for abatement of air, water, and solid waste pollution problems; design of bridges and single and multistory structures; and supervision of construction projects.

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.

**An additional graduation requirement is that graduating seniors must take the Fundamentals of Engineering Examination.**

**Bachelor's Curricula - Civil Engineering Option****Semester I**

ENC 1101	Freshman English I	3
MAC 2281	Engr. Calculus I	3
CHM 2041	General Chemistry I	3
EGN 1002	Engr. Orientation	0
EGS 1113	Intro. Design Graphics	3
*Social Science Elective		3
		15

**Semester II**

ENC 1102	Freshman English II	3
MAC 2282	Engr. Calculus II	3
CHM 2046	General Chemistry II	3
CHM 2045L	Gen. Chemistry I Lab	1
PHY 2048	General Physics I	3
PHY 2048L	Gen. Physics I Lab	1
*Social Science Elective		3
		17

**Summer Term**

ENG 2210	Computer Tools for Engineers	3
*Social Science Elective		3
*Historical Perspectives Elective		3
		9

**Semester III**

PHY 2049	General Physics II	3
PHY 2049L	Gen. Physics II Lab	1
MAC 2283	Engr. Calculus III	3
EGN 3311	Statics	3
*Historical Perspectives Elective		3
*Fine Arts Elective		3
		16

**Semester IV**

MAP 2302	Differ. Equations	3
EGN 3321	Dynamics	3
EGN 3343	Thermodynamics I	3
EGN 3443	Eng. Statistics	3
EGN 3365	Materials	3
		15

**Semester V**

EGN 3353	Fluid Mechanics	3
EGN 3331	Mechanics of Materials	3
EGN 3331L	Mechanics of Materials Lab	1
EGN 3373	Intro to Electrical Systems	3
TTE 4004	Transportation	3
*ALAMEA Perspective Elective		3
		16

**Semester VI**

CES 3102	Structures	3
CWR 4202	Hydraulics	3
ENV 3001	Environmental Engr.	3
GLY 3850	Geology for Engineers	3
EGN 3613	Engineering Economy	3
ENC 4931	Engineering Communication	3
		18

**Semester VII**

CES 4605	Concepts of Steel Design	3
CES 4702	Concepts of Concrete Design	3
CEG 4011	Soil Mechanics	3
CEG 4011L	Geotech Lab	1
C.E. Concentration Requirement		3
C.E. Concentration Requirement		3
		16

**Semester VIII**

CGN 3021L	C.E. Lab	2
*CGN 4122C	Engr. Contracts Specs. & Ethics (MW/MI)	3



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C.E. Capstone Design Requirement	3
C.E. Concentration Requirement	3
*MW/MI (Non-Engineering)	3
	14

\*Approved General Education Requirements

## Civil Engineering Concentration Requirements

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

### Water Resources

ENV 4502	Environmental Unit Operations	3
ENV 4101	Air Pollution Control	3
CWR 4103	Water Resources Engineering	3

### Geotechnical/Transportation

CEG 4012	Soil Mechanics II	3
TTE 4005	Transportation Engineering II	3
CGN 4851	Cement and Concrete Design	3
CES 4141	Matrix Structural Analysis	3
ENV 4101	Air Pollution Control	3

### Materials

EGN 4366	Materials Engineering II	3
EMA 4324	Corrosion of Engineering Materials	3
CGN 4851	Cement and Concrete Design	3

### Structural

CES 4141	Matrix Structural Analysis	3
CES 4820	Timber & Masonry Design	3
CES 4561	Computer Aided Structural Design	3
CGN 4851	Cement and Concrete Design	3
EMA 4324	Corrosion of Engineering Materials	3

## Civil Engineering Design Requirements

A student must complete the capstone design course in his/her area of concentration.

### Water Resources

CWR 4821	Capstone Water Resources Design	3
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### Geotechnical/Transportation

CEG 4850	Capstone Geotechnical/Transportation Design	3
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### Materials

CES 4650	Capstone Materials Design	3
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### Structural

CES 4604	Capstone Structural Design	3
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## Environmental Engineering Concentration Within Civil Engineering

### Semester I

ENC 1101	Freshman English I	3
MAC 2281	Engr. Calculus I	3
CHM 2041	General Chemistry I	3
EGS 1113	Intro. to Des. Graphics	3
EGN 1002	Engr. Orientation	0
*Approved Elective		3
		15

### Semester II

ENC 1102	Freshman English II	3
MAC 2282	Engr. Calculus II	3
CHM 2046	General Chemistry II	3
PHY 2048	General Physics I	3
PHY 2048L	General Physics I Lab	1
*Historical Perspectives Elective		3
		16

### Summer Term

ENG 2210	Computer Tools for Engineers	3
*Social Science Elective		3

*Historical Perspectives Elective	3
	9

### Semester III

MAC 2283	Engr. Calculus III	3
PHY 2049	General Physics II	3
PHY 2049L	General Physics II Lab	1
EGN 3311	Statics	3
ENV 4400	Chem. Aspects of Environmental Engineering	3
		16

\*Social Science Elective

### Semester IV

MAP 2302	Differ. Equations	3
EGN 3343	Thermodynamics I	3
EGN 3373	Intro. to Elect. Sys. I	3
EGN 3443	Engr. Statistics I	3
EGN 3365L	Materials Engr. I	3
		15

### Semester V

EGN 3321	Dynamics	3
EGN 3331	Mechanics of Materials	3
EGN 3331L	Mech. of Materials Lab	1
EGN 3353C	Basic Fluid Mechanics	3
ENV 3001	Environmental Engr.	3
*ALAMEA Perspectives Elective		3
		16

### Semester VI

CES 3102	Structures	3
CWR 4202	Hydraulics	3
ENV 4502	Environmental Unit Operation	3
EGN 3613	Engineering Economy	3
ECH 3023	Intro. to Process Engr.	3
ENV 4004	Env. Engr. Laboratory	1
		16

### Semester VII

CEG 4011	Soil Mechanics I	3
CEG 4211	Geotech. Laboratory	1
CES 4606	Concepts of Structural Design	3
ENC 4931	Engineering Communication	3
ENV 4552	Unit Ops. & Processes Lab	1
ENV 4503	Unit Processes	3
TTE 4004	Transportation	3
		17

### Semester VIII

CGN 4122C	Engr. Contracts Specs. and Ethics	3
ENV 4101	Air Pollution	3
ENV 4450	Capstone Design	4
*Fine Arts Elective		3
*MW/MI (Non-Engineering)		3
		16

\*Approved General Education Requirements

## • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

<b>Math</b>		<p>Graduates from these programs follow fruitful careers in 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 VSLI design, artificial intelligence, software engineering, digital data communications, robotics, database, networks, user interface, fault-tolerant computing and testing, computer graphics, image processing and computer vision, and simulation.</p> <p>The schedules which follow indicate how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.</p>
<b>Calculus</b>		
<b>USF</b>	<b>C/C</b>	
MAC 2281	MAC 2311 (3)	
MAC 2282	MAC 2312 (3)	
MAC 2283	MAC 2313 (3)	
<b>Differential Equations</b>		
MAP 2302	MAP 2302 (3)	
<b>Chemistry</b>		
<b>General</b>		
<b>USF</b>	<b>C/C</b>	
CHM 2041	CHM 1045 (3)	
CHM 2045L	CHM 1045L (1)	
CHM 2046	CHM 1046 (3)	
CHM 2046L	CHM 1046L (1)	
<b>Physics</b>		
<b>USF</b>	<b>C/C</b>	
PHY 2048	PHY 2048 (3)	
PHY 2048L	PHY 2048L (1)	
PHY 2049	PHY 2049 (3)	
PHY 2049L	PHY 2049L (1)	
<b>Graphics</b>		
<b>USF</b>	<b>C/C</b>	
EGS 1113	EGS 1111 (3)	
<b>Fortran</b>		
<b>USF</b>	<b>C/C</b>	
EGN 2210	COP 2202 (3)	

### Bachelor of Science in Computer Science Curriculum

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

### Procedures for Applying to the College of Engineering

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

### 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.

### 3. Computer Science and Engineering

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

The Computer Engineering program emphasizes the design and utilization of computers and has a core of engineering and basic science courses like those of other engineering programs in the college. The Computer Science program focuses on languages, systems, and computation and application. The Information Systems Track emphasizes the understanding and development of software with an emphasis on business and end-user applications.

### Bachelor of Science in Computer Science Curriculum

<b>Semester I</b>		
EGN 1002	Engr. Orientation	0
MAC 2281	Engr. Calculus I	3
*Science Elective		3
ENC 1101	Freshman English I	3
*Social Science Elective		3
*Historical Perspectives Elective		3
		15
<b>Semester II</b>		
MAC 2282	Engr. Calculus II	3
PHY 2048	Physics I	3
PHY 2048L	Physics I Lab	1
*Science Elective		3
ENC 1102	Freshman English II	3
*Social Science Elective		3
		16
<b>SummerTerm</b>		
PHY 2049	Physics II	3
PHY 2049L	Physics II Lab	1
MAC 2283	Engr. Calculus III	3
*Historical Perspectives Elective		3
		10
<b>Semester III</b>		
EGN 3373	Elect. Sys. I	3
COT 3100	Intro. to Discrete Structures	3
ENC 4931	Engineering Communications	3
EGN 3613	Engr. Economy	3
MAP 2302	Diff. Equations	3
		15
<b>Semester IV</b>		
Non-technical Elective		3
STA 4442	Intro. to Probability	3
MAS 2103	Linear Algebra	3
COP 2002	Intro to Computer Science	3
COP 2000L	Intro to Computer Science Lab	1
*ALAMEA Perspective Elective		3
		16
<b>Semester V</b>		
EEL 4851C	Data Structures	3
EEL 4705	Logic Design	3



EEL 4705L	Logic Design Lab	1
COP 2510	Programming Concepts	3
Quantitative Elective		3
*Fine Arts Elective		3
		16

**Semester VI**

CDA 4100	Computer Organization and Architecture	3
COT 4210	Intro. to Automata Theory	3
*MW/MI (Non-engineering)		3
Computer Science Elective		6
		15

**Semester VII**

EEL 4744	Microprocessor Principles & Applications	3
EEL 4743L	Microprocessor Lab	1
COP 4600	Operating Systems	3
COT 4400	Analysis of Algorithms	3
Computer Science Elective		6
		16

**Semester VIII**

CEN 4020	Software Engr.	3
CIS 4250	Ethical Issues (MW/MI)	3
Quantitative Elective		3
Computer Science Electives		6
		15

\*Approved General Education Requirements

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

<b>Math</b>	
Calculus	
USF	C/C
MAC 2281	MAC 2311 (3)
MAC 2282	MAC 2312 (3)
MAC 2283	MAC 2313 (3)
Differential Equations	
MAP 2302	MAP 2302 (3)
<b>Physics</b>	
USF	C/C
PHY 2048	PHY 2048 (3)
PHY 2048L	PHY 2048L (1)
PHY 2049	PHY 2049 (3)
PHY 2049L	PHY 2049L (1)
<b>Science Electives (6)</b>	
<b>Fortran</b>	
USF	C/C
EGN 2210	COP 2202 (3)

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**Procedures for Applying to the College of Engineering**

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

**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.

**Bachelor of Science  
in Computer Engineering Curriculum**

**Semester I**

EGN 1002	Engr. Orientation	0
MAC 2281	Engr. Calculus I	3
CHM 2041	General Chemistry I	3
CHM 2045L	General Chemistry I Lab	1
ENC 1101	Freshman English I	3
*Social Science Elective		3
*Historical Perspectives Elective		3
		16

**Semester II**

MAC 2282	Engr. Calculus II	3
PHY 2048	General Physics I	3
PHY 2048L	General Physics I Lab	1
ENC 1102	Freshman English II	3
CHM 2046	General Chemistry II	3
*Historical Perspectives Elective		3
		16

**Summer Term**

PHY 2049	General Physics II	3
PHY 2049L	General Physics II Lab	1
MAC 2283	Engr Calculus III	3
*Social Science Elective		3
		10

**Semester III**

EGN 3373	Elect. Sys. I	3
COT 3100	Intro. to Discrete Structures	3
MAP 2302	Diff. Equations	3
EGN 3343	Thermo I	3
EGN 3311	Statics	3
ENC 4931	Engineering Communications	3
		18

**Semester IV**

EEL 3302	Electronics I	3
EGN 3321	Dynamics	3
COP 2002	Intro to Computer Science	3
COP 2000L	Intro to Computer Science Lab	1
EGN 4450	Intro to Linear Systems	2
EGN 3443	Engr. Statistics I	3
		15

**Semester V**

EGN 3365L	Materials Engr. I	3
EEL 4851C	Data Structures	3
EGN 3613	Engr. Economy I	3
EEL 4705	Logic Design	3
EEL 4705L	Logic Design Lab	1
EEL 4305	Electronics II	3
		16

**Semester VI**

CDA 4100	Computer Organization & Architecture	3
COP 2510	Programming Concepts	3
COT 4210	Intro. to Automata Theory	3
*Fine Arts Elective		3
Computer Engineering Elective		3
		15

**Semester VII**

EEL 4744	Microprocessor Principles and Applications	3
EEL 4743L	Microprocessor Lab	1
COP 4600	Operating Systems	3
Computer Engineering Elective		3
*ALAMEA Perspective Elective		3
*MW/MI (Non-engineering)		3
		16

**Semester VIII**

EEL 4748	Microprocessor Based System Design and Application	3
CDA 4203	Comp. Sys. Design	3
EEL 4303L	Computer Sys Design Lab	1
CIS 4910	Comp. Engr. Project	2
Computer Engineering Elective		3
CIS 4250	Ethical Issues (MW/MI)	3
		15

\*Approved General Education Requirements

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

**Math**

<b>Calculus</b>	
<b>USF</b>	<b>C/C</b>
MAC 2281	MAC 2311 (3)
MAC 2282	MAC 2312 (3)
MAC 2283	MAC 2313 (3)
<b>Differential Equations</b>	
MAP 2302	MAP 2302 (3)

**Chemistry**

<b>General</b>	
<b>USF</b>	<b>C/C</b>
CHM 2041	CHM 1045 (3)
CHM 2045L	CHM 1045L (1)
CHM 2046	CHM 1046 (3)
CHM 2046L	CHM 1046L (1)

**Physics**

<b>USF</b>	<b>C/C</b>
PHY 2048	PHY 2048 (3)
PHY 2048L	PHY 2048L (1)
PHY 2049	PHY 2049 (3)

PHY 2049L	PHY 2049L (1)
Fortran	
<b>USF</b>	<b>C/C</b>
EGN 2210	COP 2202 (3)

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**Procedures for Applying to the College of Engineering**

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**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.

**Bachelor of Science in Information Systems Curriculum****Semester I**

EGN 1002	Engr. Orientation	0
ENC 1101	Freshman English I	3
MAC 2233	Elementary Calculus I	4
ACG 2001	Elem. Accounting I	3
*Historical Perspective Elective		3
		13

**Semester II**

ENC 1102	Freshman English II	3
MAC 2234	Elementary Calculus II	4
PHY 2053 or 2048	Physics I	3
PHY 2053L or 2048L	Physics I Lab	1
ENG 3613	Engineering Economy I	3
		14

**Summer Term**

PHY 2054 or 2049	General Physics II	3
PHY 2049L or 2054L	Physics II Lab	1
EGN 2210	Computer Tools for Engineers	3
*Science Elective		3
		10

**Semester III**

COT 3100	Intro. to Discrete Structures	3
COP 2120	COBOL Programming I	3
ECO 2023	Economic Principles (Microeconomics)	3
STA 2023	Intro. to Statistics	4
*Social Science Elective		3
		16

**Semester IV**

COP 2002	Intro. to Computer Science	3
COP 2000L	Intro. to Computer Science Lab	1
EGN 4450	Intro. to Linear Systems	2



ECO 2013	Economic Principles (Macroeconomics)	3
*Social Science Elective		3
*Historical Perspectives Elective		3
		15

**Semester V**

EEL 4851C	Data Structures	3
EEL 4705	Logic Design	3
MAN 3025	Principles of Mgmt	3
CEN 4020	Software Engineering	3
COP 2510	Programming Concepts	3
		15

**Semester VI**

EEL 4852C	Data Base Systems	3
ENC 4931	Engineering Communication	3
CIS 4930	Software Design Methodologies	3
Information Systems Elective		7
		16

**Semester VII**

COP 4600	Operating Systems	3
EEL 4781C	Dist. Proc. & Computer Networks	3
CIS 4930	Applications Development	3
*ALAMEA Perspective Elective		3
*Fine Arts Elective		3
		15

**Semester VIII**

CIS 4910	Computer Science Project	2
CIS 4930	Computer Simulation	3
CIS 4250	Ethical Issues	3
*MW/MI (Non-Engineering)		3
Information Systems Elective		3
		14

\*Approved General Education Requirements

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

<b>Math</b>	
Calculus	
USF	C/C
MAC 2233	MAC 2233 (3)
MAC 2234	MAC 2234 (3)
Statistics	
STA 2023	STA 2023 (3)
<b>Physics</b>	
General	
USF	C/C
PHY 2053	PHY 2053 (3)
PHY 2053L	PHY 2053L (1)
PHY 2054	PHY 2054 (3)
PHY 2054L	PHY 2054L (1)
Science Electives (6)	
<b>Business Courses</b>	
USF	C/C
ACG 2001	ACG 2001 (3)
Economics	
ECO 2013	ECO 2013 (3)

ECO 2023	ECO 2023 (3)
Fortran	
USF	C/C
EGN 2210	COP 2202 (3)
Cobol	
COP 2120	COP 2120 (3)

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

**Procedures for Applying to the College of Engineering**

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

**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.

**4. Electrical Engineering**

Students pursuing the Bachelor of Science in Electrical Engineering program take designated coursework in network analysis, electronics, communications, electromagnetic theory, control systems, microelectronics and microprocessors. This coursework is supplemented by electives in many specialized areas of electrical engineering.

Students completing this program normally pursue industrial careers in the power, electrical, electronic, or information industries or in related governmental laboratories and public service agencies. The electrical graduate may apply his/her knowledge to such diverse areas as television, communications, remote guidance, sensing (of people, vehicles, weather, crops, etc.), automation, computer and information systems, electric power generation and transmission, electrically propelled transportation, etc. The graduate may do this by performing needed engineering functions related to research and development (often requires an advanced degree), design, production, operation, sales, or management of these products/services.

The schedule which follows indicates how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace. A minimum departmental GPA of 2.0 is required for graduation.

**Bachelor's Curriculum - Electrical Engineering**

<b>Semester I</b>		
ENC 1101	Freshman English I	3
CHM 2041	Gen. Chem. I	3
CHM 2045L	Gen. Chem. Lab	1
MAC 2281	Engr. Calculus I	3
*EGN 1002	Engr. Orientation	0
**Social Science Elective		3
**Historical Perspective Elective		3
		16

**Semester II**

ENC 1102	Freshman English II	3
CHM 2046	Gen. Chem. II	3
PHY 2048	Gen. Phys. I	3
PHY 2048L	Gen. Phys. I Lab	1
MAC 2282	Engr. Cal. II	3
*EGN 2210	Computer Tools for Engineers	3
		16

**Semester III**

PHY 2049	Gen. Phys. II	3
PHY 2049L	Gen. Phys. II Lab	1
MAC 2283	Eng. Calculus III	3
EGN 3613	Egr. Economy I	3
*EGN 3311	Statics	3
**Historical Perspective Elective		3
		16

**Semester IV**

MAP 2302	Differ. Equations	3
PHY 3101	Modern Physics	3
*EGN 3373	Intro. to Elec. Sys. I	3
*EGN 3443	Engr. Statistics I	3
*EGN 3343	Thermodynamics I	3
**Social Science Elective		3
		18

**Summer Term**

EGN 3375	Intro. to Elec. Systems III	3
ENC 4931	Engineering Communications	3
EGN 3365L	Materials Engineering	3
		9

**Semester V**

EGN 4450	Intro. to Linear Systems	2
EEL 4935	Intro to Electromagnetics	3
EEL 3100	Network Analysis & Design	3
EEL 3302	Electronics I	3
*ALAMEA Perspective Elective		3
ELR 4937	Wireless Cir Sys Des Lab	2
		16

**Semester VI**

EEL 4102	Linear Systems Analysis	3
EEL 4351	Semiconductor Devices	3
EEL 4705	Logic Design	3
EEL 4705L	Logic Design Lab	1
EEL 4163	Computer Aided Design	2
ELR 3301L	Lab I (Circuits)	1
*MW/MI (Non-engineering)		3
		16

**Semester VII**

EEL 4744	Microprocessors	3
EEL 4743L	Microprocessors Lab	1
ELR 3302L	Lab II (Electronics)	1
EEL 4906	Intro. to Engr. Design	2
*Fine Arts Elective		3
Approved Technical Elective		4
		14

**Semester VIII**

EEL 4936	Design Project	3
EGN 4831	Technology in Society (MWMI Engr.)	3
Approved Technical Elective		3
Approved Technical Elective		3
Approved Technical Elective		3
		15

\*Required for admissions to the Electrical Engineering Department

\*\*Approved General Education Requirements

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

**Math****Calculus**

USF	C/C
MAC 2281	MAC 2311 (3)
MAC 2282	MAC 2312 (3)
MAC 2283	MAC 2313 (3)
Differential Equations	
MAP 2302	MAP 2302 (3)

**Chemistry****General**

USF	C/C
CHM 2041	CHM 1045 (3)
CHM 2045L	CHM 1045L (1)
CHM 2046	CHM 1046 (3)

**Physics**

USF	C/C
PHY 2048	PHY 2048 (3)
PHY 2048L	PHY 2048L (1)
PHY 2049	PHY 2049 (3)
PHY 2049L	PHY 2049L (1)

**Fortran**

USF	C/C
EGN 2210	COP 2202 (3)

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**Procedures for Applying to the College of Engineering**

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

**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.

**5. Industrial and Management Systems Engineering**

Students pursuing the Bachelor of Science in Industrial Engineering degree program take designated, specialized



coursework in industrial processes, work analysis, production control, facilities design, operations research, human factors, computer simulation, quality control, and robotics and automation. This coursework is supplemented by engineering electives and comprehensive industrial engineering design projects.

Students completing this program are prepared for graduate study or for careers in a broad range of industries, business, and public service areas. The strength of industrial engineering lies, in part, in its breadth and the applicability of its common body of knowledge in a wide variety of enterprises. Students may be involved in traditional areas of manufacturing and production, or state-of-the-art functions in automation and robotics. The same engineering principles are also applied to business organizations, service delivery systems, 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.

### Bachelor's Curriculum Industrial and Management Systems Engineering

#### Semester I

ENC 1101	Freshman English I	3
MAC 2281	Engr. Calculus I	3
CHM 2041	General Chemistry I	3
EGN 1002	Engr. Orientation	0
EGS 1113	Intro. to Design Graphics	3
*Fine Arts Elective		3
*Social Science Elective		3
		18

#### Semester II

ENC 1102	Freshman English II	3
MAC 2282	Engr. Calculus II	3
CHM 2046	General Chemistry II	3
CHM 2045L	Gen. Chemistry I Lab	1
PHY 2048	General Physics I	3
PHY 2048L	Gen. Physics I Lab	1
EGN 2210	Computer Tools for Engineers	3
		17

#### Semester III

PHY 2049	General Physics II	3
PHY 2049L	Physics II Lab	1
MAC 2283	Engr. Calculus III	3
EGN 3365L	Materials Engineering I	3
EGN 3311	Statics	3
EGN 3443	Eng. Statistics I	3
		16

#### Semester IV

MAP 2302	Differ. Equations	3
EGN 3373	Intro. to Electrical Systems I	3
EGN 3321	Dynamics	3
EGN 3343	Thermodynamics I	3
*Social Science Elective		3
		15

#### Summer Term

ENC 4931	Engineering Communications	3
ENG 3613	Engineering Economy	3
EGN 4450	Intro. to Linear Systems	2
*Science Elective		3
		11

#### Semester V

EIN 4312L	Work Analysis	3
EGN 3375	Intro. to Electrical Systems III	3
EIN 4411L	Manufacturing Processes	3
EIN 4933	Managerial Cost Accounting	3
ESI 4312	Deterministic O.R.	3
		15

#### Semester VI

ESI 4313	Probabilistic O.R.	3
EIN 4313L	Human Factors	3
EIN 4601	Automation and Robotics	3
EIN 4333	Production Control	3
*Historical Perspectives Elective		3
		15

#### Semester VII

ESI 4224	Design of Experiments	3
ESI 5423	Industrial Systems Simulation	3
EIN 4364L	Facilities Design I	3
*Historical Perspectives Elective		3
*ALAMEA Perspective Elective		3
		15

#### Semester VIII

ESI 4911	Senior Project	2
EIN 4365L	Facility Design II (MW/MI)	3
ESI 4221	Industrial Statistics & Quality Control	3
Technical Elective		3
*MW/MI (Non-Engineering)		3
		14

\*Approved General Education Requirements

#### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

Math	
Calculus	
USF	C/C
MAC 2281	MAC 2311 (3)
MAC 2282	MAC 2312 (3)
MAC 2283	MAC 2313 (3)
Differential Equations	
MAP 2302	MAP 2302 (3)
Chemistry	
General	
USF	C/C
CHM 2041	CHM 1045 (3)
CHM 2045L	CHM 1045L (1)
CHM 2046	CHM 1046 (3)
Physics	
USF	C/C
PHY 2048	PHY 2048 (3)
PHY 2048L	PHY 2048L (1)
PHY 2049	PHY 2049 (3)
PHY 2049L	PHY 2049L (1)
Graphics	
USF	C/C
EGS 1113	EGS 1111 (3)
Fortran	
USF	C/C
EGN 2210	COP 2202 (3)

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**Procedures for Applying to the College of Engineering**

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

**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.

**6. Mechanical Engineering**

Students pursuing the Bachelor of Science in Mechanical Engineering program take coursework in thermodynamics and heat transfer; instrumentation and measurements, energy conversion systems, solid and fluid mechanics, dynamics, machine analysis and design, mechanical design, controls, and fluid machinery. This is supplemented by elective coursework in such areas as power plant analysis, refrigeration and air conditioning, mechanical design, advanced mechanics, heat transfer, robotics, propulsion, vibrations, computer-aided design, manufacturing, composite materials, and aerodynamics.

Students completing this program normally enter careers in a wide range of industries which either produce mechanical products or rely on machines, mechanical devices and systems to produce electricity, petroleum products, foods, textiles, building materials, etc. Mechanical Engineering graduates may follow careers in such fields as transportation, power generation, manufacturing, instrumentation, automatic control, machine design, construction, refrigeration, heating and air conditioning, aerospace, defense and all the process industries (foods, textiles, petrochemicals, pharmaceuticals, etc.). There are abundant career opportunities in this wide range of industries because mechanical equipment is required in every aspect of industrial production.

**Bachelor's Curriculum  
Mechanical Engineering****Semester I**

ENC 1101	Freshman English I	3
MAC 2281	Engineering Calculus I	3
CHM 2041	General Chemistry I	3
CHM 2045L	Chemistry Lab I	1
EGS 1113	Intro. to Design Graphics	3
ENG 1002	Engineering Orientation	0
*Social Science Elective		3
		16

**Semester II**

ENC 1102	Freshman English II	3
MAC 2282	Engineering Calculus II	3
CHM 2046	General Chemistry II	3
CHM 2046L	General Chemistry II Lab	1
PHY 2048	General Physics I	3
PHY 2048L	General Physics I Lab	1
*Historical Perspectives Elective		3
		17

**Summer Term**

MAC 2283	Engineering Calculus III	3
PHY 2049	General Physics II	3
PHY 2049L	General Physics II Lab	1
EGN 2210	Computer Tools for Engineers	3
		10

**Semester III**

EGN 3311	Statics	3
EGN 3443	Engineering Statistics	3
MAP 2302	Differential Equations	3
EGN 3343	Thermodynamics I	3
EGN 3373	Intro. to Electrical Systems I	3
		15

**Semester IV**

EGN 4450	Intro. to Linear Systems	2
EGN 3321	Dynamics	3
EML 4106	Thermal Systems and Economics	3
EGN 3365L	Materials Engineering I	3
EGN 3375	Intro. Electrical Systems III	3
*Social Science Elective		3
		17

**Semester V**

EGN 3433	System Dynamics	3
EML 4041	Computer Methods	3
EML 3262	Kinematics and Dynamics of Machinery	3
EML 3500	Mach. Anal. and Des. I	3
*Historical Perspectives Elective		3
*ALAMEA Perspectives Elective		3
		18

**Semester VI**

EML 4501	Machine Design	3
EML 3701	Fluid Systems	3
ENC 4931	Engineering Communications	3
*Fine Arts Elective		3
MW/MI (Non-engineering)		3
		15

**Semester VII**

EML 4142	Heat Transfer I	3
EML 3303	Mechanical Engineering Lab I	3
EML 4551	Capstone Design (MW/MI)	3
Approved Technical Elective		3
Approved Technical Elective		3
		15

**Semester VIII**

EML 4302	Mechanical Engineering Lab II	3
Controls Elective		3
Approved Design Elective		3
Approved Technical Elective		3
Approved Technical Elective		1
		13

**\*Approved General Education Requirements**

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:



## 202 COLLEGE OF ENGINEERING

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

### Math

#### Calculus

##### USF

MAC 2281

MAC 2282

MAC 2283

#### Differential Equations

MAP 2302

##### C/C

MAC 2311 (3)

MAC 2312 (3)

MAC 2313 (3)

MAP 2302 (3)

### Chemistry

#### General

##### USF

CHM 2041

CHM 2045L

CHM 2046

CHM 2046L

##### C/C

CHM 1045 (3)

CHM 1045L (1)

CHM 1046 (3)

CHM 1046L (1)

### Physics

##### USF

PHY 2048

PHY 2048L

PHY 2049

PHY 2049L

##### C/C

PHY 2048 (3)

PHY 2048L (1)

PHY 2049 (3)

PHY 2049L (1)

### Graphics

##### USF

EGS 1113

##### C/C

EGS 1111 (3)

### Fortran

##### USF

EGN 2210

##### C/C

COP 2202 (3)

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### Procedures for Applying to the College of Engineering

Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University's Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

### 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.

## College Regulations

### 1. Humanities and Social Science 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 normally find that their General Education coursework satisfies the major portion - but not all - of the Social Science and Humanities Core Requirements.

All Engineering students must complete the USF Exit Requirements. The Literature and Writing portion can be met by completing ENC 3210 Technical Writing.

### 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 examination will be administered by the faculty of the University's English program.

Students evidencing an English deficiency will be required to initiate the necessary corrective programs, with the assistance of their advisers. It is recognized that such deficiencies can exist even though a student has met the University's minimum English requirements. Correction of any deficiency must commence the term after a student has been notified and must be completed prior to recommendation of the student for graduation by the faculty of the College.

See *Continuation and Graduation Requirements* below for minimum grade requirements.

### 3. Mathematics Requirement

Students who are pursuing an engineering program are expected to acquire a facility for the rapid and accurate solution of problems requiring the use of mathematics. This requirement includes the ability to translate physical situations into mathematical models. Students evidencing a lack of manipulative ability or of the ability to apply mathematics will be required to take remedial coursework in engineering analysis and problem solving that is over and above their regular degree requirements. Faculty of the College who encounter students who are deficient in their mathematical ability will refer such cases to the Advising Office.

### 4. Continuation and Graduation Requirements

The curricula for the programs offered by various departments of the College of Engineering may be divided into four categories: a) General Education (Non-Technical Requirements); b) Basic Science Requirements (i.e., Math, Chemistry and Physics); c) Engineering Core Requirements; d) Program Specialization Requirements. All undergraduate students in the College of Engineering must maintain the minimum grade-point average (GPA) of 2.0 for each category and a 2.0 GPA for all engineering courses attempted. In no case will the minimum GPA for a category be less than 2.0. It is the student's responsibility to make sure she/he meets all departmental requirements. In addition to the completion of the coursework and/or project requirements of the respective program of the College, students must be recommended for their degrees by the faculty of the College.

Students who do not maintain the required minimums of the program pursued in each category are ineligible for further registration in the College unless individually designed continuation programs are recommended by the student's academic adviser and approved by the department chairperson and the Engineering Associate Dean for Academic Affairs. All students who are academically dismissed from the University will be denied readmission to the College of Engineering unless they meet admission requirements in effect at the time readmission is sought and are recommended for readmission by the department and the Associate Dean for Academic Affairs.

Students who register for a course three times without receiving a grade "D" or better (i.e., receive grades of W or F) will be denied further enrollment in the College of Engineering unless written permission is obtained from the department chairperson and the College Associate Dean for Academic Affairs.

Students pursuing College of Engineering degree programs are expected to take their courses on a graded basis (ABCDF).

Exceptions require written approval of the department adviser prior to registration.

The College of Engineering requires that a student complete the Basic Science, Engineering Science and Specialization Requirements for the baccalaureate degree within seven years prior to the date of graduation. Any exceptions require approval of the department and Dean's Office.

Each engineering student is required to complete the *Application for Graduation - Check List* and submit it to the College of Engineering Advising Office by the drop date of the term prior to the semester in which graduation is sought. Completion of this form is a requirement for graduation.

Effective fall of 1987 all students pursuing Bachelor of Science degree programs in Civil or Mechanical Engineering will be required to take the Fundamentals of Engineering Exam of the State Board of Professional Regulation at least one term prior to the term of anticipated graduation. Engineering students in other disciplines are strongly encouraged to do the same. (See the College Advising Office for applications and information.)

### 5. Transfer Credit

Transfer credit will be allowed by the USF College of Engineering when appropriate if the transferred course has been passed. In some cases credit for a course may be granted, but the hours accepted may be less than the hours earned at another school.

While credit for work at other institutions may be granted subject to the conditions of the previous paragraph, a *minimum* of thirty semester hours of engineering coursework specified by the degree granting department is required for a baccalaureate degree.

## ■ FIVE-YEAR PROGRAM - LEADING TO BACHELORS AND MASTERS DEGREES

Students who, at the beginning of their senior year, are clearly interested in graduate study are invited to pursue a Five-Year Program of study leading simultaneously to the Bachelor of Science in Engineering or Engineering Science and Master of Science in Engineering or Engineering Science degrees. The keys to this program are:

1. A two-year research program extending through the fourth and fifth year.
2. The opportunity of taking graduate courses during the fourth year and deferring the taking of 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 adviser, who should be consulted when additional information is needed. General 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 is expected.
3. Above-average performance in the chosen Engineering program is expected.

### Certificate Programs

#### Certificate in Biomedical Engineering

The Certificate in Biomedical Engineering provides students an opportunity to get an introduction to a rapidly developing field of study and to receive recognition for their endeavors. Students in the program must fulfill all the requirements for an Engineering undergraduate degree, such as Bachelor of Science in Chemical Engineering, and also meet the additional requirements of the Certificate program.

#### Chemistry/Biology (10 hours min.)

BSC 2010 Biology II - Cellular Processes\*

BCH 3023 Biochemistry\*\*

One of the following Organic Chemistry sequences:

CHM 2210 Organic Chemistry I\*

CHM 2211 Organic Chemistry II\*

CHM 2200 Organic Chemistry\*\*\*

Other "human sciences" (6 hrs. min.)

PSY 3044 Experimental Psychology\*\*

One of the following:

PET 3310 Kinesiology

PET 3351 Exercise Physiology I

EXP 4104 Sensory Processes

PSB 4013C Neuropsychology

(or approved substitute)

#### Engineering (9 hrs. min.\*\*\*\*)

EEL 4935 Special Electrical Topics

ECH 5746 Intro to Biomedical Engineering

One or more of the following (to achieve 9 hrs. min. in area):

EIN 4313L Human Factors

EIN 5245 Work Physiology & Biomechanics

ECH 5747 Selected Topics in Chemical Engineering Biotechnology

ECH 5748 Selected Topics in Biomedical Engineering (or other approved Engineering courses)

\*These courses are typically required for Medical School admission. Note that there may be other required courses, such as a course in Human Genetics and the Organic Chemistry laboratories.

\*\*These courses are not normally required for Medical School admission, but are often "highly recommended".

\*\*\*This is a single semester course in Organic Chemistry. This course does not normally satisfy the admission requirements of most medical schools. It also does not count towards the Chemical Engineering degree (students must take the full year sequence).

\*\*\*\*It is important to note that these engineering courses are above and beyond the courses necessary to satisfy the 136 hour requirement. That is, these courses will not also be countable as engineering electives towards the B. S. requirements for any of the departmental degree programs.

#### Certificate of Enhancement

The Certificate of Enhancement in (designated discipline) provides students an opportunity to gain an enhanced experience in their chosen field while pursuing an engineering degree and to permit them to receive recognition for the same requirements.

#### Requirements:

1. Enrolled in a Bachelor of Science degree program in a specified engineering discipline.
2. A minimum of 15 hours of additional elective courses, not included as a part of the B. S. degree, from an approved list. Courses must be taken on a letter-grade basis and a minimum of 9 hours must be in engineering courses.
3. A G.P.A. of 2.0 or greater for the additional hours.
4. The student must receive the engineering degree to receive the Certificate of Enhancement.

Please contact the appropriate department chairperson to be accepted in the program.

#### Computer Service Courses

These courses marked SC are specifically designed for the non-engineering student.

Recognizing that the general purpose digital computer has made significant contributions to the advancement of all elements of the academic community and that it will have an ever greater impact in the future, the College of Engineering offers several levels of credit coursework, both undergraduate and graduate, to serve students of all colleges in order that they may be prepared to meet the computer challenge.



Computer-oriented courses are offered in two broad categories: (1) those courses which are concerned with the operation, organization and programming of computers and computer systems from the viewpoint of examining the fundamental principles involved in computer usage; and (2) those courses which are concerned with computer applications to a variety of different disciplines, by means of user-oriented languages such as FORTRAN, PL/I, COBOL, PASCAL, BASIC, "C" and ADA.

Students in engineering, the physical sciences, and mathematics must consult their adviser for suitable computer courses, since these courses are not acceptable to a number of degree programs.

### College Facilities

Each of the departments has several modern well-equipped laboratories that are used for undergraduate teaching. Some examples of specialized equipment available are a scanning electron microscope, a gas chromatograph mass spectrometer, a 250,000 lb. material testing machine, several microprocessor base control systems, industrial robots, a low turbulence subsonic wind tunnel, computer numerical controlled machinery, metal organic chemical vapor deposition systems, and integrated circuits design workstations.

### College Computing Facilities

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

The College of Engineering operates a cluster of file and computer servers for students and faculty within the College. These consist of SUN servers and four Ardent multiprocessors mini-supercomputers. The networks provide access from offices and laboratories, computer rooms and dial-in facilities. All machines are configured for E-mail, and access to Internet. Conventional asynchronous links to the campus central facility will shortly be supplemented with an Ethernet link.

In addition to the network facilities, the College operates open access P.C. labs. Two are available for undergraduate engineering students; a third smaller lab is reserved for graduate students and faculty. Another open access P.C. lab is operated in conjunction with the Technology program.

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

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

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

### Cooperative Education Program

A wide variety of industries and government agencies have established cooperative programs for engineering students to provide them the opportunity to become familiar with the practical aspects of industrial operations and engineering careers. Students in the Career Resource Center's Cooperative Education (Co-op) program alternate periods of paid employment in their major field with like periods of study. Students following the Co-op program usually encounter no problems in scheduling their program, since required Social Science and Humanities,

Mathematics and Science, and Engineering Core 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.

### STAC (Southern Technology Applications Center)

The Space Act of 1958 directed NASA "to provide the widest practical and appropriate dissemination of information concerning its activities and results thereof." In order to pursue this mandate NASA established a network of Industrial Applications Centers (IACS) to disseminate and transfer NASA technology, products and processes to the private sector.

In 1977 NASA and the State University System of Florida combined resources to form the Southern Technology Applications Center which operated a regional IAC in the State of Florida. STAC is a not-for-profit 501.C3 Corporation partially supported by NASA and SUS grants and its effective network of experts and resources are located at the colleges of Engineering at six of the SUS universities.

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

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

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

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

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

### Army & Air Force R.O.T.C. For Engineering Students

The Engineering curriculum, coupled with involvement in the Army or Air Force R.O.T.C. program, requires a minimum of five (5) years to complete the degree requirements. Army and Air Force R.O.T.C. cadets must take 16 additional hours in either military science or aerospace studies. Additionally, Air Force-sponsored summer training camp is scheduled between the sophomore and junior year for Air Force cadets, and Army cadets attend an Army-sponsored summer training program between the junior and senior years.

**ENGINEERING FACULTY****Chemical Engineering**

*Chairperson:* R. Gilbert; *Professors:* J.C. Busot, L. Garcia-Rubio, J.A. Llewellyn, C. A. Smith, A. K. Sunol; *Associate Professors:* V.R. Bhethanabotla, S.W. Campbell, R.A. Gilbert, W.F. Lee, III; *Instructor:* C. Biver; *Courtesy Faculty:* R. Heller.

**Civil and Environmental Engineering**

*Chairperson:* W. C. Carpenter; *Professors Emeriti:* J. E. Griffith, B.E. Ross; *Professors:* M.W. Anderson, R.P. Carnahan, W.C. Carpenter, W.F. Echelberger, Jr., S.C. Kranc, R.J. Murphy, L.W. Oline, M. A. Ross, A. A. Sagues, R. Sen; *Associate Professors:* M. Gunaratne, R. I. Stessel, A. Zayed; *Assistant Professors:* D. Bonnin, J.F. Devine, J.T. Franques, Jr., S. Hassiotis, J. J. Lu, R. O. Mines, Jr. R. Pendyala; *Instructor:* K. Nohra; *Courtesy Faculty:* F.R. Jones, A. G. Mullins, G.L. Brosch, S.E. Polzin, J. B. Rose, R. C. Sheck, F. L. Young.

**Computer Science and Engineering**

*Chairperson:* A. Kandel; *Professors:* K. Bowyer, L. Hall, A. Kandel, L. Piegler, R. Perez, M. Varanasi; *Associate Professors:* S. Al-Arian, D. Goldgof, P. Maurer, N. Ranganathan, D. Rundus; *Assistant Professors:* K. Christensen, S. Mahadevan, S. Sakar, M. Soo.

**Electrical Engineering**

*Chairperson:* E.K. Stefanakos; *Dean Emeritus:* G.A. Burdick; *Professors:* C.T.M. Chen, Y. Chiou, S.J. Garrett, R.E. Henning, V.K. Jain, L.L. Jastrzebski, M.G. Kovac, G. Lachs, J.J. Lagowski, D.L. Morel, A.D. Snider, T.E. Wade; *Associate Professors:* K.A. Buckle, H.A. Nienhaus, P.H. Wiley; *Assistant Professors:* J.G. Cottle, L. P. Dunleavy, C. Ferekides, P. Flikkema, F.D. King, J.T. Leffew, W. Moreno, R. Sankar, T. Weller; *Lecturers:* H.C. Gordon.

**Industrial and Management Systems**

*Chairperson:* P.E. Givens; *Professor Emeritus:* R. J. Wimmert; *Professors:* J.L. Brown, P. E. Givens, S. K. Khator, L.A. Weaver; *Associate Professors:* A. L. Callahan, T. K. Das, O. G. Okogbaa, W. A. Miller; *Assistant Professor:* P. R. McCright, M. X. Weng; *Lecturer:* S. N. Busansky, D. K. Gooding.

**Mechanical Engineering**

*Chairperson:* R.H. Howell; *Professors:* R.A. Crane, R. H. Howell, A. K. Kaw, S.J. Ying; *Associate Professors:* G. H. Besterfield, D. P. Hess, J.L.F. Porteiro, S. Wilkinson; *Assistant Professors:* M. M. Rahman; *Courtesy Appointment:* L. A. Scott; *Visiting Professor:* J. S. Przemieniecki.

**ENGINEERING COURSES****Basic and Interdisciplinary Engineering**

- EGN 1002 ENGINEERING ORIENTATION** (0)  
The role of engineering in society, characteristics of different fields of engineering, required preparation for engineering careers, techniques and approaches used by engineers in their profession. (S/U only.)
- EGN 2031 HISTORY OF TECHNOLOGY -HP** (3)  
Covers the evolution of technology and its influence on society from prehistoric man to the modern day. Topics include: seven technological ages of man, methods of producing power, materials, transportation, communication and calculation, and technology and society.
- EGN 2200 ENGINEERING WITH COMPUTERS** (2)  
PR: EGN 2210. Fundamental concepts in engineering and computer applications. Examples chosen from various areas of engineering to illustrate design modelling and analysis with computer assistance. Some topics involve laboratory.
- EGN 2210 COMPUTER TOOLS FOR ENGINEERS** (3)  
PR: MAC 2281. Students will be introduced to computer based engineering tools and their application to the solution

of engineering problems. The programming language, FORTRAN, will be the most emphasized tool, but coverage will also be given to other engineering/mathematical tools such as equation solving tools and spreadsheets.

- EGN 3311 STATICS** (3)  
PR: PHY 2048. Principles of statics, mechanical equilibrium, forces, moments, plane trusses. Lec.-pro.
- EGN 3321 DYNAMICS** (3)  
PR: EGN 3311. Dynamics of discrete particles; kinematics and kinetics for rigid bodies. Lec.
- EGN 3331 MECHANICS OF MATERIALS** (3)  
PR: EGN 3311. Stress, strain, Hooke's Law; torsion, beam, column analysis; combined stresses; inelastic effects, limit design. Lec.
- EGN 3331L MECHANICS OF MATERIALS LABORATORY** (1)  
PR: EGN 3311. CR: EGN 3331. Experiments in mechanics of deformable bodies. Lab.
- EGN 3343 THERMODYNAMICS I** (3)  
PR: PHY 2049. Axiomatic introduction to thermodynamic concepts of energy, entropy, work and heat. Properties of ideal and real substances. Applications: power production and refrigeration, phase equilibria.
- EGN 3353 BASIC FLUID MECHANICS** (3)  
PR: EGN 3311, CR: EGN 3321. Fundamental and experimental concepts in ideal and viscous fluid theory; momentum and energy consideration, introduction to hydraulics, pipe flow. Lecture.
- EGN 3365 MATERIALS ENGINEERING I** (3)  
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)  
PR: PHY 2049, PHY 2049L, CR: MAP 2302. A course in linear passive circuits. Physical principles and modes. Transient and steady-state analysis.
- EGN 3374 INTRODUCTION TO ELECTRICAL SYSTEMS II** (3)  
PR: EGN 3373. Continuation of EGN 3373.
- EGN 3375 INTRODUCTION TO ELECTRICAL SYSTEMS III** (3)  
PR: EGN 3373. Continuation of EGN 3373 or EGN 3374.
- EGN 3433 SYSTEM DYNAMICS** (3)  
CR: EML 4041; PR: EGN 3321, EGN 4450, PHY 2049. Dynamic analysis of electrical, mechanical, hydraulic and thermal systems; Laplace transforms; numerical method; use of computers in dynamic systems.
- EGN 3443 ENGINEERING STATISTICS I** (3)  
PR: MAC 2283. An introduction to the basic concepts of statistical analysis with special emphasis on engineering applications.
- EGN 3613C ENGINEERING ECONOMY I** (3)  
A study in analyzing the economic limitations imposed on engineering activities using basic models which consider the time value of money.
- EGN 4366 MATERIALS ENGINEERING II** (3)  
PR: EGN 3365. Applications and structure property relationships of commonly used engineering materials. Steel, non-ferrous alloys and their welding, heat treatment and processing. Introduction to ceramic and polymeric materials.
- EGN 4420 NUMERICAL METHODS OF ANALYSIS** (2)  
PR: MAP 2302, EGN 2210. Computation methods of analysis for engineering problem solving by use of digital computers, matrix methods, differential equations, curve fitting, integral equations.
- EGN 4450 INTRODUCTION TO LINEAR SYSTEMS** (2)  
PR: MAC 2282. Study and application of matrix algebra, differential equations and calculus of finite differences.
- EGN 4831 TECHNOLOGY AND SOCIETY -XMW** (3)  
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)  
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 15 credit hours. (S/U only.)
- EGN 4930 SPECIAL TOPICS IN ENGINEERING** (1-3)  
PR: CI. New technical topics of interest to engineering students. May be repeated for different topics up to 9 hours.



**EGN 5421 ENGINEERING ANALYSIS I** (3)  
PR: MAP 2302. Vector methods of electromagnetism and fluid mechanics. Vector operators, line and flux integrals, potential and transport theorems, applications.

**EGN 5422 ENGINEERING ANALYSIS II** (3)  
PR: MAC 2302 or CC. Power series solutions for ordinary differential equations, Sturm-Liouville theory, special functions. Vector methods with generalized coordinates. Separation of variables for partial differential equations. Green's functions. Calculus of variations. Numerical methods.

**EGN 5423 ENGINEERING ANALYSIS III** (3)  
PR: CC or EGN 4450. Finite fields and coding applications. Probabilities of error detection and correction. Introduction to neural networks. Advanced matrix algorithms: LU and QR factorizations, least-squares, pseudoinverses.

**EGN 5424 ENGINEERING ANALYSIS IV** (3)  
PR: MAC 2302 or CC. Analytic functions, conformal mapping, residue theory, Laurent series, transforms. Applications to various problems in engineering and physics.

**EGN 5425 ENGINEERING ANALYSIS V** (3)  
PR: EGN 4450 and MAP 2302, or CC. Survey of theory and software for matrix computations: factorization methods, least squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.

**EGS 1113 INTRODUCTION TO DESIGN GRAPHICS** (3)  
An introduction to the basic principles of engineering design. The course will include the graphic projective systems used in engineering drawing and design. Methods of graphic communication and graphic analysis of engineering design problems will be investigated.

### Chemical Engineering

**ECH 3023 INTRODUCTION TO PROCESS ENGINEERING** (3)  
PR: EGN 3343. Mass and energy balances on steady state systems with and without chemical reactions. Combustion processes. Psychrometrics.

**ECH 3264C TRANSPORT PROCESSES I** (3)  
PR: ECH 3023. Design, sizing, and selection of fluid flow and heat transfer equipment to satisfy process demands. Lecture/laboratory.

**ECH 3702 INSTRUMENT SYSTEMS I** (4)  
PR: EGN 3373. Applications of analog and digital devices to instrumentation problems in chemical and mechanical engineering. Basic electrical measurements. Computer assisted measurements and process monitoring.

**ECH 4123C PHASE AND CHEMICAL EQUILIBRIA** (3)  
PR: For majors, ECH 3023; for non-majors ECH 3023 or CHM 4410. Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Applications to separation processes and reactor design. Lecture/laboratory.

**ECH 4244L CHEMICAL ENGINEERING LABORATORY II** (2)  
CR: ECH 4415C. PR: ECH 3264C, ECH 3702, EML 3303, or CI. Engineering laboratory experiments in Chemical Engineering Processes: fluid flow, heat transfer, phase and chemical equilibria, and reacting systems.

**ECH 4265C TRANSPORT PROCESSES II** (3)  
PR: ECH 3264C. Design, sizing, and selection of mass transfer equipment. Absorption, distillation, extraction, humidification. Lecture/laboratory.

**ECH 4323C AUTOMATIC CONTROL I** (3)  
PR: ECH 4265C. Analysis of factors affecting process dynamics. Instrumentation required for control system design. Modes of control. Discrete logic operations. Stability. Design case studies. Lec./Lab.

**ECH 4415C REACTING SYSTEMS** (3)  
CR: ECH 4244L. PR: CHM 4412, ECH 4123C. Equilibrium and rate phenomena in reacting systems. Description of homogeneous chemical reactors for design and control. Lecture/laboratory.

**ECH 4605 STRATEGIES OF PROCESS ENGINEERING** (3)  
PR: ECH 3023, EGN 4450, or CI. Methods of process cost estimation, profitability analysis, selection among alternatives, and optimization. Uncertainty and risk analysis. Reliability and safety. Project management.

**ECH 4615 PLANT DESIGN AND OPTIMIZATION** (3)  
PR: ECH 4415C, ECH 4323C. Synthesis processing of and analysis of optimal chemical processing routes. Design and selection of process equipment. Process flowsheet simulation troubleshooting case studies.

**ECH 4905 INDEPENDENT STUDY** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 3 credit hours.

**ECH 4930 SPECIAL TOPICS IN CHEMICAL ENGINEERING I** (1-4)  
PR: CC. May be repeated up to 9 credit hours.

**ECH 4931 SPECIAL TOPICS IN CHEMICAL ENGINEERING II** (1-4)  
PR: CI. May be repeated up to 9 credit hours.

**ECH 5285 TRANSPORT PHENOMENA** (3)  
PR: Senior or graduate standing 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)  
PR: ECH 4323C or CI. The course covers the root locus and frequency response methods. The techniques of ration, cascade feed forward, selective, override, and multivariable control techniques are discussed in detail. The course also shows how to utilize these techniques to design control systems. Z-transforms and discrete control including PID, Dahlin, and deadtime compensations.

**ECH 5740 THEORY AND DESIGN OF BIOPROCESSES** (4)  
PR: Senior standing in engineering or CI. Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems. Open to majors and non-majors with CI.

**ECH 5742 PHARMACEUTICAL ENGINEERING** (2)  
PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.

**ECH 5746 INTRODUCTION TO BIOMEDICAL ENGINEERING** (3)  
PR: Senior standing in engineering or CI. Introduction to biomedical engineering, including transport phenomena in biomedical systems, biomaterials, biomedical instrumentation, prosthetic devices, and clinical engineering. Open to non-engineering students with CI.

**ECH 5747C SELECTED TOPICS IN CHEMICAL ENGINEERING BIOTECHNOLOGY** (1-3)  
PR: Senior standing in engineering or CI. Selected topics in chemical engineering biotechnology, including pharmaceutical engineering, immobilized enzyme technology, food engineering, and fermentation. Open to majors and non-majors with CI. May be repeated for credit as subjects vary.

**ECH 5748 SELECTED TOPICS IN BIOMEDICAL ENGINEERING** (1-3)  
PR: CI. Selected topics in biomedical engineering, including biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems. May be taken by non-engineering students with CI. May be repeated for credit as subjects vary.

**ECH 5780 ENVIRONMENTAL REACTING SYSTEMS** (3)  
Application of chemical reaction engineering principles to problems in environmental engineering. Basic chemical kinetics and the modeling of batch and continuous systems. Applications will include containment fate and transport and remediation.

**ECH 5820 PRODUCT DEVELOPMENT** (2)  
Senior or graduate standing in engineering or CI. An introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.

**ECH 5910 DIRECTED RESEARCH IN BIOENGINEERING** (1-3)  
PR: CI. Directed research in an area of biomedical engineering or engineering biotechnology. May be repeated up to 4 credit hours.

- ECH 5930 SPECIAL TOPICS III (1-4)  
PR: CI. May be repeated up to 9 credit hours.
- ECH 5931 SPECIAL TOPICS IV (1-4)  
PR: CI. May be repeated up to 9 credit hours.

### Civil and Environmental Engineering

- CEG 4011 SOIL MECHANICS I (3)  
PR: EGN 3353C. Fundamental and experimental concepts in soil mechanics with emphasis on soil properties, soil moisture, soil structure, and shearing strength.
- CEG 4011L GEOTECHNICAL LABORATORY (1)  
CR: CEG 4011. Demonstrates and experiments verifying theoretical bases of Geotechnical Engineering. One hour lecture and two laboratory hours per week.
- CEG 4012 SOIL MECHANICS II (3)  
PR: CEG 4011. Design of retaining walls, earth slopes, foundations to control settlement, soil stabilization and foundations subjected to dynamic loads. Computer applications to soil mechanics will be covered.
- CEG 4801 GEOTECHNICAL DESIGN (2)  
PR: CEG 4011. Design of geotechnical systems including bases, foundations, embankments, and dams.
- CEG 4850 CAPSTONE GEOTECHNICAL/TRANSPORTATION DESIGN (3)  
PR: CEG 4011, TTE 4004. A capstone geotechnical/transportation design experience for seniors in Civil and Environmental Engineering. Design of embankments 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.
- CEG 5115 FOUNDATION ENGINEERING (3)  
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.
- CEG 5205 LABORATORY TESTING FOR GEOTECHNICAL ENGINEERS (3)  
PR: CEG 4011 or CI. Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and application of results to design.
- CES 3102 STRUCTURES I (3)  
PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Introduction to the use of energy methods in indeterminate structures.
- CES 4000 STRUCTURES AND THE URBAN ENVIRONMENT FOR NON-ENGINEERS - 6A -XMW (3)  
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 MATRIX STRUCTURAL ANALYSIS (3)  
PR: CES 3102. Analysis of structures by use of matrix techniques and the digital computer. An introduction to finite analysis techniques.
- CES 4561 COMPUTER AIDED STRUCTURAL DESIGN (3)  
PR: CES 4141. Computer aided structural analysis and design using existing finite element program, static dynamic loading.
- CES 4604 CAPSTONE STRUCTURAL DESIGN (3)  
PR: CES 4605, CES 4702. A capstone structural design experience for seniors in Civil and Environmental Engineering. Design of structures made of steel and reinforced concrete.
- CES 4605 CONCEPTS OF STEEL DESIGN (3)  
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 4606 CONCEPTS OF STRUCTURAL DESIGN (3)  
PR: CES 3102, EGN 3311. Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete; design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns, and design of steel beams.

- CES 4618 STRUCTURAL DESIGN STEEL (2)  
PR: CES 4605. Design of structures made of steel.
- CES 4650 CAPSTONE MATERIALS DESIGN (3)  
PR: EGN 3365 plus ONE of the following courses EGN 4851, EMA 4324 or EGN 4366. A Capstone Materials design experience for seniors in Civil and Environmental Engineering. This course will provide students with a focused design experience aimed to design for durability and reliability.
- CES 4702 CONCEPTS OF CONCRETE DESIGN (3)  
PR: CES 3102. Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete: Design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns.
- CES 4704 STRUCTURAL DESIGN-CONCRETE (2)  
PR: CES 4702. Design of concrete structures.
- CES 4820C TIMBER AND MASONRY DESIGN (3)  
PR: CES 3102, CES 4702. Fundamentals of timber design including beams, columns, connections and formwork. Introduction to masonry design including design of beams, walls, columns, and pilasters.
- CES 5105C ADVANCED MECHANICS OF MATERIALS I (3)  
PR: EGN 3331, MAP 2302. Analytical study of the mechanical behavior of deformable solids. Basic concepts, stress and strain transformations, special topics in beams, introduction to theories of elasticity, and bending of thin plates.
- CES 5209 STRUCTURAL DYNAMICS (3)  
PR: CES 3102. Behavior of structural components and systems when subjected to periodic dynamic loads.
- CES 5715C PRESTRESSED CONCRETE (3)  
PR: CI. Fundamental principles of prestressing; calculation of losses; stress analysis and design of simple beams for flexure and shear. Examples of prestress applications.
- CGN 3021L CIVIL ENGINEERING LABORATORY (2)  
PR: CES 3102, EGN 3353, EGN 3365. A laboratory experience in departmental facilities including the subject areas of structures, materials, fluids, transportation, soils, engineering mechanics, environmental engineering, and computer assisted data acquisition.
- CGN 4122 ENGINEERING CONTRACTS, SPECIFICATIONS AND ETHICS -6A -XMW (3)  
Focus on engineering responsibilities in the technical aspects of preparing contracts and specifications. Objectives are to teach the student their legal and ethical responsibilities in the preparation of contracts and specifications. Make the student aware of technical problems in the preparation of specification; bid documents and contracts. Emphasis of ethics of engineer-client agreements.
- CGN 4851 CEMENT AND CONCRETE DESIGN (3)  
PR: EGN 3365L. Classifications and production of cements. Design and testing of concrete mixes to produce desired properties.
- CGN 4905 INDEPENDENT STUDY (1-5)  
PR: CC. Specialized independent study determined by the students' needs and interests. May be repeated up to 15 credit hours. (S/U only.)
- CGN 4911 RESEARCH IN CIVIL ENGINEERING AND MECHANICS (1-4)  
PR: CC.
- CGN 4914 SENIOR PROJECT (2-5)  
PR: CI. Problem-solving experience and training for seniors in research and/or design projects. Written final reports are required.
- CGN 4933 SPECIAL TOPICS IN CIVIL ENGINEERING AND MECHANICS (1-5)  
PR: CI. New technical topics of interest to civil engineering students.
- CGN 5933 SPECIAL TOPICS IN CIVIL ENGINEERING AND MECHANICS (1-5)  
PR: CI. New technical topics of interest to civil engineering students. May be repeated up to 6 credit hours.
- CWR 4103 WATER RESOURCES ENGINEERING (3)  
PR: CWR 4202. A study of the engineering principles involved in sustaining and managing the quantity and quality of water available for human activities with particular emphasis on surface water and ground water hydrology.



- CWR 4202 HYDRAULICS** (3)  
PR: EGN 3353. Fundamental and applied aspects of pipe flow, free surface flow, and unsteady flow for hydraulic systems.
- CWR 4810 HYDRAULIC DESIGN** (2)  
PR: CWR 4103, 4202. Design of hydraulic systems, including drainage, water supply, and flood control.
- CWR 4821 CAPSTONE WATER RESOURCES DESIGN** (3)  
PR: CWR 4202, CWR 4103. A capstone water resources design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water treatment, and water transport systems and hydraulic systems, including drainage, water supply, and flood control.
- EMA 4324 CORROSION OF ENGINEERING MATERIALS I** (3)  
PR: EGN 3365L. Principles of electrochemical corrosion and the representation of corrosion processes by polarization diagrams. Origin and prevention of the localized forms of corrosion and approaches to corrosion control.
- EMA 4703 FAILURE ANALYSIS AND PREVENTION** (3)  
PR: EGN 3365L, EGN 3331. Failure criteria and the analysis of failures produced by combined states of stress. Principles of fracture mechanics and fatigue. Damage to materials produced by various environments including elevated temperatures and radiation.
- ENV 3001 ENVIRONMENTAL ENGINEERING** (3)  
CR: ENG 3353. An introduction to various aspects of environmental problems faced by today's society. Topics covered are: air pollution, water pollution, noise pollution, solid waste management, ionizing radiation, disease transmission, and food protection.
- ENV 4004L ENVIRONMENTAL ENGINEERING LABORATORY** (1)  
PR: ENV 3001, CR: ENV 4502. Laboratory experience in the measuring of environmental parameters.
- ENV 4101 AIR POLLUTION CONTROL** (3)  
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 4400 CHEMICAL ASPECTS OF ENVIRONMENTAL ENGINEERING** (3)  
PR: One year general chemistry. Environmental quality and treatment parameters; sampling and sample preservation techniques; selected measurement techniques; interpretation and analysis of data; emphasis on water chemistry principles. Course is restricted to students pursuing the environmental engineering option in Civil Engineering and Chemical Engineering.
- ENV 4417 WATER QUALITY AND TREATMENT** (3)  
PR: EGN 3353. An introduction to municipal water supply and waste water treatment. Topics include water requirements and waste volumes, water quality, physical and chemical treatment processes, and advanced wastewater treatment processes.
- ENV 4432 WATER SYSTEMS DESIGN** (2)  
PR: EGN 3353. Corequisite ENV 4503. A design oriented course which utilizes the theory obtained in the Unit Operations course to design both industrial and domestic water treatment and water transport systems. It emphasizes the design procedures normally used in engineering practice.
- ENV 4450 CAPSTONE WATER AND WASTEWATER DESIGN** (4)  
PR: EGN 3353 and ENV 4503. A capstone environmental design experience for seniors in Civil and Environmental Engineering. A design oriented course to design both industrial and domestic water treatment and water transport systems and wastewater and collection systems. The course emphasizes the design procedure normally used in engineering practice.
- ENV 4502 ENVIRONMENTAL UNIT OPERATIONS** (3)  
PR: EGN 3343, EGN 3353. CR: ENV 3001 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 ENVIRONMENTAL UNIT PROCESSES** (3)  
PR: ECH 3023, ENV 4502. The theory and design of unit processes normally used in environmental engineering such as coagulation of colloidal materials, water stabilization, water softening and neutralization, ion exchange, adsorption and oxidation processes for removal of iron and magnesium.
- ENV 4531 WASTEWATER SYSTEMS DESIGN** (2)  
PR: ENV 4503. Emphasis is placed upon design practice and economics for a comprehensive design of a wastewater system and a collection system.
- ENV 4552L ENVIRONMENTAL UNIT OPERATIONS AND PROCESSES LABORATORY** (1)  
PR: EGN 3353, ENV 4004L. CR: ENV 4503. Experimental work of the theory and design practices learned in Unit Operations and Unit Processes lecture courses. It provides the student familiarity with the development of bench and pilot plant processes and operations used in environmental engineering.
- ENV 5105 AIR RESOURCE MANAGEMENT** (3)  
PR: CI. Air pollution source impacts on ambient air quality, modeling, regulatory approaches, source strategic controls and surveillance.
- ENV 5345 SOLID AND HAZARDOUS WASTE CONTROL** (3)  
PR: CI. Treatment practices and design of waste handling systems to include: land treatment, pre-treatment, incineration, resource recovery, recycle, waste elimination.
- ENV 5614 ENVIRONMENTAL RISK ANALYSIS** (3)  
PR: CI. Study of comprehensive application of risk analysis techniques for environmental control and protection purposes.
- SUR 3140C ENGINEERING LAND SURVEYING** (3)  
Principles of land surveying for engineering practice. Traverses, levels, boundary surveys, route surveys, coordinate geometry, and mapping.
- TTE 4004 TRANSPORTATION ENGINEERING I** (3)  
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 4005 TRANSPORTATION ENGINEERING II** (3)  
PR: TTE 4004, CR: SUR 3140. Techniques for the geometric route design of surface transportation systems; horizontal and vertical alignments. Spiral curves, superelevations and earthwork analysis; drainage, soils, and a rigid and flexible pavement design; right-of-way acquisition and Environmental Impacts; site layout & design, and operation of alternate models including bus, air, rail, water, and pipeline facilities and terminals.
- TTE 4821 TRANSPORTATION SYSTEMS DESIGN** (2)  
PR: 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 5501 TRANSPORTATION PLANNING AND ECONOMICS** (3)  
PR: College Algebra & CI. Fundamentals of urban transportation planning: trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation and choice of transportation alternatives.

### Computer Science and Engineering

- CAP 5400 DIGITAL IMAGE PROCESSING** (3)  
PR: EEL 4851C or Graduate Standing. 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)  
PR: EEL 4851C. Basic concepts, tools and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, problem solving strategies, etc.

- CAP 5682 EXPERT AND INTELLIGENT SYSTEMS** (3)  
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.
- CDA 4100 COMPUTER ORGANIZATION AND ARCHITECTURE** (3)  
PR: EEL 4705. Elements of computer systems; processors, memories and switches. Register transfer representation of a computer. ALUs and their implementation. The control unit. Memory and I/O. Hardware support of operation system functions.
- CDA 4203 COMPUTER SYSTEM DESIGN** (3)  
PR: EEL 4705, EEL 4705L. CR: CDA 4203L. Design Methods, Top-Down design, Building Blocks, Instruction and addressing models, minicomputer design, interfacing.
- CDA 4203L COMPUTER SYSTEM DESIGN LAB** (1)  
PR: EEL 4705 and EEL 4705L. CR: CDA 4203. This lab introduces the student to the concept of system design. Several projects are given including building timing circuits, memory-based and communication circuits, and microcomputer-based designs.
- CEN 4020 SOFTWARE ENGINEERING** (3)  
PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Student will participate in a software development team.
- CEN 4721 USER INTERFACE DESIGN** (3)  
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.
- CIS 4250 ETHICAL ISSUES AND PROFESSIONAL CONDUCT -6A -XMW** (3)  
PR: Senior standing in the Department of Computer Science and Engineering. An introduction to ethical issues arising in the computer sciences, through written analysis and oral presentations of technical situations which involve ethical conflicts.
- CIS 4900 INDEPENDENT STUDY IN COMPUTER SCIENCE** (1-5)  
PR: CI. Specialized independent study determined by the needs and interests of the student. May be repeated up to 10 credit hours. (S/U only.)
- CIS 4910 COMPUTER SCIENCE PROJECT** (2)  
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)  
PR: CI. May be repeated up to 15 credit hours.
- COP 2000L COMPUTER SCIENCE LABORATORY** (1)  
CR: COP 2002. Laboratory for implementation of algorithms in a general purpose computer language.
- COP 2002 INTRODUCTION TO COMPUTER SCIENCE** (3)  
CR: COP 2000L. Introduction to the concepts of algorithmic formulation of problems for computer solution and the general abstract operations used in these formulations.
- COP 2400 COMPUTER SYSTEMS** (3)  
PR: COP 2000L. Principles of computer organization, machine and assembly language programming.
- COP 2510 PROGRAMMING CONCEPTS** (3)  
PR: COP 2000L. An examination of a modern programming language emphasizing programming concepts and design methodology.
- COP 4020 PROGRAMMING LANGUAGES** (3)  
PR: EEL 4851C. An introduction to programming languages, survey of language types and design of translators and interpreters.
- COP 4023 COMPARISON OF PROGRAMMING LANGUAGES** (3)  
PR: EEL 4851C. A comparative study of procedural and nonprocedural computer languages, emphasizing the fundamental differences in information binding, string and data structures manipulation, control and I/O structures in different languages.
- COP 4312 SYMBOLIC COMPUTER FOR ARTIFICIAL INTELLIGENCE** (3)  
PR: COP 2000L. An examination of the fundamental symbolic computing and its role in artificially intelligent computers. Includes program writing in LISP with emphasis on procedural and data abstraction.
- COP 4600 OPERATING SYSTEMS** (3)  
PR: EEL 4851C. Introduction to systems programming. Design of operating systems. Concurrent processing, synchronization, and storage management policies.
- COT 3100 INTRODUCTION TO DISCRETE STRUCTURES** (3)  
PR: MAC 2281 or equivalent. Introduction to set algebra, propositional calculus and finite algebraic structures as they apply to computer systems.
- COT 4210 INTRODUCTION TO AUTOMATA THEORY AND FORMAL LANGUAGES** (3)  
PR: EEL 4851C. Introduction to the theory and application of various types of computing devices and the languages they recognize.
- COT 4400 ANALYSIS OF ALGORITHMS** (3)  
PR: EEL 4851C. Design principles and analysis techniques applicable to various classes of computer algorithms frequently used in practice.
- EEL 4705 LOGIC DESIGN** (3)  
PR: EGN 3373, CR: EEL 4705L; for CS & E students CR or PR: COP 2002. Binary number systems; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; synchronous logic circuits in computers.
- EEL 4705L LOGIC LABORATORY** (1)  
CR: EEL 4705.
- EEL 4743L MICROPROCESSOR LABORATORY** (1)  
CR: EEL 4744. Laboratory for Microprocessor use and evaluation.
- EEL 4744 MICROPROCESSOR PRINCIPLES AND APPLICATIONS** (3)  
PR: EEL 4705 and EEL 4705L. CR: EEL 4743L. Functional Description. Arithmetic and Logic capabilities. Control and Timing. Interrupts and priority systems. Software design and documentation. Distributed function processing.
- EEL 4748 MICROPROCESSOR-BASED SYSTEM DESIGN AND APPLICATION** (3)  
PR: EEL 4757, EEL 4743L. Study of techniques for design of microprocessor-based systems used in various applications. Includes a project on development of an experimental application system.
- EEL 4781C DISTRIBUTED PROCESSING AND COMPUTER NETWORKS** (3)  
PR: COP 4600, CDA 4100. Design and analysis of distributed processing systems. Covers communication hardware and software, network operating systems, and reliability enhancement techniques.
- EEL 4851C DATA STRUCTURES** (3)  
PR: COP 2002, COP 2000L. Fundamentals of data organization for purposes of program efficiency, clarity and simplicity will be addressed.
- EEL 4852C DATA BASE SYSTEMS** (3)  
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 5771 INTRODUCTION TO COMPUTER GRAPHICS I** (3)  
PR: CI. An introduction to the evolution of computer graphics including point-plotting, line drawing, two-dimensional transformations and graphics software packages.

### Computer Service

(No credit for Engineering Majors)

- CGS 2060 SC INTRODUCTION TO COMPUTERS AND PROGRAMMING IN BASIC -6A** (3)  
An overview of computer systems and their role in society. Survey of the evolution of computer software and hardware technology with emphasis on current applications. Introduction to programming using the BASIC language.
- CGS 3062 COMPUTERS AND SOCIETY** (3)  
This computer literacy course covers the fundamentals of hardware, software, and programming languages, presents



a broad overview of data processing concepts, problems and applications for students with little or no computing background. (For non-engineering majors only.)

- CGS 3462 SC PASCAL PROGRAMMING** (3)  
PR: CGS 2060. Structured programming implemented with the PASCAL language. Emphasis on program structure and data manipulation.
- CGS 3463 SC GPSS SIMULATION** (3)  
PR: COP 2200. The development and execution of discrete event simulation models of real world systems using the GPSS language.
- CGS 3464 SC SIMSCRIPT SIMULATION** (3)  
PR: COP 3463. The use of the Simscript language in discrete event simulation. Development of simulation models of real world systems.
- CGS 4260 SC MINI-COMPUTER APPLICATIONS** (3)  
PR: CGS 4465. Study of mini-computer system components, I-O devices, theory of computer operation.
- COP 2120 SC COBOL PROGRAMMING I** (3)  
PR: CGS 2060. Analysis of ANSI Standard COBOL language elements. Development of file structures and commercially oriented applications.
- COP 2121 SC COBOL PROGRAMMING II** (3)  
PR: COP 2120. Advanced applications of ANSI Standard COBOL. Development of subroutines, relative I-O and data base applications as used in a comprehensive data processing environment.
- COP 2200 SC FORTRAN PROGRAMMING** (3)  
PR: CGS 2060. Solution of scientifically oriented problems using the FORTRAN language. Particular emphasis is placed on file manipulation and system libraries.
- ETG 4931 SPECIAL TOPICS IN TECHNOLOGY I** (1-5)  
PR: CC.
- ETG 4932 SPECIAL TOPICS IN TECHNOLOGY II** (1-5)  
PR: CC.
- ETI 4666 PRINCIPLES OF INDUSTRIAL OPERATIONS II** (3)  
PR: CC. Application of techniques developed to the operation of an industrial firm through special projects.

### Electrical Engineering

- EEL 3100 NETWORK ANALYSIS AND DESIGN** (3)  
PR: EGN 3373. A second course in linear circuit analysis and design. Transient and steady-state responses of passive R-L-C networks to various functions.
- EEL 3302 ELECTRONICS I** (3)  
PR: EGN 3373. A course in the physical principles of electronic devices with emphasis on semi-conductor electronics. Includes the analysis and design of amplifiers and switching circuits.
- EEL 4102 LINEAR SYSTEMS ANALYSIS** (3)  
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 4108 DISTRIBUTED NETWORKS** (3)  
PR: EEL 4411, EEL 3100. Transmission lines, standing waves, impedance, waveguides.
- EEL 4163 COMPUTER AIDED DESIGN AND ANALYSIS** (2)  
PR: EEL 3302, EEL 4705. The emphasis is upon applications and how to use the major CADA programs as effective tools to solve a wide variety of engineering problems. The coverage includes solid state design, systems analysis, digital logic, and transfer function solutions.
- EEL 4305 ELECTRONICS II** (3)  
PR: EEL 3302. Provides further study in electronic circuits. Includes feedback and frequency response techniques in amplifier design.
- EEL 4351C SEMICONDUCTOR DEVICES** (3)  
PR: EEL 3302. An introduction to the fundamentals of semiconductor materials and semiconductor device operation.
- EEL 4511 COMMUNICATION ENGINEERING** (2)  
PR: EEL 4512. Analog telephone network; digitalization. Digital transmission and multiplexing. Digital switching; space division switching, time-division switching, space-time switching; analog environment. Broadcasting and recording (audio and video); television systems, cable and satellite TV.

- EEL 4511L COMMUNICATIONS LABORATORY** (1)  
CR: EEL 4511. Experiments in amplitude modulation, frequency modulation.
- EEL 4512C INTRODUCTION TO COMMUNICATION SYSTEMS** (3)  
PR: EEL 3100. Signals and Fourier transforms in communication systems; measure of information in signals. AM, FM, and PM modulation and demodulation systems. Sampling, quantization and PCM. Data communication; terminals, and modems; repeaters, timing circuits, and interfaces. Local networks.
- EEL 4567 ELECTRO-OPTICS** (3)  
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)  
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)  
PR: EGN 3373. Non-majors may enroll with CI. Binary number system; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; logic circuits in computers.
- EEL 4705L LOGIC LABORATORY** (1)  
CR: EEL 4705.
- EEL 4743L MICROPROCESSOR LABORATORY** (1)  
CR: EEL 4744. Laboratory for microprocessor use and evaluation.
- EEL 4744 MICROPROCESSOR PRINCIPLES AND APPLICATIONS** (3)  
PR: EEL 4705 and EEL 4705L. CR: EEL 4743L. Functional Description. Arithmetic and Logic capabilities. Control and Timing. Interrupts and priority systems. Software design and documentation. Distributed function processing.
- EEL 4756 SIGNAL AND IMAGE PROCESSING**  
Sampling and quantization of signals and images; frequency-domain representations, transforms; filtering, convolution, and correlation; raster scanning and interlacing; color images; mask methods and parallelism; multi-rate processing; information signals.
- EEL 4905 INDEPENDENT STUDY** (1 - 5)  
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 15 credit hours. (S/U only.)
- EEL 4906 INTRO TO ENGINEERING DESIGN** (2)  
PR: Senior standing. An introduction to engineering design with applications specific to practical engineering problems. Included are discussions of such "real world" considerations as economics, safety, ethics, and the environment.
- EEL 4935, 4936, 4937 SPECIAL ELECTRICAL TOPICS I, II, III** (1 - 4 each)
- EEL 5250 POWER SYSTEM ANALYSIS** (3)  
Analysis technique for AC power systems.
- EEL 5344C DIGITAL CMOS/VLSI DESIGN** (3)  
PR: EEL 4705 or CC. Design, layout, simulation, and test of custom digital CMOS/VLSI chips, 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)  
PR: EEL 4351 or CI. Physics and Chemistry of integrated circuit and discrete device fabrication, materials limitations, processing schemes, failure and yield analysis. A laboratory is integral to the course.
- EEL 5357 ANALOG CMOS/VLSI DESIGN** (3)  
PR: EEL 4305. Design of analog circuits for CMOS/VLSI design. Op Amps, comparators, D to A and A to D converters. Switched capacitor filters. Analog simulation.
- EEL 5382 MICROELECTRONICS** (3)  
PR: EEL 3410. Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.

- EEL 5437 MICROWAVE ENGINEERING** (3)  
PR: EEL 4411, 4102, or CC. Introduction to passive and active components, devices, and circuits, including transmission lines and waveguides, employed in microwave integrated circuits and systems.
- EEL 5462 ANTENNA THEORY** (3)  
PR: EEL 4411 or CC. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elemental antennas and arrays.
- EEL 5572 C LOCAL AREA NETWORKS AND INTERFACING** (3)  
PR: EEL 4512. Network components: Communication terminals. PC's telephone, etc. Basics of LAN's, Tx media topologies, access methods, and LAN characteristics. Interfacing of terminals and PC's to LAN's; NAU's and other interfacing devices; interface selection. LAN design issues, repeaters, timing circuits, gateways.
- EEL 5631 DIGITAL CONTROL SYSTEMS** (3)  
PR: EEL 4657. Sample data and digital control processes
- EEL 5754C MICROPROCESSOR BASED DIGITAL SIGNAL PROCESSING** (3)  
PR: EEL 4705 or CC. 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 5935, 5936, 5937 SPECIAL ELECTRICAL TOPICS I, II, III** (1-3 each)  
PR: CC..
- ELR 3301L LABORATORY 1** (1)  
PR: EGN 3373.
- ELR 3302L LABORATORY 2** (1)  
PR: ELR 3301L and EEL 3302, CR: EEL 4305.
- ELR 4306L LABORATORY 4** (1)  
PR: ELR 3301L CR: EEL 4411.

### Industrial and Management Systems

- EIN 4304C INTRODUCTION TO INDUSTRIAL ENGINEERING** (3)  
History of industrial engineering. Introduction to basic industrial processes and controls. Students research specific industries and visit local industrial plants.
- EIN 4312C WORK ANALYSIS** (3)  
PR: EGN 3613, EGN 3443; CR: AGC 3074. Operation analysis and workspace design, work measurement, standard data, ergonomics, and labor costing.
- EIN 4313C HUMAN FACTORS** (3)  
Design of man-machine systems, by taking into consideration both human and machine capabilities and limitations.
- EIN 4333 PRODUCTION CONTROL** (3)  
PR: ESI 4312. Planning and control of production systems. Includes: forecasting and inventory control models, scheduling and sequencing, MRP, CPM/PERT, and resource requirements.
- EIN 4364C FACILITIES DESIGN I** (3)  
PR: EIN 4312 EIN 4411. Design and modification of industrial production and material handling facilities. Basic analysis techniques, use of computer programs, automated warehousing.
- EIN 4365 FACILITIES DESIGN II -XMW** (3)  
PR: EIN 4364. CAD/CIEM, complete design of a plant facility. Course to use computers and software geared toward plant design and operation. A team of students is to be responsible for the complete project.
- EIN 4411 MANUFACTURING PROCESSES** (3)  
PR: EGN 3365. The study of basic manufacturing processes and precision assembly. CAD/CAM including NC programming.
- EIN 4601L AUTOMATION AND ROBOTICS** (3)  
PR: EIN 4411. Introduction to the practices and concepts of automation as applied to material handling, inventory storage, material transfer, industrial processes and quality control.
- EIN 4933 SPECIAL TOPICS IN INDUSTRIAL ENGINEERING** (1-5)  
Special topics related to economic analysis, optimization, human factors, manufacturing and automation aspect of industrial systems. Repeatable up to 5 credit hours.
- EIN 5245 WORK PHYSIOLOGY AND BIOMECHANICS** (3)  
PR: CC. Human physiological limitations encountered in the design, analysis and evaluation of man-machine systems.
- EIN 5253 HUMAN PROBLEMS IN AUTOMATION** (3)  
The study and analysis of combined human operations, automated processes, and robotics in industrial environments.
- EIN 5301C INDUSTRIAL ENGINEERING CONCEPTS** (3)  
PR: CC. Survey of industrial and management engineering methodology. Work measurement, methods, production and inventory control, and facility design.
- EIN 5322 PRINCIPLES OF ENGINEERING MANAGEMENT** (3)  
Introduction to the fundamentals of accounting, finance, management, and marketing as needed by engineers, scientists, and other professionals in managerial positions.
- EIN 5357 ENGINEERING VALUE ANALYSIS** (3)  
Statistical models for analyzing engineering alternatives from an economic viewpoint. The use of advanced engineering economy concepts in solving industrial problems.
- EIN 5388 TECHNOLOGICAL FORECASTING** (3)  
Introduction to forecasting techniques used to plan and schedule production and inventory control functions. Smoothing and decomposition time-series methods, regression methods, and autoregression/moving average methods. Integrating forecasting and planning into the engineering organization.
- EIN 5914 SPECIAL INDUSTRIAL PROJECTS** (1-3)  
PR: CC.
- ESI 4221 INDUSTRIAL STATISTICS AND QUALITY CONTROL** (3)  
PR: EGN 3443. Application of statistical techniques to the control of industrial processes. Control charts, acceptance sampling, design of experiments, analysis of variance and regression.
- ESI 4244 DESIGN OF EXPERIMENTS** (3)  
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)  
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)  
PR: EGN 3443. Probabilistic models in Operations Research. Discrete and continuous time processes, queueing models, inventory models, simulation models, Markovian decision process and decision analysis.
- ESI 4161C COMPUTERS IN INDUSTRIAL ENGINEERING** (3)  
PR: EGN 2210. Use of micro and mini computer systems for industrial engineering applications. Review of available software packages. Use of computers for CAS/CAM system.
- ESI 4523 INDUSTRIAL SYSTEMS SIMULATION** (3)  
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)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 15 credit hours. (S/U only.)
- ESI 4911 SENIOR PROJECT** (2)  
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)  
Study of statistical methods applied to engineering management problems involving estimation and prediction under conditions of uncertainty. Not open to students who have had EGN 3443.



- ESI 5236 RELIABILITY ENGINEERING** (3)  
PR: EGN 3443 or equivalent. Fundamental concepts of reliability, estimation of reliability of systems and components. Measures of availability, maintainability and reliability.
- ESI 5306 OPERATIONS RESEARCH FOR ENGINEERING MANAGEMENT** (3)  
Linear programming, non-linear programming, queueing, inventory, network analysis. Not open to students who have had ESI 4315.
- ESI 5470 MANUFACTURING SYSTEMS ANALYSIS** (3)  
PR: CC. The study of systems of manufacturing entities such as machine tools, robots, and materials handlers. Emphasis is on mathematical description of integrated systems and system optimization.
- ESI 5522 COMPUTER SIMULATION II** (3)  
PR: ESI 4523 or equivalent. Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

### Mechanical Engineering

- EAS 4121 HYDRO AND AERODYNAMICS** (3)  
PR: EML 3701, MAP 2302. Advanced fluid dynamics, ideal and viscous flows, applications to flow around immersed bodies.
- EML 3262 KINEMATICS AND DYNAMICS OF MACHINERY** (3)  
PR: MAC 2282, PHY 2048, EGN 3321. Kinematics of machines and mechanisms; position, velocity, and acceleration analysis of mechanisms; cams; gear trains; inertia forces in mechanisms; flywheels; balancing of rotating masses.
- EML 3303 MECHANICAL ENGINEERING LAB I** (3)  
PR: EML 3500, EML 3701, EML 4041. Engineering laboratory measurements. Use of the library and the writing of technical reports. Experiments in the measurement of temperature, pressure, fluid flow, psychrometrics, concentration, viscosity. Mass-energy balances of simple systems.
- EML 3500 MACHINE ANALYSIS AND DESIGN I** (3)  
PR: EGN 3311, EGN 3365. Stress and deflection analysis of machine parts, variable loads, endurance limits, fasteners, bearings, power transmission, code consideration of pressure and vacuum vessels, elements of design.
- EML 3701 FLUID SYSTEMS** (3)  
PR: EGN 3343; Principles of fluid flow; piping and duct systems; fluid machinery; metering of compressible and incompressible flow; boundary layer theory; dimensional analysis; introduction to aerodynamics.
- EML 4041 COMPUTATIONAL METHODS** (3)  
PR: EGN 2210, EGN 4450. Techniques to solve engineering problems using numerical methods and digital computers. Topics include roots of equations, simultaneous linear equations, numerical integration and differentiation, and curve fitting.
- EML 4106C THERMAL SYSTEMS AND ECONOMICS** (3)  
PR: EGN 3343. Power and refrigeration cycles; fuels and combustion; internal combustion engine cycles; co-generation; nuclear energy; methods of economic analysis.
- EML 4142C HEAT TRANSFER I** (3)  
PR: EML 3701, EML 4041. 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 4174 VISUAL BASIC FOR ENGINEERS AND SCIENTISTS** (3)  
PR: EGN 2210. Introduces students to the powerful graphical interface language of Visual Basic. Illustrates the use of the language in engineering and science applications.
- EML 4220C VIBRATIONS** (3)  
PR: EML 3433 and EML 3262. Natural frequency, damping and resonance in single-degree-of-freedom systems. Vibration isolation and absorption. Lagrange's equations. Multi-degree of freedom systems. Introduction to vibration of continuous systems and predictive maintenance.
- EML 4302 MECHANICAL ENGINEERING LABORATORY II** (3)  
PR: EML 3303, EML 4142. 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)  
PR: EGN 3433, EML 4041. Introduces the concept of dynamic systems. Modeling of dynamic systems. Laplace Transforms. Transfer Functions. Block Diagrams. Characteristic equation. Time response of first and second order systems. Stability of dynamic systems. Routh stability criterion. Frequency response of dynamic systems. Polar plots and Bode plots. Introduction to state space model.
- EML 4419C PROPULSION I** (3)  
PR: EML 3701, EML 3500 or CI. Introduction to the design of propulsion systems. Basic analysis of internal combustion, jet and rocket engines. Application to ground and air transportation. Advanced propulsion concepts. Special topics for class discussion.
- EML 4501 MACHINE DESIGN** (3)  
PR: EML 3500, EML 3262. Continuation of EML 3500. Antifriction bearings, journal bearings, power transmission, shafting.
- EML 4551 CAPSTONE DESIGN -XMW** (3)  
PR: EML 4501. Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS and CAD.
- EML 4552 SENIOR MECHANICAL DESIGN** (3)  
PR: EML 4551 or CC. Comprehensive design or feasibility study project. In some cases may be a continuation of EML 4551.
- EML 4562 INTRODUCTION TO COMPOSITE MATERIALS** (3)  
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)  
PR: EML 4106, EML 3701. Application of thermodynamics, heat transfer, and fluid flow to sizing of HVAC systems. Heating and cooling calculations, air requirements, equipment sizing. Energy Code requirements. Design project.
- EML 4905 INDEPENDENT STUDY** (1-4)  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 15 credit hours.
- EML 4930 SPECIAL TOPICS IN MECHANICAL ENGR.** (1-4)  
PR: CC. May be repeated up to 9 credit hours.
- EML 5105 INTERNAL COMBUSTION ENGINES** (3)  
PR: EML 4106C or CI. Application of thermodynamics, chemistry, dynamics of machinery, electronics, and fluid mechanics. Topics covered are: introduction of engines, fuels and combustion, numerical modeling, ignition, fuel systems, balance of reciprocating mechanisms, and emission control of exhaust pollutants.
- EML 5225 ACOUSTICS AND NOISE CONTROL** (2)  
Fundamentals of Sound Propagation; Sound Power and Intensity. Psychoacoustics; Industrial Noise sources and Methods of Attenuation; Instrumentation for Noise Measurements.
- EML 5245 TRIBOLOGY** (3)  
PR: EML 4501. An introduction to friction, lubrication, and wear. Contact of real surfaces, mechanics of friction, surface failures, boundary lubrication fluid properties, thin film lubrication, thick film lubrication, bearing and lubricant selection.
- EML 5325 MECHANICAL MANUFACTURING PROCESSES** (3)  
PR: CI. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.
- EML 5395 MOTOR SELECTION AND CONTROL** (3)  
PR: EGN 3373, EGN 3433. Standard electrical voltages; power wiring in industrial plants; NEMA motor designs, techniques for estimating motor starting times and temperature rise; motor selection; starting and operating safety interlocks; conventional motor starting and control systems; direct digital (programmable) controls; electrical code requirements for conductors and protective devices.
- EML 5930 SPECIAL TOPICS III** (1-4)  
PR: CC. May be repeated up to 9 credit hours.
- EML 5931 SPECIAL TOPICS IV** (1-4)  
PR: CC. May be repeated up to 9 credit hours.

# COLLEGE OF FINE ARTS

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The College of Fine Arts exists in the context of 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 creative or performing career, teaching career, or a life-long artistic enrichment.

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

The College of Fine Arts is a unique entity housing four academic units and two academically-related units. The academic units include the School of Music and the departments of Art, Dance, and Theatre. The academically-related units are the Contemporary Art Museum and the Center for Research in Art/Graphicstudio.

## Outreach Mission

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

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

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

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

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

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

## BACCALAUREATE-LEVEL DEGREE PROGRAMS

### Programs Leading to the Baccalaureate Degree

The College of Fine Arts offers four undergraduate degrees: the Bachelor of Arts (B.A.) in Art, Dance, and Theatre; the Bachelor of Fine Arts (B.F.A.) in Theatre; the Bachelor of Music

(B.M.) in Music; and the Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) in Art Education and in Music Education.

## Admission to the College

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

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

## Advising in the College

The College of Fine Arts Office of Student Services and Advising, located in the Fine Arts building, offers a comprehensive service to all fine arts students and advice to non-majors who are interested in taking fine arts courses. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other University and community-based services and career-related opportunities. Four major-field advisors (art, dance, music, theatre), Advising Coordinator, Fine Arts Project Thrust Advisor, and support staff work with students toward their matriculation according to curricular outlines. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.

## Office of Student Services and Advising

The college of Fine Arts Office of Student Services and Advising assists students in developing their educational plans and career goals and fosters their personal development through attention to individual talents and needs.

Our goals are:

- To help students clarify their life and career goals
- To help students develop their educational plans
- To help students select appropriate courses
- To help students interpret institutional requirements
- To evaluate student progress toward established goals
- To make referrals to other institutional or community support services
- To facilitate total student development
- To foster the development of individual student's talent to the fullest

## Graduation Requirements

1. All degree programs require 120 credit hours, with the exception of Theatre Education track (129), Music Education degree (134) and Art Education (126).
2. General Education Requirements may be satisfied by (1) completing the University's General Education Requirements, (2) completing the A.A. degree from a Florida Junior or Community College, or (3) completing the general education requirements from another Florida state university.



General education courses transferred from other accredited institutions will be evaluated based on USF General Education equivalencies. The A.A. degree is in no way a requirement for acceptance into the College of Fine Arts (or into any one of its upper-level degree programs), or a requirement for graduation from the University. Students admitted under the 1994/95 catalog must complete the Liberal Arts requirements of the University in lieu of the old General Distribution requirements.

- Students admitted to the College of Fine Arts with transfer credits or former students returning with credits dating ten or more years prior to admission (or readmission) will have those credits reviewed by the College and department/school and may be required to take specified competency tests in their major area.
- All majors in the College of Fine Arts must take six fine arts credit hours in a field other than the major discipline. Transfer of special fine arts credits must be evaluated by an advisor.
- 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.
- A maximum of four credit hours of elective Physical Education credits taken at USF may be counted as general elective credit toward all degrees.
- Students must complete satisfactorily the College Level Academic Skills Test CLAST and the writing and computation course requirement of 6A-10.30 (Gordon Rule).
- Students applying for a B.A. degree must demonstrate competency in a foreign language as described under Foreign Language Competency Policy of this catalog.
- For degree programs, see requirements listed under each department.
- A minimum of 20 credit hours in the major department must be earned in residence. This requirement, however, may be waived by the department/school based on examination (e.g., portfolio review, audition). A student must also earn 30 of the last 60 hours of credits in residence at the University of South Florida. However, any course work to be taken and any credits to be earned outside of the University must have prior approval from the appropriate department/school and the college in order to apply these credits toward graduation.

Waiver of prerequisite course work totaling no more than 12 credit hours in the major or Fine Arts College requirements is possible by demonstration of competence. Unless credit is awarded by approved official tests, i.e., A.P., CLEP, the credit hours must be made up according to departmental/school or college recommendations. The review for waiver is by faculty committee. Specific questions concerning program requirements for all degrees in the College or other related problems, should be directed to the College of Fine Arts Coordinator of Advising.

### Courses for General Education and Liberal Arts Requirements:

Courses in the College of Fine Arts in the departments of Art, Dance, Theatre, and School of Music fall within Area II of the University's General Education Requirements. (See General Education Requirements and special policies for AA degree holders and other transfer students with "General Education Requirements" met.) However, a major in any one of the four departments/school in the College of Fine Arts may utilize only those courses in the other three departments of the College for General Education Requirements. Liberal Arts requirements can be met with designated College of Fine Arts courses.

### College Policy for Academic Progress

The following criteria will serve as the bases for disenrollment from a major in the College of Fine Arts:

- Grade-point average below 2.0 in the major.
- Recommendation by major applied (studio) art, dance, music or theatre faculty with approval of respective department/school chairperson/director, or art education coordinator.

- The department may recommend probationary status (rather than disenrollment) for one semester when academic progress is not maintained.

## Contracts and Permission Procedures

### Directed Studies Contracts:

All Directed Studies and other variable credit courses in the College of Fine Arts require contracts between students and instructors describing the work to be undertaken by the student and specifying the credit hours. These contracts are to be completed in quadruplicate and appropriately signed. It is the student's responsibility to obtain the necessary signatures and make the required distribution of all copies. *Important:* the student *must* have his/her signed copy of a contract at the time of registration.

### S/U Grade Contracts:

The College of Fine Arts requires that any S/U grading agreement entered into between student and instructor be formalized by a contract in quadruplicate signed by the student and the instructor and distributed according to instructions.

### "I" Grade Contracts:

Incompletes must be contracted for by mutual agreement between student and instructor, with the contract describing specifically the amount and nature of the work to be completed for the removal of the incomplete grade. This contract additionally clearly specifies the date that the work will be due (within legal limits) for grading. Both the student and the instructor must sign this contract and the four copies must be distributed according to instructions. A student must not register for a course again to remove an "I" grade.

### Permission Procedures:

Admission into some courses is possible only by consent of instructor (CI), consent of chairperson (CC), consent of adviser, 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

- Non-majors enrolled in courses in the College of Fine Arts may undertake such courses on an S/U basis with instructor approval. See Contracts and Permission Procedures for information concerning S/U Grade Contracts.
- Credits earned by a non-major student with an "S" grade will not count toward the student's minimum major course graduation requirement should that student ultimately decide to become a major student in one of the four departments in the College. Instead, such credits earned with an "S" grade will be assigned to the student's Free Elective category (with the exception of music which will become non-countable).
- Although Fine Arts majors may take coursework in their major as Free Electives, they are not entitled to the S/U grading option for these courses taken in their major subject area, even when specifically used or intended to be used as Free Electives.
- In the College of Fine Arts, the only S/U graded courses available to a major student in his major subject area are those curriculum allowable courses designated S/U (that is, S/U only).
- With the exception of such courses as may be specifically required under the College's "Special Requirements" regulation, a maximum of 9 credit hours of S/U credits in non-major courses may apply towards a degree in the College of Fine Arts.

Please refer to Academic Policies section for more information concerning the University's S/U Grading policy.

## Dean's List Honors

See Academic Policies and Procedures, Programs and Services.

## Interdisciplinary Study

There is no formal interdisciplinary arts degree offered in the College of Fine Arts. However, it is possible for a student to pursue such a program of study in the College by utilizing free electives allowed in the major program. A student may also choose a double undergraduate major in two departments within the College of Fine Arts as a means of interdisciplinary study. See the major adviser in the programs of particular interest.

## Minors Program

The College of Fine Arts offers minor programs in Art, Dance, Music, Theatre. Majors in the College of Fine Arts may pursue a minor in any certified minors program at USF except within the same department/school as the major. The requirements for these programs are located under the departmental/school academic program descriptions. For University Minor Policy, consult that section in the catalog.

## PROGRAMS AND CURRICULA

### ■ ART (ART)

#### • Departmental Requirements for the B.A. Degree

The Art curriculum is designed to develop the student's consciousness of aesthetic and ideological aspects of art and its relationship to life and to assist students in the realization of personal ideas and imagery. Most B.A. recipients interested in college teaching, museum or gallery work, fine or commercial studio work pursue the extended discipline and experience offered at the graduate level.

Although the Art program allows many possible courses of study, most art major students will select one area of emphasis chosen from the course offerings listed.

The major concentrations, or areas of emphasis, available to undergraduate (B.A. seeking) art students are: Drawing, Painting, Sculpture, Ceramics, Electronic Intermedia (Computer Imaging, Video), Printmaking, Photography, Art History and Theory. Art majors must receive a grade of "C" or better in all art courses.

Transfer studio credit will be accepted on the basis of portfolio and transcript evaluation. The Art Department will accept all Florida state programs that are part of the "Common Prerequisites."

For additional requirements see Graduation Requirements, College of Fine Arts.

The requirements for the bachelor's degree in Art Education are listed under the College of Education.

### B.A. ART STUDIO

#### I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

ARH 2050	History of Visual Art I	3 hours
ARH 2051	History of Visual Art II	3 hours
ARH 3001	Introduction to Art	4 hours
ART 2201C	Fabrications	4 hours

**TOTAL 14 hours**

#### II. Beginning Studio Workshops

A minimum of 12 hours from the following Beginning Studio Workshops is required. These courses may not be repeated. These courses are pre-requisites to the upper level Advanced Studio Workshops and Studio Theme Courses.

ART 2301C	Beginning Drawing	3 hours
ART 2400C	Beginning Printmaking	3 hours
ART 2510C	Beginning Painting	3 hours
ART 2710C	Beginning Sculpture	3 hours
ART 3110C	Beginning Ceramics	3 hours
ART 3222	Beginning Electronic Media	3 hours
FIL 2200C	Beginning Film	3 hours
PGY 2401C	Beginning Photography	3 hours

**TOTAL 12 hours**

### III. Advanced Studio Workshops

A minimum of 3 hours from Advanced studio courses: Pre-requisites may apply for some upper level studio courses (see catalog). Students may take up to 15 hours of Advanced Studio Workshops.

ART 2111C	Advanced Ceramics	3 hours
ART 2520C	Advanced Painting	3 hours
ART 2702C	Advanced Sculpture	3 hours
ART 4223	Advanced Electronic Media	3 hours
ART 4320C	Advanced Drawing	3 hours
ART 4402C	Advanced Printmaking	3 hours
FIL 4520C	Advanced Film	3 hours
PGY 2410C	Advanced Photography	3 hours

**TOTAL 3 hours**

### IV. Theme Studios

A minimum of 6 hours from selected Theme Studio courses which are team taught by two or more faculty from different media disciplines. Topics may include space/time, the body, social context, mythologies, etc. May be repeated for up to 12 hours.

**TOTAL 6 hours**

### V. Art History

A minimum of 12 hours in the following history courses:

ARH 4100	Prehistoric & Ancient	4 hours
ARH 4170	Greek & Roman	4 hours
ARH 4200	Medieval	4 hours
ARH 4301	Renaissance	4 hours
ARH 4350	Baroque and Rococo	4 hours
ARH 4430	19th Century	4 hours
ARH 4450	20th Century**	4 hours
ARH 4520	African	4 hours
ARH 4530	Oriental	4 hours
ARH 4796	Critical Studies	4 hours

**TOTAL 12 hours**

\*4 hours may be taken in critical studies seminars either ARH 4790 or ARH 4796

\*\*ARH 4450 is required of all majors and should be taken simultaneously with the Advanced Studio Workshops and Theme Studios

### VI. Additional Requirements

ART 4955	Senior Projects*	2-4 hours
ART 3939	The Real World**	2 hours
Expanded Contexts***		2-4 hours

**TOTAL 6 hours**

\*Required of all majors

\*\*Professional Practice. Required of all majors. Should be taken during the student's junior year.

\*\*\*Required of all majors (New York City Program, Paris Program, London Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships)

### VII. Recommendations

Students are encouraged to take additional credits in the Studio Workshops and Theme Studio Courses to fulfill art electives. Honors studio courses are offered every semester and can be used to complete studio electives.

**TOTAL ART HOURS 53 hours**

### Total Semester Hours for the B.A. degree in Art Studio:

General Education	36 hours
Exit Requirements	9 hours
Free Electives	16 hours
(Max. 6 hrs ART)	
Special Requirements	6 hours
Art Requirements	53 hours

**TOTAL 120 Hours**

Note: All Students earning a B.A. degree in Fine Arts must complete the Foreign Language Requirement

### ART HISTORY B.A. DEGREE

#### I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

ARH 2050	History of Visual Art I	3 hours
ARH 2051	History of Visual Art II	3 hours
ARH 3001	Introduction to Art	4 hours



ART 2201C Fabrications	4 hours
<b>TOTAL</b>	<b>14 hours</b>

**II. Art History Required Courses**

ARH 4450 20th Century	4 hours
ARH 4937 Seminar in the History of Art History (This course is only offered in the Fall Semester)	4 hours
<b>TOTAL</b>	<b>8 hours</b>

Plus: Minimum of 12 hours in the following history courses:

<b>III. Art History Survey</b>	
ARH 4100 Prehistoric & Ancient	4 hours
ARH 4170 Greek & Roman	4 hours
ARH 4200 Medieval	4 hours
ARH 4301 Renaissance	4 hours
ARH 4350 Baroque and Rococo	4 hours
ARH 4430 19th Century	4 hours
ARH 4450 20th Century*	4 hours
ARH 4520 African	4 hours
ARH 4530 Oriental	4 hours
<b>TOTAL</b>	<b>12 hours</b>

\*ARH 4450, 20th Century is required of all art history majors.

**IV. Art History Critical Studies**

ARH 4796 Critical Studies in Art History (A minimum of 12 credit hours)	
<b>TOTAL</b>	<b>12 hours</b>

**V. Plus**

Expanded Contexts: required of all majors (New York City Program, Paris Program, Public Art, Museum Internships, Community Art, Artists Internship/Apprenticeships)	2 hours
<b>TOTAL</b>	<b>2 hours</b>

**VI. Recommendations**

Students are encouraged to take additional credits in Art History critical studies courses and Art History survey courses. The courses offered in Photo History and Film and the Avant Garde are recommended to Art History majors as courses to be used to complete Art History electives.

**TOTAL ART HISTORY 48 hours**

**Total semester Hours for the B.A. degree in Art History**

General Education	36 hours
Exit Requirements	9 hours
Free Elective (Max. 10 hrs in Art)	21 hours
Special Requirements	6 hours
Art Requirements	48 hours
<b>TOTAL</b>	<b>120 hours</b>

Note: All Students earning a BA degree in Fine Arts must complete the Foreign Language Requirement

**• Requirements for the Academic Minor in Art**

Course distribution and requirements:

**Studio Concentration**

Total number of hours required: 23 hours minimum

**I. Art Area Preparation**

ARH 2050 History of Visual Art I	3 hours
ARH 2051 History of Visual Art II	3 hours
ARH 3001 Introduction to Art	4 hours
ART 2201C Fabrications	4 hours
<b>TOTAL</b>	<b>14 hours</b>

**II. Art Studio**

Beginning Studio Workshop	3 hours
Advanced Studio Workshop	3 hours
Theme Studios	3 hours

**OR**

Beginning Studio Workshop	6 hours
Advanced Studio Workshop	3 hours
or Theme Studio	3 hours
<b>TOTAL</b>	<b>9 hours</b>

**Art History Concentration**

Total number of hours required: 22 hours minimum

**I. Art History Preparation**

ARH 2050 History of Visual Art I	3 hours
ARH 2051 History of Visual Art II	3 hours
ARH 3001 Introduction to Art	4 hours
ART 2201C Fabrications	4 hours
<b>TOTAL</b>	<b>14 hours</b>

**II. Art History**

20th Century Art	4 hours
Art History Survey	4 hours
<b>TOTAL</b>	<b>8 hours</b>

**• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

ART 1201/1202	Design I and Design II
ART 1300/1301	Drawing I and Drawing II
ART 2050/2051	Art History Survey I and Art History Survey II
ART 2XXX	Any introductory media course, 6-9 semester hours

**■ ART EDUCATION****• Requirements for the B.S. Degree (ARE)**

The Art Education curriculum is designed to serve students who wish to develop their artistic competence and have a commitment to help develop a similar artistic potential in other people.

Art Education majors may specialize in one area of the Art Department or become generalists by taking various studio classes.

For other degree requirements not listed below, please see the College of Education requirements and the University's General Education and graduation requirements.

In addition to the general distribution and professional education requirements, the following courses constitute a program of study:

**Art Education (15 credit hours)**

ARE 3044	ARE 4443	
ARE 3354	ARE 4440	ARE 4642

In these courses students will have the opportunity to work at the elementary school and high school levels.

**Specialization (36 cr. hours)**

ART 2400C	ART 2510C	ART 2701C
ART 3110C	ART 4402C	ARH 4450
Art Studio Electives approved by adviser		
Art History Elective		

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

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 minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have 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.

Courses that transfer: art history, art studio - evaluated by College of Fine Arts by portfolio only.

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.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted)

If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

ART 1300/1301 Drawing I and Drawing II

ART X205/X206 Color Fundamentals, 6 semester hours

ARH 2050/2051 Art History Survey I and Art History Survey II

Plus two of the following courses:

ART X510 Painting

ART X400 Printmaking

ART X100 Crafts

At least one course taken to meet the natural science requirements in General Education must include a laboratory

**Visiting Artists and Artist-In-Residence**

The Art Department is widely known for the consistent level of excellence of its programs. Aside from the contributions of its permanent staff, and to insure the continuing expansion of learning opportunities available to students, the Art Department has brought to the campus internationally known artists and lecturers such as Alice Aycock, Linda Benglis, Jack Burnham, James Casebere, Robert Colescott, Michael Dvortsak, Edward Fry, Adam Gopnik, The Guerrilla Girls, Nancy Holt, Barbara Kruger, Donald Kuspit, Alfred Leslie, Komar and Melamid, Marlon Riggs, Tim Rollins, Alison Saar, Lorna Simpson, Miriam Shapiro, Robert Stackhouse, Sidney Tillum, Martha Wilson, and Elyn Zimmerman.

**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 Matt Mullican, Robert Stackhouse, Pat Steir, Tyler Turkle, and Robin Winters, as well as internationally recognized artists from African, Europe, and Latin America, such as Leo Copers, Patrick Corillon, Alfredo Jaar, Antonio Martorelli, Pepon Osorio, and Peter Weibel. The Museum also houses the University's art collection with exceptional holdings in graphics, sculpture multiples, and recent photography. The Museum is actively engaged in commissioning architecturally related public art projects designed to enhance the public spaces on the USF campus. Recent projects include works by Dale Elred, Richard Fleischner, Doug Hollis, Nancy Holt, Ned Smyth, and Elyn Zimmerman. USF CAM organizes symposia, lectures, workshops, and visiting artist presentations to engender interest in contemporary art, educate the public and facilitate the exchange of ideas

among artists, museum members, experts in the art field, and the community. The exhibition, educational programs, and art collection serve as an integral part of the studio and art history curriculum of the Art Department and other liberal studies areas while enhancing the cultural vitality of the campus and Tampa Bay communities.

■ **DANCE (DAN)**

The dance program offers professional preparation through a curriculum of study leading to a B.A. in Dance with an emphasis in Ballet, Modern Dance, or Dance Education. There is an expressed commitment to the development and production of original creative works as extensions of studio/classroom experiences, of faculty research, and in interaction with guest artists.

The presentation of dance in concert is essential to the educational mission, and provides students and the community with frequent opportunities for expanding aesthetic experiences.

Through intensive study in dance technique, creative studio studies and dance theory, students are prepared for careers in performance, choreography, and education. Additional preparation in graduate programs may lead to opportunities in Dance Sciences/Medicine, Dance Therapy, Arts Management, Performance, Choreography, or Interdisciplinary Studies.

Admission to the Dance Department is contingent upon acceptance by the University and successful completion of a performance audition. Students must complete the audition prior to Orientation and registration for Dance courses.

• **Requirements for the B.A. Degree  
PERFORMANCE CONCENTRATION**

*Modern Emphasis*

**Studio Technique**

DAA 3105	Modern Dance III	6
DAA 4106	Modern Dance IV	8
DAA 3204	Ballet II	3
DAA 3205	Ballet III	3
DAA 4930	World Dance	1

**Creative Studio Studies**

DAA 2700	Choreography I	2
DAA 3701	Choreography II	2
DAA 4702	Choreography III	2
DAA 4703	Choreography IV	2
DAA 2480	Jr. Performance Project	1
DAA 3480	Performance	1
DAA 4790	Sr. Choreographic Project	1

**Dance Theory**

DAN 4930	Seminar: Dance as an Art Form	2
DAN 2611	Music for Dance II	2
DAN 4111	Survey Dance History	3
DAN 4112	19 & 20th Century Dance History	3
DAN 4170	Dance Senior Seminar	2
DAN 4930	Dance Kinesiology	3
DAN 4300	Dance Pedagogy	3
TPA 2223	Theatrecrafts Lighting	3

*Ballet Emphasis*

**Studio Technique**

DAA 3205	Ballet III	6
DAA 4206	Ballet IV	8
DAA 3220	Ballet Variations	1
DAA 2104	Modern Dance II	3
DAA 3105	Modern Dance III	3
DAA 4930	World Dance	1

**Creative Studio Studies**

DAA 2700	Choreography I	2
DAA 3701	Choreography II	2
DAA 4702	Choreography III	2
DAA 4703	Choreography IV	2
DAA 3480	Jr. Performance Project	1
DAA 2480	Performance	1
DAA 4790	Sr. Choreographic Project	1



**Dance Theory**

DAN 4930	Seminar: Dance as an Art Form	2
DAN 2611	Music for Dance II	2
DAN 4111	Survey Dance History	3
DAN 4112	19 & 20th Century Dance History	3
DAN 4170	Dance Senior Seminar	2
DAN 4930	Dance Kinesiology	3
DAN 4300	Dance Pedagogy	3
TPA 2223	Theatrecrafts Lighting	3

**DANCE EDUCATION CONCENTRATION**

The Dance Education Curriculum is designed for students who wish to develop a high level of expertise in dance and have a commitment to the development of individual potential in others. The Curriculum is designed to meet the requirements for certification in Dance Education K-12 in the State of Florida.

Admission to Dance Education is contingent upon application to the program, successful audition in both Ballet and Modern Dance Technique, and acceptable academic standards (See University Requirements. Note: Students on academic appeal/or probation may not be considered for Dance Education Specialization until successful completion of their Sophomore year.)

Dance Education Students are expected to maintain a 3.0 in all Dance Major courses and an overall 2.5 GPA to be admitted to the College of Education/Professional Preparation Courses of Study. (See Special Requirements for admission and internship established by the College of Education.) Students are expected to maintain this grade point average through the completion of the Internship in Dance Education.

In order to be admitted to Dance Education Specialization, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during Semester I of each year.

In addition to applying to the University, students must also apply directly to the Department of Dance before March 1 for priority admission consideration. Students applying after May 1 will be accepted only on a space available basis. Requests for admission to the Dance Education Specialization should be directed to:

Dr. Timothy Wilson, Chairman  
Department of Dance  
College of Fine Arts  
University of South Florida  
4202 E. Fowler Ave. FAD 204  
Tampa, FL 33620

**Studio Technique**

(16 Semester hours minimum)

Note: Of the 12 hours in Ballet and Modern Dance, 6 hours must be in Ballet; 6 hours must be in Modern Dance; and at least 3 of these hours must be at the 3000 or 4000 level. Based on the student's progress in technique development, courses may include:

DAA 3204	Ballet II	3
DAA 3205	Ballet III	3
DAA 4206	Ballet IV	4
DAA 2104	Modern II	3
DAA 3105	Modern III	3
DAA 4106	Modern IV	4

Additional Required Studio Technique Courses Include:

DAA 3502	Jazz II	2
DAA 4930	Survey Ethnic/Folk Dance	2

**Creative Studio Studies (10 semester hours)**

DAA 3704	Dance Improvisation	2
DAA 2700	Choreography I	2
DAA 3701	Choreography II	2
DAA 4702	Choreography III	2
DAA 4703	Choreography IV	2
DAA 3480	Jr. Performance Project	1
DAA 2480	Performance	1

**Dance Theory (19 semester hours)**

DAN 4930	Seminar: Dance as an Art Form	2
DAN 2611	Music for Dance II	2

DAN 4930	Dance Kinesiology	3
DAA 3800	Movement Analysis	2
DAN 4111	Survey History of Dance	3
DAN 4112	19 & 20th Century Dance History	3
TPA 2223	Theatrecrafts Lighting	3

**Professional Preparation**

EDF 3604	Social Foundations of Education	3
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**OR**

EDF 3542	Philosophy of Education	4
EDF 3122	Learning and the Developing Child	4

**OR**

EDF 3214	Human Development and Learning	3
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EDG 4620	Curriculum and Instruction	3
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EDF 4430	Measurement for Teachers	3
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EEX 3010	Introduction to Special Education	3
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DAE 4300	Dance Pedagogy: Secondary Curriculum and Methods	3
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DAE 4300	Dance Pedagogy: Pre-K and Elementary Methods	3
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DAE 4942	Internship in Dance	10
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DAE 4176	Seminar in Dance Education	2
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**Dance Minor Program**

A minimum of 20 hours is required for a dance minor. Five hours must be in DAN courses. Ten of the 20 hours must be upper level (3000 and 4000) courses. Studio Dance courses can be repeated only once toward minor degree.

Courses for lower level

Select from:

Theatre Dance Styles	DAA 2000 (2)
Introduction to Dance - 6A	DAN 2100 (3)
Fundamentals of Modern Dance I	DAA 2100 (2)
Modern Dance II	DAA 2104 (3)
Fundamentals of Ballet I	DAA 2200 (2)
Ballet II	DAA 3204 (3)
Fundamentals of Jazz Dance	DAA 2500 (2)
Music for Dance I	DAN 2610 (2)
Music for Dance II	DAN 2611 (2)
Dance Improvisation	DAA 3704 (2)

Courses for Upper Level (minimum of 10 hours required)

Select from:

Movement Theory & Body Alignment	DAA 3800 (2)
Modern Dance III	DAA 3105 (3)
Ballet III	DAA 3205 (3)
Ballet Variations	DAA 3220 (1)

1. Pointe Class
2. Men's Class
3. Character Dance

Performance	DAA 2480 (1)
Jazz Dance	DAA 3502 (2)
Jazz Theatre Dance	DAA 3503 (3)
Practicum in Dance Production	DAN 3590 (1)
Choreography I	DAA 3700 (2)
Choreography II	DAA 3701 (2)
Survey History of Dance - 6A	DAN 4111 (3)
19th & 20th Century Dance	DAN 4112 (3)
Modern Dance IV	DAA 4106 (4)
Ballet IV	DAA 4206 (4)

The Teaching of Dance: Theory & Practice	DAE 4300 (1)
Choreography III	DAA 4702 (2)
Choreography IV	DAA 4703 (2)
Selected Topics in Dance	DAN 4930 (1)
1. Massage for Dance	
2. Movement Lab	

**Department Policy For Academic Progress**

Among elective hours, 6 credit hours of dance electives may apply toward the Dance Degree. Nine elective hours must be

taken outside of the Dance Department. Of the 6 hour Special College of Fine Arts requirement TPA 2223 may count as 3 of those hours.

All dance majors are required to participate in production practicum during their first year in the program. Junior dance majors are required to perform in a work created by one of the Seniors. Senior dance majors are required to choreograph a group work and choreograph and/or perform a solo in fulfillment of the requirement for Senior Choreographic Project. Senior Project is designed to occur over two semesters.

Entrance to all major technique courses is by faculty audition. Until the student is accepted into Modern Dance III or Ballet III he/she will be considered as a probationary dance major. DAA 2104 or DAA 2204 may be repeated only once for credit toward degree requirements.

Prospective majors must contact the dance department to arrange for an audition prior to registration.

### Critiques

1. All students will be evaluated periodically at faculty sessions as well as critiqued each semester; majors will be advised accordingly.
2. If a student evidences deficiency in some area or in continuing progress toward the degree, the student may be placed on probation within the department.
3. Failure to make satisfactory progress after being placed on probation the following semester shall constitute grounds for Departmental recommendation to drop and discontinue the major.

### Minimum Grade for Dance Courses

A student must receive a "C" grade or better in required major courses. Should a student fail to do so, the course(s) in which the student received a "D" or "F" must be repeated and a "C" grade or better earned.

### Additional Standards

In addition to meeting the specific requirements and standards discussed above, the student and adviser will periodically evaluate the student's general progress. A less-than-satisfactory 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 are:

1. Adequate technical skill and adaptability.
2. Evidence of creative potential.
3. "B" average in major studio classes.
4. Good health which includes adequate control of body weight.

Class probation and department probation require review, i.e., reinstatement in good standing or recommendation to drop major.

A dance major is expected to keep his/her weight at a level that is aesthetically acceptable for classroom training and all performances.

For other non-major requirements see both Fine Arts College requirements and the University's General Distribution and graduation requirements.

### • Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous

enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

DAN 1603 Music for Dance

or DAN 2610 Music for Dance I

TPA 2200 Theatrecrafts: Stagecraft

or TPA 2223 Theatrecrafts: Lighting

or TPA 2200 Theatrecrafts: Costume

DAA X200-X209 Ballet Techniques, 9 semester hours

DAA X200-X209 Modern Techniques, 9 semester hours

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.

Students are encouraged to complete the following required courses and/or electives (if available) during the program of study at the community college.

#### Modern Concentration-Dance Required Courses:

Modern Dance Technique	12
Composition (Designing, Dance Movement, Choreography)	2
Basic Stage Lighting	2
Dance electives (e.g., jazz, ethnic presented for advisor's evaluation)	2

#### Ballet Concentration-Dance Required Courses:

Ballet Technique	12
Composition (Designing, Dance Movement, Choreography)	4
Basic Stage Lighting	2
Dance electives (e.g., jazz, ethnic presented for advisor's evaluation)	4

Transfer dance credits must be presented for evaluation by faculty and dance advisor at time of entrance.

### Visiting Artists and Artists-in-Residence

By supplementing its excellent ongoing regular staff-instructed dance curriculum with other professional resources made available through the Visiting Artist and Artist-in-Residence programs, the Dance department provides for dance students an overall dynamic program for practice, study, and learning.

## ■ MUSIC (MUS)

### • The B.M. Degree (Performance, Composition and Jazz Studies)

The music curriculum is designed for students gifted in the performance and/or composition of music. Candidates for a major in music are required to pass an entrance audition in their respective performance areas. Composition candidates are required to submit appropriate scores and/or tapes of their compositions for faculty appraisal. All students admitted to the degree program must pass a music theory diagnostic examination prior to scheduling music theory classes. Students may obtain dates and times for these examinations from the School of Music.

Academic programs offered include: Bachelor of Music in Performance (voice, organ, piano, piano pedagogy, and orchestral instruments), Composition, and Jazz Studies (composition and performance).

### General Requirements

All students seeking a Bachelor of Music degree are required to (1) complete successfully the piano proficiency (jazz piano



proficiency required instead for all jazz majors) and music theory-history-literature requirements; (2) present a partial recital during the junior year (except composition majors); (3) present a full recital during the senior year (except music education majors); (4) present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty). Students must be enrolled in applied music studio during the semester of the recital. Other procedures are mandated through the student handbook of the School of Music. Exceptions to all departmental procedures must be authorized through the Director of the School of Music.

Promotion to the next higher level in applied music is made only upon the recommendation of a performance jury conducted by that concentration's faculty. Where appropriate for the degree, the student is required to complete a minimum of two semesters, but no more than three semesters at the 2000 or 3000 level of applied music. Failure to complete these levels within the three semester maximum brings automatic dismissal from the program. Students may repeat the 4000 level as necessary to fulfill the total credit hour requirement (3000 level for composition or music education). Credit for only 2 semesters of applied music at the 1000, 2000, or 3000, levels will be applied toward the degree.

### Core Requirements for all Performance, and Composition Concentrations

#### Music Theory (22)

MUT 1111 (3)	MUT 2116 (3)	MUT 4571 (3)
MUT 1112 (3)	MUT 2117 (3)	MUT 4411 (3)
MUT 1241 (1)	MUT 2246 (1)	or
MUT 1242 (1)	MUT 2247 (1)	MUT 4421 (3)

#### Music Literature (3)

MUL 2111 (3)\*

\*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

#### Music History (8)

MUH 3301 (3)\* MUH 3302 (3)\*  
MUH 3300 (2) or MUH 4058 (3) or MUH 4801 (3)

\*Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

#### Conducting (2)

MUG 3101

#### Senior Seminar (1)

MUS 4935 (1)

#### Ensemble

Performance Majors (8), Composition (8)

All undergraduate students enrolled in applied music for 3 or 2 credit hours are required to be enrolled in a major ensemble appropriate to their performing medium.

Music Electives (12-13 hours)

#### Fine Arts Requirement (6 hours)

Music majors should take one 3-hour Fine Arts course certified in Historical Perspectives and one 3-hour Fine Arts course certified in the Fine Arts Perspective of the Liberal Arts Curriculum in order to graduate within 120 semester credit hours.

### Core Requirements for Jazz Studies Performance and Jazz Studies Composition Concentrations

#### Music Theory (26)

MUT 1111 (3)	MUT 2116 (3)	MUT 3641 (2)
MUT 1112 (3)	MUT 2117 (3)	MUT 3642 (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)

\*Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

#### Conducting (2)

MUG 3101

#### Senior Seminar (1)

MUS 4935 (1)

#### Elective Hours in Music (9)

#### Ensemble:

Performance (8), Composition (8)

All students enrolled in applied music for 3 or 2 hours are required to enroll in a major ensemble appropriate to their performing medium.

## Additional Requirements for Specific Concentrations

### Performance Concentration

A total of 24 credit hours of applied music major is required with a minimum of 6 hours to be completed at the 4000 level and concurrent registration in MUS 2010 (Recital Attendance).

Performance majors in voice must "elect" to enroll for MUS 3201 for a total of 3 credits as a part of the Music Electives and MUO 3501 for 2 credits as a part of the Ensemble hours. Additionally, there is a program exit requirement of earned credit or the equivalent in beginning French, German, and Italian languages.

Performance majors in piano are required to "elect" to enroll in MVK 4640 for 4 credits as a part of the Music Electives.

The following requirements for the piano pedagogy emphasis are to be taken as a part of the Music Electives:

MVK 4640 (4) MVK 4641 (4)

Junior and senior recital requirements may be fulfilled in one of the following ways; (1) lecture/recital, (2) ensemble performance, (3) recital.

### Jazz Studies Concentration

#### Performance Emphasis

The following courses are required in addition to the core requirements:

MUT 3663 (2) MUT 3664 (2)

Applied music (major) through the 3000 level (min. of 18 hours).

The first 4 semesters and a sophomore level jury are under the guidance of the traditional applied faculty for all wind students, after which they will move from that studio to the studio of the Associate Director of Jazz Studies for their final semesters of applied studies.

Jazz piano proficiency required.

#### Composition Emphasis

The following courses are required in addition to the core requirements:

MUC 2221 (6) MUC 4204 (3) MUC 4203 (3)

Elective Composition (6)

Applied music (principal) with a minimum of 4 hours at the 2000 level.

Jazz piano proficiency required.

### Composition Concentration

All students seeking a degree in music with a composition concentration are required to fulfill the senior composition requirements (with the approval of the entire composition faculty) in one of the following ways; (a) a complete public performance of works by the student composer, (b) the public performance of several compositions in various concerts throughout the composer's senior year, (c) the formal presentation to the composition faculty of an extensive portfolio of compositions plus the public performance of at least one of these works during the senior year, or (d) in other ways designated by the composition faculty.

#### Applied Music (Principal) (8)

A minimum of 8 credit hours of applied music is required with a minimum of 4 credit hours at the 2000 level and concurrent registration in MUS 2010 (recital attendance).

#### Composition Courses (24)

MUC 2221 (3) MUC 3401 (3) MUT 4311 (3)  
MUC 3231 (3,3) MUC 2301 (3)

For other degree requirements for all the above concentrations, see Fine Arts College requirements and the University's General Education and graduation requirements.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency audition but credit hours are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

- MUT 1111 Music Theory  
or MUT 1121, 1122, 2126, or 2127
- MUT 1112 Music Theory  
or MUT 1121, 1122, 2126, or 2127
- MUT 2116 Music Theory  
or MUT 1121, 1122, 2126, or 2127
- MUT 2117 Music Theory  
or MUT 1121, 1122, 2126, or 2127
- MUT 1241 Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
- MUT 1242 Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
- MUT 2246 Advanced Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
- MUT 2247 Advanced Aural Theory  
or MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277
- MUN XXXX Chamber Music Ensemble, 4 semester hours
- MVX 1X1X Secondary Applied Music Courses, 2-4 semester hours
- MVX 2X2X Secondary Applied Music Courses, 2-4 semester hours
- Secondary Piano Proficiency by Examination  
or MVK 1111, 1112, and 2122  
or MVK 1111r, 1112r, 2121r, and 2121r  
or MVK 1211 and 2221

Electives: Music credits beyond those required may be used as program electives.

## ■ MUSIC EDUCATION

### • Requirements for the B.S. Degree (MUE):

The music education curriculum is designed to serve students who wish to develop a high level of musical expertise and have a commitment to help develop similar musical potential in other people.

All students seeking a degree in music education are required to pass an audition in their respective performance area and to take a music theory placement test prior to registering for any music theory class. Students may obtain the dates for these examinations from the music office.

Special requirements for all music education majors; successful completion of the piano proficiency requirements as defined by the music and music education faculties; participation in a major performing ensemble each semester the student is enrolled in applied music; and the presentation of a one-half hour recital in the major performing medium during the last semester of enrollment in applied music.

Students are to present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty).

Note exceptions applicable to this program.

**Professional Education Requirements** (course descriptions can be found in the College of Education portion of this catalogue)

#### Lower Division

EDG 2701	Teaching Diverse Populations	(3)
EDF 2005	Introduction to Education and Field Experience	(3)
EME 2040	Introduction to Educational Technology	(3)
MUE 2090	Theoretical Bases of Music Education	(2)

#### Upper Division

EDF 3214	Human Development and Learning	(3)
EDF 3604	Social Foundations of Education	(3)
EDF 4430	Basic Concepts of Educational Measurements	(3)
EEX 4070	Exceptional Students	(2)
MUE 4936	Senior Seminar	(3)
MUE 4940	Internship	(9)

#### Music Education courses

(32-34 hours)

MUE 2090 (3)	MUE 3421 (1)	MUE 3422 (1)
MUE 3423 (1)	MUE 4311 (3)	MUE 4330 (3)
MUE 4331 (3)	MUE 4332 (3)	MUE 4936 (3)
MUE 4960 (9)		

MUE 3450 (1)\* and/or (depending on professional focus)  
MUE 3451 (1)

MUE 3460 (1)\*\* and/or (depending on professional focus)  
MUE 3461 (1)

\* Not required of woodwind majors

\*\* Not required of brass majors

#### Music courses

(30+ hours)

MUL 2111 (3)*	MUG 3101 (2)	MUH 2051 (3)**
MUH 3301 (3)***	MUH 3302 (3)***	MUT 1111 (3)
MUT 1112 (3)	MUT 1241 (1)	MUT 1242 (1)
MUT 2116 (3)	MUT 2117 (3)	MUT 2246 (1)
MUT 2247 (1)		

\* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

\*\* This course also satisfies 3 hours of ALAMEA Perspectives in the Liberal Arts Curriculum.

\*\*\* Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

**Applied Music (Principal)** 12 cr. hrs. with a minimum of 4 hours at the 3000 level and concurrent registration in MUS 2010.

**Music electives** (3-5 hours)

**Applied Music Secondary Techniques** (2-3 hours)

MVP 1211, MVS 1211. One hour of choral ensemble is required for all non-voice majors.



**Major performing ensembles** (6 hours)

Minimum of one per semester of applied music

**Graduating recital****Piano proficiency requirement****Fine Arts Elective** (3 hours)

Music Education majors must take 3 hours in the Art, Dance, or Theatre departments. Students should make certain that this 3-hour course is certified in the Fine Arts Perspectives of the Liberal Arts Curriculum in order to graduate within statutory limits/guidelines.

• **Requirements for a Minor in Music**  
(19-23 semester hour minimum)

Students seeking a minor in music may choose from three concentrations: (1) History-Theory-Literature, (2) Applied Medium and (3) Composition. Each of the concentrations will include the same core curriculum consisting of 11 hours.

1. **Core Curriculum:** 11 hours
  - Music Theory (8)
  - Introduction to Music Literature (3)
  - or
  - Music History (3)
2. **Optional Concentrations:**
  - a. History-Theory-Literature 9-10 hours
    - Music History and/or Theory and/or Literature (7-8)
    - Music Ensemble (2)
  - b. Applied Music (Principal) 8-12 hours
    - Performance Studio courses which may include up to 2 semester hours of class-studio (6-8)
    - Music Ensembles (2-4)
    - MUS 2010 Recital Attendance concurrent with applied music (principal) registration.
    - Faculty jury recommendations for sophomore-level studio study (minimum).
  - c. Composition 9 hours
    - Introduction to Electronic Music (2)
    - Composition Studio courses which may include one course of orchestration (6)
    - Music Ensemble (1)
3. **Admission** to all 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.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency audition but credit hours are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated

otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

EDF 1005 Introduction to Education

EDG 2701 Teaching Diverse Populations

EME 2040 Introduction to Educational Technology

(Equivalent course or demonstrated competency may be substituted).

MUT 1111 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 1112 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 2116 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 2117 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 1241 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 1242 Music Theory

or MUT 1121, 1122, 2126, or 2127

MUT 1241 Aural Theory

or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 1242 Aural Theory

or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 2246 Advanced Aural Theory

or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MUT 2247 Advanced Aural Theory

or MUT 1221, 1222, 2226, 2227, 1261, 2266, 2267, 1271, 1272, 2276, or 2277

MXV 1X1X Secondary Applied Music Courses, 2-4 semester hours

MXV 2X2X Secondary Applied Music Courses, 2-4 semester hours

MUN XXXX Chamber Music Ensemble, 4 semester hours

Secondary Piano Proficiency by Examination

or MVK 1111, 1112, and 2122

or MVK 1111r, 1112r, 2121r, and 2121r

or MVK 1211 and 2221

**Admission Requirements to the University Program of Study**

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

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

Introduction/General Psychology and Sociology are recommended.

Music students must be accepted by audition in their performance area by the School of Music. A music theory placement examination will be administered prior to initial registration in the music theory course sequence.

**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 Ars Nova Quintet, the Faculty Jazz Quartet, and the Metropolitan Arts Trio provide an important musical contribution to campus and Tampa area cultural life, and many music faculty perform in professional music ensembles across west central Florida.

## Student Organizations

Sigma Alpha Iota, Phi Mu Alpha Sinfonia, and Pi Kappa Lambda honorary music organizations maintain active chapters in the School of Music. Additionally, chapters of the College Music Educators National Conference and International Association of Jazz Educators provide an important liaison with other professional musicians and teachers.

## Financial Aid

A significant number of students studying in the School of Music qualify for some degree of financial assistance. Financial aid is offered on the basis of talent, academic promise, and need. Students awarded financial assistance from the School of Music need not pursue a degree in music, but must follow specific guidelines concerning the awarding of monetary assistance. These guidelines are available from the Director of the School of Music. Write to the School of Music for specific dates each year. In addition to general university and School of Music scholarships, there are a number of donated awards. Among these are the Dawn Zimmerman Flute Scholarship, Mary Corey Bogdonas Scholarship, Steve Penovich Scholarship, Marjorie Roe Cello Scholarship, Zbar Piano Award, and the Virginia A. Bridges Music Education Award.

## Visiting Scholars, Artists, and Artists-in-Residence

The School of Music utilizes guest composers, conductors, and performing musicians to enhance its offerings in terms of teaching faculty, forum appearances, and the conducting of musical programs, symposia, and clinics. Some prominent musicians 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, Norman Luboff, Maurice Andre, Phil Woods, Jean Pierre Rampal, David Baker, Adele Adison, John Cage, Byron Janis, Karel Husa, Louis Bellson, Leslie Bassett, David Samuels, Samuel Adler, Julius Baker, Gunther Schuller, Ransom Wilson, Robert Merrill, T. J. Anderson, Doc Severinsen, Hale Smith, Bethany Beardslee, George Russell, Robert Shaw, Art Blakey, Toshiko Akiyoshi, Andre Watts, Christopher Hogwood, Howard Gardner, Edwin Gordon, Peter Webster, Bennett Reimer, David Elliott, and Elliot Eisner.

## THEATRE (TAR)

### The Department Major

The Department of Theatre is fully accredited by the National Association of Schools of Theatre (NAST). Through its curriculum and production program, the Department of Theatre offers seriously interested students the opportunity to prepare themselves, 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 who have used what they have learned from us and with us in theatre, film, television, and a variety of other careers.

The department's mission is to educate students in the art of theatre, to conduct original research, and to present challenging productions to the university and Tampa Bay communities.

Students may graduate with a broad based theatre arts degree, or they may specialize in performance, design, or theatre education. Computer assisted design (CAD), playwriting, stage combat, circus skills, musical theatre, and puppetry are among the many electives available.

### Special Features

1. The endowed *British International Theatre Program (BRIT)* brings five or more professional artists from the UK to work with upper level students for 6-8 weeks each spring semester.

2. The John W. Holloway endowed chair in theatre and dance provides funds annually for guest artist residencies.

3. USF's Theatre Department has a formal student Exchange Program with Middlesex University in London, England.

4. The Theatre Department Honors Program allows small select groups of upper division students to work on special projects with faculty and guest artists for up to one year.

## Visiting Artists and Artists-in-Residence

TheatreUSF actively promotes guests on campus. A representative list of artists from the last ten years includes: Abel and Gordon, Peter Barkworth, Bill Bryden, Daniel Chumley, Matthew Francis, George Froscher, Christopher Fry, John and Lisel Gale, Patrick Garland, Ronald Harwood, Jeff Jones, Sam Mendes, Bob Moody, Eric Overmyer, Louise Page, Estelle Parsons, Olga Petrovna, Roni Pinkovitch, L. Kenneth Richardson, Lord Brian Rix, Dorothy Tutin, Robert Wierzel, and Jose Yglesias. These and others have helped the department develop relationships with: Greenwich Theatre (London), 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 the Habimah Theatre in Israel.

## Requirements for the B.A. Degree with a major in Theatre

Of the total 120 credit hours needed for graduation in the Performance, Design, or Theatre Arts areas, the student following the Performance area must take a minimum of 54 credit hours, and the student following the Design area or Theatre Arts area must take a minimum of 55 credit hours within the Department of Theatre. In addition, a maximum of 7 credit hours (Performance) and a maximum of 6 credit hours (Design or Theatre Arts) may apply to the theatre electives area.

**NOTE:** The Theatre Education Track is currently under revision.

The student may choose one of four areas for the B.A. degree: Performance, Design, Theatre Arts, or Theatre Education. Common to all is the following core:

### Core Curriculum (35 hours)

#### First Year (11 credit hours)

THE 2020 Theatre Fundamentals  
TPA 2200 Theatre Crafts: Stagecraft  
TPP 2110 Voice-Body Improvisation  
Choice of one:  
TPA 2223 Theatre Crafts: Lighting  
TPA 2232 Theatre Crafts: Costume

#### Second Year (10 credit hours)

THE 3110 Theatre History -XMW  
TPA 3004 Means of Visual Expression  
TPP 3111 Workshop for Text Analysis

#### Third Year (8 credit hours)

Choice of two:  
THE 4320 Theatre of Myth and Ritual -XMW  
THE 4330 Shakespeare for the Theatre -XMW -XLW  
THE 4360 19th Century Theatre Revolution -XLW  
THE 4401 O'Neill and After -XMW  
THE 4435 Theatre of Pluralism -6A -XMW  
THE 4442 Comedy of the Classic and Neo-Classic Stage -XLW

THE 4480 Drama - Special Topics  
THE 4180 Theatre Origins (XMW) may substitute as a second literature course.  
plus 2 credits of THE 3925 for PI

#### Fourth Year (6 credit hours)

Choice of one:  
THE 4180 Theatre Origins -XMW  
THE 4562 Contemporary Performance Theory -XMW  
plus 2 credits of THE 4927 for PI



Theatre Crafts Lab: TPA 2200 Theatre Crafts Stagecraft, TPA 2223 Theatre Crafts Lighting, TPA 2232 Theatre Crafts Costume has a laboratory (LAB) in addition to the regularly scheduled class sessions. LAB guidelines are available in the Theatre office.

**Production Involvements:** All Theatre Majors must complete 4 PI's (Production Involvements) as part of their graduation requirements. PI's must be taken under THE 3925 Production Involvement and/or THE 4927 Advanced Production Involvement for a total of 4 PI's. Students may register for PI credit beginning in the second semester of the Sophomore year upon completion of 45 credit hours and are expected to register each consecutive semester until completion of the four involvements. PI assignments are made by faculty committee following the student's completion of a PI request form and registration in the course. PI guidelines and request forms are available in the Theatre Office.

**Audition and Portfolio Review:** All students desiring admittance into the Scene Study sequence must audition and those entering the upper level design sequence must present a portfolio. This normally occurs after the completion of the sophomore year.

Required Course for Areas of Study:

#### Performance Area

(54 hours minimum with core) - 19 hours as follows:

*Third Year (10 credit hours)*

- TPP 3500 Body Disciplines
- TPP 3790 Voice Preparation
- TPP 4150 Scene Study I
- TPP 4152 Scene Study II

*Fourth Year (9 credit hours)*

- TPP 4140 Styles of Acting
- TPP 4180 Advanced Scene Study
- TPP 4920 Senior Workshop for Actors

#### Design Area

(55 hours minimum with core) - 20 hours Theatre, 4 hours Art as follows:

*Second Year (3 credit hours)*

- Complete Theatre Crafts sequence with TPA 2223 Lighting or TPA 2232 Costume
- ART 3301C Drawing I

required in the Theatre Design Area, recommended to be taken upon completion of prerequisite TPA 3004 Means of Visual Expression

*Third Year (9 credit hours)*

TPA 4208 Stagecraft and Drafting

Choice of two depending on design concentration:

- TPA 3221 Lighting: Theory and Practice
- THE 4264 History of Costume
- THE 4266 Architecture and Decor

*Fourth Year (8 credit hours)*

Choice of 2 depending on design area:

- TPA 4020 Light Design
- TPA 4040 Costume Design
- TPA 4060 Scene Design

#### Theatre Arts Area

The Theatre Arts area 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.

(55 hours minimum with core) - 20 hours as follows:

Two credit hours from any of the Performance sequence of courses (TPP) plus eighteen hours to be selected from the Theatre Department's course offerings.

#### Theatre Education Area

**NOTE:** The Theatre Education Track is currently under revision.

Completion of the Theatre Education concentration certifies students to teach in Florida, grades K-12. In addition to Department of Theatre requirements, students must meet the College of Education's upper level entrance requirements.

Theatre Courses:

(54 hours minimum with core) - 20 hours as follows:

Choice of one:

TPP 4230 Laboratory Workshop in Performance

TPP 4150 Scene Study I

and

TPP 4310 Directing I

plus fourteen hours to be selected from the Theatre Department's course offerings in consultation with the Theatre Department Advisor

Education Courses:

Foundations:

EDF 3214 Human Development and Learning

EDF 3604 Social Foundations of Education

or

EDF 3542 Philosophy of Education

EDG 4620 Curriculum and Instruction

EDF 4430 Measurement for Teachers

EEX 4070 Integrating Exceptional Students in the Regular

Classroom

EME 4402 Introduction to Computers in Education

Special Methods:

EDG 4320 Introduction to Creative Drama

THE 4761 Methods of Teaching Theatre for Adolescents

THE 4723 Theatre for Pre-Secondary Schools: Performance Process

or

THE 4722 Theatre for Pre-Secondary Schools: Production Process

Practice Experience:

EDG 4940 Internship

EDG 4936 Seminar

#### • Requirement for a Minor in Theatre

(23 hours minimum):

THE 2020 Theatre Fundamentals

TPA 2200 Theatre Crafts: Stagecraft

TPP 2110 Voice-Body Improvisation

THE 3925 Production Involvement

THE 4927 Advanced Production Involvement

Choice of one:

TPA 2223 Theatre Crafts: Lighting

TPA 2232 Theatre Crafts: Costume

The remaining 10 hours are to be selected by the student with the advice of the theatre advisor. At least 9 hours must be upper level courses. The Theatre Advisor will be available to assist the student in developing a course of study that will meet the needs of the individual student.

Students desiring admittance into the Scene Study sequence must audition and those entering the upper level Design sequence must have a portfolio review.

All Theatre Minors must complete 2 PI's (Production Involvement) as part of their graduation requirements. PI's must be taken under: THE 3925-Performance 1 credit and/or THE 4927 - Advanced Performance 1 credit hour for a total of two (2) hours. Students may register for PI credit in the second semester of the Sophomore year upon completion of 45 credit hours and are expected to register each consecutive semester until completion of two involvements.

#### HONORS PROGRAM

The Honors Program is available to upper level majors who have a 3.5 GPA in the major and a 3.2 overall GPA and who

have achieved a comparably high level of artistic and or scholarly achievement. A 6-8 credit one-year sequence of courses is offered to student accepted into the Honors Program. The sequence progresses from a reading seminar to a guest artist practicum to a student thesis or project.

THE 4593 2 credit hours

THE 4594 3 credit hours

THE 4595 1-3 credit hours

Guest artists have been working professionals from New York, San Francisco, Denver, Los Angeles, Munich, London, Tel Aviv.

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

Students 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 minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students need not have completed a concentration of courses in theatre in order to consider a Theatre major at USF. Admission to upper-level Theatre Performance program is by audition for each level of Scene Study. Admission to 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 (i.e., TPP 3111 Workshop in Text Analysis, or TPA 3004 Means of Visual Expression) until successful completion of the audition or portfolio review can be achieved.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the University from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

THE 2000 Introduction to the Theatre

or any introductory course from 001-035 at the 1 or 2 level

THE 2300 Script Analysis, 3 semester hours

or THE 2305

TPA 1290 Production Involvement, 1 semester hour

or THE X925, 1 semester hour

TPA 2200 Theatre Crafts: Stagecraft, 3 semester hours

or TPA 2210, 3 semester hours

TPP 1190 Studio Theatre-Cast, 1 semester hour

or TPP 2190, 1 semester hour

TPP 2100 Voice-Body-Improvisation, 3 semester hours

or TPP 2210, 3 semester hours

PLUS nine hours of any combination of THE, TPA, and TPP courses.

**British International Theatre Program (BRIT)**

The BRIT Program is available each spring semester to 16 advanced theatre students by audition. The program consists of master classes and/or production experience with select guest artists from the U.K. Advanced scene study students are eligible for tuition remission for the three credit BRIT Program course.

## FINE ARTS FACULTY

### Art

*Chairperson:* W. Wilson; *Distinguished Professor - Dean Emeritus:* D. J. Saff; *Dean Emeritus - Professor Emeritus:* H. W. Covington; *Chair Emeritus - Professor Emeritus:* G. Pappas; *Professors:* A. B. Eaker, Jr., C. J. Fager, R. W. Gelinas, J. M. Kronsoble, M. R. Larsen, C. P. Lyman, B. L. Marsh, M. A. Miller; *Associate Professors:* R. Beckman, V. Hirt, L. Marcus, T. E. McLaughlin, B. J. Nickels, B. Shanks, H. Szepe, D. R. E. Wright, T. F. Wujcik; *Assistant Professors:* C. Fiss, E. A. Fraser, C. Gaile; *Instructor:* D. H. Elmeer.

### Dance

*Chairperson:* T. R. Wilson; *Professor:* G. W. Warren; *Associate Professors:* S. W. Robinson-Waldrop, T. R. Wilson, L. Wimmer; *Assistant Professor:* J. Travers; *Lecturer:* J. E. Parks.

### Music

*Director:* C. P. Doane; *Associate Director:* J. W. Richmond; *Assistant Director:* L. Bray; *Professors Emeritae:* J. Abram, V. A. Bridges, A. Dickey, V. S. Jennings, E. Predor; *Professors:* L. R. Cullison, C. P. Doane, J. J. Heller, R. E. Helps, H. K. Jones, J. E. Lewis, R. M. McCormick, C. R. Owen, W. D. Owen, M. N. Rearick, J. L. Smith, R. J. Summer, A. J. Watkins, A. N. Woodbury; *Associate Professors:* R. O. Froelich, A. L. Hawkins, W. P. Hayden, W. W. Jaworski, S. N. Kluksdahl, D. W. Kneeburg, S. H. Lee, A. Y. Monroe, J. L. S. Moore, J. B. Moorhead, P. Reller, J. M. Reynolds, J. W. Richmond, J. O. Robison, A. V. Summer, N. R. Warfield; *Assistant Professors:* J. K. Khorsandian, A. J. Wilkins.

### Music Education

*Director:* C. P. Doane; *Professor Emeritus:* V. A. Bridges; *Professors:* C. P. Doane, J. J. Heller; *Associate Professors:* J. L. S. Moore, J. W. Richmond.

### Theatre

*Chairperson:* D. M. Calandra; *Professors:* D. M. Calandra, N. B. Cole, W. A. Lorenzen, P. Massie, P. B. O'Sullivan; *Associate Professors:* J. W. Belt, P. M. Finelli, B. W. Lee, A. G. Lillethun, C. Steele, D. K. Williams; *Assistant Professor:* G. B. Stephens; *Lecturer:* M. A. Bentley; *Guest Professor:* F. Green; *Adjunct Professors:* J. Norton, R. Orlando, C. Frankel, D. Frankel.

## FINE ARTS COURSES

### Art

#### ARH 2050 HISTORY OF VISUAL ARTS I -HP-FA (3)

A survey of World Art to AD 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

#### ARH 2051 HISTORY OF VISUAL ARTS II -HP-FA (3)

A survey of World Art since 1300. Students are introduced to problems of analyzing and interpreting the art of various cultures without making the Western perspective a privileged one. Open to non-majors.

#### ARH 3001 INTRODUCTION TO ART -6A-HP-FA (4)

An expanded introductory treatment of basic concepts. For art majors and non-art majors.

#### ARH 4170 GREEK AND ROMAN ART (4)

A comprehensive study of Aegean, Mycenaean, Etruscan, Greek and Roman painting, sculpture and architecture.

#### ARH 4200 MEDIEVAL ART (4)

A comprehensive study of early Christian, Byzantine and Medieval painting, sculpture, architecture and manuscript illumination.

#### ARH 4301 RENAISSANCE ART (4)

A comprehensive study of Renaissance and Mannerist painting, sculpture and architecture in Italy and Northern Europe.



**ARH 4318 VENETIAN ART** (4)

PR: Cl. Major monuments of Venetian art are examined to elucidate the importance of Venice as the crossroads of cultural exchanges between Islam, Byzantium and West, and the importance of Venetian art for the history of art and art criticism.

**ARH 4350 BAROQUE AND ROCOCO ART** (4)

A comprehensive study of the painting, sculpture and architecture in France, Italy, Spain and the Netherlands in the seventeenth and early eighteenth centuries.

**ARH 4430 NINETEENTH CENTURY ART** (4)

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)

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 -XMW** (4)

PR: Cl. The course explores art in which political themes are considered to be the sources 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)

A combination of survey, comparative study and in-depth analysis of African sculpture, mainly from West and Central Africa. Emphasis on diversity of forms and contexts, functions, symbolisms and meanings. Open to non-majors.

**ARH 4530 ORIENTAL ART** (4)

An introduction to concepts of the arts of China, Japan and other Far Eastern countries.

**ARH 4547 BUDDIST ART** (4)

PR: Cl. This course examines one important aspect of Asian artistic production. Buddhist art begins in India and travels via the Himalayas and Southeast Asia to East Asia, touching on artistic expression of major principles and practices, changes in art as the religion comes in contact with pre-existing cultures, and modern artistic practice.

**ARH 4554 JAPANESE PRINTS** (4)

This course examines one important aspect of Asian artistic production. "Japanese Prints" concentrates on the period from 1615 to the present and distinguishes schools, styles, artists, subjects, patronage patterns, and technical matters. The role of prints within society and on Western art is examined throughout.

**ARH 4557 CHINESE ART** (4)

PR: Cl. Chinese art proceeds chronologically, from the neolithic era up to the contemporary art world. The course considers cultural, linguistic, technical, philosophic, political and religious influences on the art works produced by this ancient society.

**ARH 4710 HISTORY OF PHOTOGRAPHY -6A -XMW** (4)

PR: Cl. Comprehensive overview of the history of photography from its inception to the present day with an emphasis on the relationship of photography to the visual arts and popular culture.

**ARH 4790 SELECTED TOPICS IN THE HISTORY OF FILM** (4)

In-depth investigation of a selected period, development, or school in the history of film as art. May be repeated.

**ARH 4796 CRITICAL STUDIES IN ART HISTORY -6A** (4)

PR: Cl. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering. May be repeated for different topics only.

**ARH 4930 ART HISTORY: SELECTED TOPICS** (2-4)

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)

PR: Four courses in Art History at the 4000 level. Cl. An examination of the origins of Art History as a discipline and changing nature of Art History from Vasari to the present.

**ARH 4955 SENIOR PROJECTS** (2-4)

Independent study with professor. Student-designed project to be completed before end of senior year. Art projects may

include designs for community and public arts programs, installations, curatorial work, performance, a series of works developed within a particular studio discipline, etc. Restricted to majors.

**ARH 5385 CULTURAL AND INTELLECTUAL****HISTORY OF RENAISSANCE AND BAROQUE ART** (4)

A course in which Renaissance and Baroque theories of art are treated as part of general cultural and intellectual history.

**ARH 5451 CULTURAL AND INTELLECTUAL****HISTORY OF MODERN ART** (4)

A course in which theories of modern artists, and of critics and historians of Modernism are treated as a part of general Culture and Intellectual History.

**ARH 5795 METHODS OF ART HISTORY** (4)

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. (Must be taken during the student's first two semesters in the program.)

**ARH 5797 GALLERY AND MUSEUM INTERNSHIP** (2-6)

By working in Bay Area museums or galleries, students will become familiar with various museological operations. Internships vary owing to the work at hand in particular museums, but possible areas of work include registration, installation, conversation, writing of grants, or museum education. (Students are eligible after completing one semester in the program.) S/U only.

**ART 2111C ADVANCED CERAMICS** (3)

PR: ART 3110C. Continued problems in ceramics. May be repeated.

**ART 2201C FABRICATIONS -FA** (4)

An introduction to basic visual art studio concepts. Topics include the nature of art, the visual language of its form, modes of representation, and visual art theory. Studio problems supplemented by lecture and discussion. Emphasis on images of implied time and space.

**ART 2301C BEGINNING DRAWING** (3)

Intermediate projects exploring the methods, media, and concepts of drawing.

**ART 2400C BEGINNING PRINTMAKING** (3)

This course is designed as an introduction to the medium of printmaking. It concentrates on the technical production of various print media including: intaglio, relief, lithography and serigraphy (screen printing.)

**ART 2510C BEGINNING PAINTING** (3)

Projects in painting with emphasis on the exploration of methods and media and the development of individual concepts.

**ART 2520C ADVANCED PAINTING** (3)

PR: ART 2510C. Continued projects in painting. May be repeated.

**ART 2701C BEGINNING SCULPTURE** (3)

Projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

**ART 2702C ADVANCED SCULPTURE** (3)

PR: ART 2701C. Continued problems in sculpture. May be repeated.

**ART 2930 SELECTED TOPICS IN ART** (2-4)

The content of this course will be determined by student demand and instructor interest. May be repeated with different topics. (Open University offerings under this number may not be counted for degree credit for art majors.)

**ART 3110C BEGINNING CERAMICS** (3)

Intermediate problems in ceramics and emphasis on the exploration of methods and media and the development of individual concepts.

**ART 3222 BEGINNING ELECTRONIC MEDIA** (3)

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 3468 MULTI-MEDIA PRINTMAKING** (3)

PR: ARH 3001, ART 2201C, ART 2301C. Investigation of Printmaking Media including: monoprinting, collograph, relief printing and the dimensional print with emphasis on the

- development of individual concepts.
- ART 3469 PHOTO-PRINTMAKING** (3)  
PR: ARH 3001, ART 2201C, ART 2301C. Investigation of Photo-Printmaking and Darkroom Techniques including: Photo Etching, Photo Screen Printing, Photo Woodcut, and Photogravure with emphasis on development of individual concepts.
- ART 3935 STUDIO TECHNIQUES: SELECTED PROJECTS** (2)  
PR: ARH 3001, ART 2201C, ART 2203C, and CI. Concentration in specialized technical data and process. May be repeated for credit for different topics only.
- ART 3939 THE REAL WORLD** (2)  
For studio students in their Junior year. Offers studio students the opportunity to analyze their experiences as art majors and explore options available to visual artists upon completion of their degree.
- ART 4223 ADVANCED ELECTRONIC MEDIA** (3)  
PR: ART 3222 or CI. Advanced exploration of issues and practices involved in the creation of experimental computer art. The course continues as interdisciplinary approach to electronic media with a focus on individual and group projects.
- ART 4224 COMPUTER ANIMATION** (3)  
PR: ART 4223. Exploration of issues and practices involved in the creation of computer animations, focused on individual creative growth.
- ART 4320C ADVANCED DRAWING** (3)  
PR: ART 2301C. Continued projects in drawing. May be repeated.
- ART 4402C ADVANCED PRINTMAKING** (3)  
PR: ART 2400. This course is designed as an advanced level printmaking studio and emphasizes content and meaning in visual imagery. The student is encouraged to work in a specific printmaking medium (intaglio, relief, lithography or screen printing) and develop a cohesive series of images.
- ART 4703 SCULPTURE III** (3)  
PR: ART 2702C or ART 2111C. Study of current 3-D issues in art with advanced self directed project to explore the development of a personal vocabulary in 3-D media.
- ART 4806 THEME STUDIO** (3)  
PR: All Art Department Preparation courses plus work in Studio Workshop I. Taught by two or more faculty from different media/disciplines. Topics are variable. Required of all majors with studio concentration. Open to upper level non-majors with CI. May be repeated up to 12 credit hours.
- ART 4900 DIRECTED READING** (1-4)  
PR: CI and CC. A course of reading and study in an area of special concern governed by student demand, instructor interest and/or departmental requirements. Registration by contract only. May be repeated for credit for different study areas only.
- ART 4905 DIRECTED STUDY** (1-4)  
PR: CC. Independent studies in the various areas of Visual Arts. Course of study and credits must be assigned prior to registration. May be repeated.
- ART 4930 SELECTED TOPICS IN ART** (2-4)  
The content of this course will be determined by student demand and instructor interest. May be repeated with different topics. (Open University offerings under this number may not be counted for degree credit for art majors.)
- ART 4955 SENIOR PROJECTS** (2-4)  
Independent study with professor. Student-designed project to be completed before end of senior year. Art projects may include designs for community and public arts programs, installations, curatorial work, performance, a series of works developed within a particular studio discipline, etc. Restricted to majors.
- Admission to all 5000-level studio courses by Consent of Instructor.**
- ART 5125C CERAMICS** (4)  
PR: ART 2111C. Advanced projects in the various ceramic techniques, including throwing and glaze calculation. May be repeated.
- ART 5340C DRAWING** (4)  
PR: ART 4320C. Advanced projects in various drawing techniques. Emphasis on individual creative expression. May be repeated.
- ART 5422C LITHOGRAPHY** (4)  
PR: ART 4402. Advanced projects in various lithographic techniques. Emphasis on individual creative expression. May be repeated.
- ART 5472C INTAGLIO** (4)  
PR: ART 4402. Investigations into more complex intaglio processes including photoengraving and color printing procedures. Emphasis on personal conceptual development in graphic media. May be repeated.
- ART 5536C PAINTING** (4)  
PR: ART 2520C. Advanced projects in the various painting techniques. Emphasis on individual creative expression. May be repeated.
- ART 5730C SCULPTURE** (4)  
PR: ART 2702C. Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression. May be repeated.
- ART 5910 RESEARCH** (1-4)  
PR: CC. May be repeated.
- ART 5936 STUDIO TECHNIQUES: SELECTED PROJECTS** (2)  
PR: ARH 3001, ART 2201C, ART 2203C, the topic/technique-related 3000-4000 level studio sequence and CI. Concentration in specialized media or processes. May be repeated for credit for different topics only.
- FIL 2001 FILM: THE LANGUAGE OF VISION -6A -FA** (4)  
Open to both majors and non-majors. Exploration of the history of creative filmmaking from its beginnings to the present time. May not be repeated.
- FIL 2200C BEGINNING FILM** (3)  
Intermediate problems in film with emphasis on the exploration of materials and media and the development of individual concepts.
- FIL 3510 WORLD CINEMA -6A -FA** (4)  
Offers international perspectives through an examination of films from around the world. Each week narrative films from acclaimed directors will be screened, read about and discussed.
- FIL 4201C ADVANCED FILM** (3)  
PR: FIL 2200C. More advanced projects in filmmaking to further develop works both technically and conceptually.
- FIL 5205C CINEMATOGRAPHY** (4)  
PR: FIL 4201C. Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions. May be repeated.
- PGY 2401C BEGINNING PHOTOGRAPHY** (3)  
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 2410C ADVANCED PHOTOGRAPHY** (3)  
PR: PGY 3401C. Continued problems in photography. May be repeated.
- Art Education**
- ARE 3044 EXPERIENTIAL BASIS OF ARTISTIC MIND** (3)  
PR: Admission to College of Education. 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)  
PR: Admission to College of Education and 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 4112 EDUCATION THROUGH CRAFTS** (3)  
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 4440 ART TEACHING STRATEGIES II** (3)  
Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.
- ARE 4443 CRAFTS WORKSHOP IN ART EDUCATION** (3)  
PR: Admission to College of Education and ARE 3044. The study and practice of processes and media involved with the exploration and expression of cultural traditions and individual ideas through crafts.
- ARE 4642 COMMUNITY ARTS** (3)  
PR: Admission to College of Education and ARE 3044. Explores the arts as infrastructure through identification, exploration and experimentation of/with unique community spaces, populations and new environments for and learning in the arts.
- ARE 4909 DIRECTED STUDY: ART EDUCATION** (1-3)  
PR: Senior standing. Designed to extend competency in field of art education.
- ARE 4936 SENIOR SEMINAR IN ART EDUCATION** (2)  
PR: Senior standing. CR: ARE 4940. Synthesis of teacher candidate's courses in complete college program.
- ARE 4940 INTERNSHIP: ART EDUCATION** (1-12)  
CR: ARE 4936. 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. (S/U only.)

### Dance

- DAA 2000 THEATRE DANCE STYLES** (2)  
PR: DAA 2100 or DAA 2200 or CI. Development of technical skills in social and historical dance forms frequently stylized for use by dance choreographers. Forms to be studied may vary. May be repeated up to 4 credit hours.
- DAA 2100 FUNDAMENTALS OF MODERN DANCE I** (2)  
To acquaint beginning modern students with fundamentals of dance vocabulary, movement, rhythm, and alignment. May be repeated.
- DAA 2104 MODERN DANCE II** (3)  
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 2200 FUNDAMENTALS OF BALLET I** (2)  
To acquaint beginning ballet students with fundamentals of vocabulary, movement, rhythm, and alignment. May be repeated.
- DAA 2480 PERFORMANCE** (1)  
PR: Admission by audition or CC. Open to all university students proficient in dance techniques and concurrently enrolled in technique. Rehearsal and performance of works presented by the department. May be repeated up to 10 credit hours.
- DAA 2500 FUNDAMENTALS OF JAZZ DANCE** (2)  
A basic movement course in Jazz Dance involving dance vocabulary, alignment, styles and simple rhythmic movement patterns. May be repeated up to 4 credit hours.
- DAA 2700 CHOREOGRAPHY I** (2)  
Study and execution of basic principles of composition. Preparation of studies in theme and variations, breath phrases and metric phrases. May be repeated.
- DAA 3204 BALLET II** (3)  
PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of simple step combinations in centre work. The use of ballet vocabulary (French terms). Material is covered almost totally as practical work in class with a few outside projects. Concert and performance attendance required. May be repeated.
- DAA 3105 MODERN DANCE III** (3-4)  
PR: Admission by placement audition. Continuation of DAA 2104. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance. May be repeated.
- DAA 3205 BALLET III** (3-4)  
PR: Admission by placement audition. Continuation of DAA 2204. Intensification of barre exercises for the development of strength and form. Application of phrasing and movement. Material covered as practical work in class for concerts and performances. May be repeated.
- DAA 3220 BALLET VARIATIONS** (1)  
PR: DAA 3205. This course provides instruction in various forms of ballet. Semester courses include: Pointe technique, Men's Class, Character Dance, Spanish Dance, and Partnering. Ballet majors are required to complete two semester hours. May be repeated.
- DAA 3400 REPERTORY** (1)  
P.R. Admission by audition or CC. Open to all University students concurrently enrolled in dance technique classes by audition. The development and performance of solo and/or group dances. May be repeated.
- DAA 3502 JAZZ DANCE** (2)  
PR: Admission by placement audition, DAA 2104 or DAA 2204. A technique class for the intermediate level dancer to become acquainted with the dance styles and forms of musical theatre and concert jazz dance. Emphasis is on highly stylized movement on a strong rhythmic base. May be repeated.
- DAA 3503 JAZZ THEATRE DANCE** (3)  
PR: Admission by placement audition and DAA 3502. Continuation of DAA 3502. Further emphasis on projection, phrasing, rhythmic patterns, and dynamics. Solo and ensemble studies leading to performance. May be repeated.
- DAA 3701 CHOREOGRAPHY II** (2)  
PR: DAA 3700 or CI. Preparation of studies in rhythm, dynamics, form, and motivation. May be repeated.
- DAA 3704 DANCE IMPROVISATION** (2)  
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 3800 SPECIALIZED STUDY IN MOVEMENT THEORY AND BODY ALIGNMENT** (2)  
Analysis of scientific basis of movement for the dancer through the study of body alignment and movement theories related to dance techniques.
- DAA 4106 MODERN DANCE IV** (4)  
PR: Admission by placement audition or CI. Intensive work on the growth of personal performance styles. Equal emphasis will be given to training the body in the development of technical excellence. May be repeated.
- DAA 4206 BALLET IV** (4)  
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 4702 CHOREOGRAPHY III** (2)  
PR: DAA 3701 or CI. Work directed toward duets and group dances. The students will submit choreographic ideas for instructor's approval, then proceed with rehearsals. Lec-lab., reading. Rehearsal hours to be arranged. May be repeated.
- DAA 4703 CHOREOGRAPHY IV** (2)  
PR: DAA 4702. The student will prepare studies based on free form, minimal art, and chance methods. Lec-lab., reading. May be repeated.
- DAA 4790 SENIOR PROJECT** (1-5)  
PR: Senior Dance major, CI, CC. 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)  
PR: CI and CC. Dance Major status. Individual study to extended competency in technique and performance of Dance through participation in special workshops. May be repeated up to 4 credit hours.

**DAE 4300 DANCE PEDAGOGY: THEORY AND PRACTICE** (3)  
PR: CI and CC. For majors and non-majors. Designed to provide prospective dance teachers with opportunities to develop concepts of pedagogy based on principles of teaching - learning in dance techniques and choreography. May be repeated up to 9 credit hours.

**DAN 2100 INTRODUCTION TO DANCE -6A** (3)  
For majors and non-dance majors. A study of the art and language of dance through lectures, discussions, concert attendance, and studio practice. Designed to develop awareness and insight of this art form through discussion, observation, writing, and movement experience.

**DAN 2610 MUSIC FOR DANCE I** (2)  
Development of practical music skills in relation to dance. Emphasis on rhythm and the relationship of music forms to dance. May be repeated up to 4 credit hours.

**DAN 2611 MUSIC FOR DANCE II** (2)  
PR: DAN 2610 or CI. Elements within historical context. Continued problems in rhythmic materials.

**DAN 3590 PRACTICUM IN DANCE PRODUCTION I** (1-2)  
A practicum in mounting dance concerts with shop work and backstage participation. Intended for students working in costuming, set preparation, light presentation, stage management, and production crew. Dance majors must have at least 2 credits for graduation accumulated in two different semesters. 40 hour lab required.

**DAN 4111 SURVEY HISTORY OF DANCE -6A** (3)  
Survey history of dance. Study of development of dance from its inception through 18th Century. Social and theatrical dance forms, Ethnic Dance included. Reading, lecture, and visual aids.

**DAN 4112 19TH AND 20TH CENTURY DANCE** (3)  
Survey history of dance. Study of development of dance from 19th Century through 20th Century. Theatrical and other expressive forms included. Reading, lecture, and visual aids.

**DAN 4170 DANCE SENIOR SEMINAR** (2)  
PR: Senior Dance major status. A study of career opportunities in performance, teaching, research, design, and choreography. To aid majors in self-appraisal as artists and develop methods to further their potential in the professional world. Discussion, critical evaluation, and projects.

**DAN 4905 DIRECTED READING** (2)  
PR: CI and CC. Readings in topic of special interest to the student. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration. May be repeated for credit for different topics only.

**DAN 4906 DIRECTED STUDY** (1-5)  
PR: CI and CC. Independent studies in the various areas of Dance. Course of study may be used to fulfill Junior Project. Must receive approval prior to registration.

**DAN 4930 SELECTED TOPICS IN DANCE** (1-5)  
PR: CI and CC. The content of the course will be governed by student demand and instructor interest. May be repeated for credit for different topics only.

### Fine Arts Interdisciplinary

**IDS 3362 ARTS CONNECTION -FA** (3)  
This is an introductory course to the arts disciplines of music, dance, theatre and art. Artists from the four disciplines will provide weekly presentations centered around issues and ideas that have formed the basis of their creative research. Issues involved in diversity, new technologies, and community and public arts will be explored. This course will introduce students to the role the arts play in shaping their perceptions of the world as well as reflecting the underlying values and paradigms that form our culture(s).

**IDS 3663 CRITICAL ISSUES AFFECTING THE ARTS -6A -XMW** (3)  
PR: JR Standing or CI. A discussion based on examination of cultural trends, educational policies, governmental regulations, and financial factors which impact Art, Dance, Music, and Theatre. S/U option.

### Music

**MUC 2221 COMPOSITION** (3)  
PR: MUT 1112 and CI. Private instruction in original composition. Required of composition majors. May be repeated for three semesters.

**MUC 2301 INTRODUCTION TO ELECTRONIC MUSIC** (3)  
History and repertory of electronic music; standard sound studio techniques; basic electronics as applied in electronic sound synthesis; mathematics for music, composition and electronic music.

**MUC 3231 COMPOSITION** (3)  
PR: Necessary competency at MUC 2221 level determined by faculty jury. Private instruction in original composition. Required of composition majors. May be repeated for three semesters.

**MUC 3401, 3402 ELECTRONIC MUSIC-ANALOG SYNTHESIS** (3,3)  
PR: MUC 2301 and CI. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

**MUC 3441, 3442 ELECTRONIC MUSIC-DIGITAL SYNTHESIS** (3,3)  
PR: MUC 3401 or 3402 and CI. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

**MUC 4241 COMPOSITION** (3)  
PR: Necessary competency at MUC 3231 level determined by faculty jury. Private instruction in original composition. Required of composition majors. Must be repeated for credit for a minimum of 6 hours for majors.

**MUC 4403, 4404 ELECTRONIC MUSIC-REAL-TIME PERFORMANCE** (3,3)  
PR: MUC 3402 and MUC 3442 or equivalent. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

**MUC 4501 SEMINAR IN NEW MUSICAL SYSTEMS** (3)  
PR: CI. Experimental sound sources and ensemble groupings; creation of new instruments; unfamiliar sonic materials and unique social contexts for music. May be repeated for credit.

**MUC 4620 JAZZ COMPOSITION** (3)  
PR: MUT 3354 and/or CI. Private instruction in original jazz composition. Required of All Jazz Studies Comp. majors. Must be repeated for credit for a minimum of 6 hours for majors.

**MUG 3104 BASIC CONDUCTING** (2)  
PR: CI. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical scores.

**MUG 4302 INSTRUMENTAL CONDUCTING** (2)  
PR: MUG 3101 & CI. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

**MUH 2019 HISTORY OF POPULAR MUSIC** (2)  
Popular music in the U.S. from 1820 to present. Units on the big band era, country and western, jazz, Black music, and the rock scene beginning in 1955.

**MUH 2051 FOLK AND TRADITIONAL MUSIC OF WORLD CULTURES (3) -FA -AF**  
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)  
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** (2)  
An in-depth study of the historical study of jazz, including the representative music, literature, and sociological implications.

**MUH 3300 MUSIC HISTORY/MEDIEVAL AND RENAISSANCE**(2)  
PR: CI. 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 -XMW**(3)  
PR: MUL 2111 or CI. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods. Required of music majors; open to non-majors with CI.

**MUH 3302 MUSIC HISTORY/ROMANTIC AND 20TH CENTURY -XMW** (3)  
PR: MUL 2111 or CI. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods. Required of music majors; open to non-majors with CI.

**MUH 4058 INTERCULTURAL MUSIC IN THE TWENTIETH CENTURY -XMW** (3)  
PR: MUH 2051 or MUL 2111 or CI. 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)  
PR: MUT 1112 or CI. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

**MUL 2011, 3012 THE ENJOYMENT OF MUSIC -FA** (3,3)  
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.

**MUL 2111 INTRODUCTION TO MUSIC LITERATURE -6A -HP -FA** (3)  
PR: MUT 1112 or CI. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required for music majors.

**MUL 3001 ISSUES IN MUSIC -FA -AF** (2-3)  
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. (S/U only.)

**MAJOR PERFORMING ENSEMBLES** (below)  
PR: CI. 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. May be repeated for credit.

**MUN 3143 WIND ENSEMBLE** (1)  
**MUN 3213 UNIVERSITY ORCHESTRA** (1)  
**MUN 3313 UNIVERSITY SINGERS** (1)  
**MUN 3383 UNIVERSITY-COMMUNITY CHORUS** (1)  
**MUN 3453 PIANO ENSEMBLE** (1)  
**MUN 3713 JAZZ ENSEMBLE** (1)  
**MUO 3503 OPERA WORKSHOP** (1)

**CHAMBER MUSIC ENSEMBLES** (below)  
PR: CI. Open to all university students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano; may be repeated for credit.

**MUN 3343 CHAMBER SINGERS** (1)  
**MUN 3411 STRING QUARTET** (1)  
**MUN 3420 SAXOPHONE ENSEMBLE** (1)  
**MUN 3421 FLUTE CHOIR** (1)  
**MUN 3424 WOODWIND QUINTET** (1)

**MUN 3431 BRASS QUINTET** (1)  
**MUN 3432 HORN QUARTET** (1)  
**MUN 3433 BRASS CHOIR** (1)  
**MUN 3443 PERCUSSION ENSEMBLE** (1)  
**MUN 3444 MARIMBA ENSEMBLE** (1)  
**MUN 3473 COLLEGIUM MUSICUM** (1)  
**MUN 3483 CLASSICAL GUITAR ENSEMBLE** (1)  
**MUN 3714 JAZZ CHAMBER ENSEMBLE** (1)

**MUS 2010 RECITAL ATTENDANCE** (0)  
This course is required whenever a student registers for applied music. The requirement for the successful completion of the course is attendance at ten (10) department-approved recitals/concerts throughout the semester. (S/U Grading only).

**MUS 2201 LANGUAGE DICTION FOR SINGERS** (1)  
Specialized study in Language Diction for Singers. Specific language varies, to be arranged at each course offering. May be repeated for a total of three different languages only. Required of voice performance majors.

**MUS 4905 DIRECTED STUDY** (1-4)  
PR: CC. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration; may be repeated.

**MUS 4930 SELECTED TOPICS IN MUSIC** (1-4)  
PR: CI and CC. The content of the course will be governed by student demand and instructor interest. May be repeated for credit for different topics only.

**MUS 4931 SELECTED STUDIO TOPICS IN MUSIC** (1-4)  
PR: CI. The content of the study will be governed by individual student demand and instructor interest with an emphasis on individual instruction.

**MUS 4935 MUSIC SENIOR SEMINAR** (1)  
PR: CI. To aid majors to understand, appraise and perfect their own art through critical and aesthetic judgments of their colleagues. (S/U only.)

**MUS 5905 DIRECTED STUDY** (1-4)  
PR: CC. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration; may be repeated.

**MUSIC WORKSHOP COURSES** (below)  
PR: CI. Intensive study in the specialized areas indicated below; open to teachers, University students, and secondary students; credit available to qualified students.

**MUS 5927 ORCHESTRA WORKSHOP** (1-2)  
**MUS 5929 STRING WORKSHOP** (1-2)  
**MUT 1001 RUDIMENTS OF MUSIC** (2)

Open to non-music majors; development of skills in hearing and performing music and in basic notation. Will not count as degree credit for music majors.

**MUT 1111, 1112 MUSIC THEORY** (3,3)  
PR: CI. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

**MUT 1241, 1242 AURAL THEORY** (1,1)  
PR: CI. 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. To be taken concurrently with MUT 1111, 1112.

**MUT 2116, 2117 MUSIC THEORY** (3,3)  
PR: MUT 1112. Required of music majors, continuation of MUT 1111 and 1112.

**MUT 2246, 2247 ADVANCED AURAL THEORY** (1,1)  
PR: MUT 1242. Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing. To be taken concurrently with MUT 2116, 2117.

**MUT 2641 JAZZ THEORY AND IMPROVISATION I** (2)  
PR: MUT 1112 and/or CI. A study of jazz improvisational techniques and related jazz theory.

**MUT 2642 JAZZ THEORY AND IMPROVISATION II** (2)  
PR: MUT 3641 or CI. A study of jazz improvisational techniques and related jazz theory.

**MUT 3353 JAZZ COMPOSITION AND ARRANGING I (3)**

PR: MUT 1112 and Cl. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic, and melodic practices.

**MUT 3354 JAZZ COMPOSITION AND ARRANGING II (3)**

PR: MUT 1112 and Cl. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic and melodic practices.

**MUT 3663 ADVANCED JAZZ IMPROVIZATION I (2)**

PR: MUT 3642 or Cl. A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students' soloing ability. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

**MUT 3664 ADVANCED JAZZ IMPROVIZATION II (2)**

PR: Jazz Styles and Analysis I or Cl. A continuation of Jazz Styles and Analysis I with the emphasis on contemporary jazz artists. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

**MUT 4311, 4312 ORCHESTRATION (3,2)**

PR: Cl. Intensive study and practice in scoring music for various combinations of instruments, including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments.

**MUT 4411 SIXTEENTH CENTURY PRACTICE (3)**

PR: MUT 2117. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 4421 EIGHTEENTH CENTURY PRACTICE (3)**

PR: MUT 2117. An intensive study of the contrapuntal practice of the 18th century; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 4571 TWENTIETH CENTURY PRACTICE (3)**

PR: MUT 2117. A study of 20th century theoretical concepts; development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

**MUT 5051 GRADUATE REVIEW OF MUSIC THEORY (2)**

A graduate level review of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.

**SECONDARY APPLIED MUSIC COURSES (below)**

PR: Cl. 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. Course is open by audition only.

MVB 1211 APPLIED TRUMPET	(1)
MVB 1212 APPLIED FRENCH HORN	(1)
MVB 1213 APPLIED TROMBONE	(1)
MVB 1214 APPLIED EUPHONIUM	(1)
MVB 1215 APPLIED TUBA	(1)
MVJ 1210 APPLIED JAZZ PIANO	(1)
MVJ 1213 APPLIED JAZZ GUITAR	(1)
MVJ 1214 APPLIED JAZZ BASS	(1)
MVJ 1219 JAZZ PERCUSSION	(1)
MVK 1211 APPLIED PIANO	(1)
MVP 1211 APPLIED PERCUSSION	(1)
MVS 1211 APPLIED VIOLIN	(1)
MVS 1212 APPLIED VIOLA	(1)
MVS 1213 APPLIED VIOLONCELLO	(1)
MVS 1214 APPLIED DOUBLE BASS	(1)
MVS 1215 APPLIED HARP	(1)
MVS 1216 APPLIED CLASSICAL GUITAR	(1)
MVV 1211 APPLIED VOICE	(1)
MVW 1211 APPLIED FLUTE	(1)
MVW 1212 APPLIED OBOE	(1)
MVW 1213 APPLIED CLARINET	(1)
MVW 1214 APPLIED BASSOON	(1)
MVW 1215 APPLIED SAXOPHONE	(1)

**CLASS PIANO COURSES (below)**

PR: Cl. 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 KEYBOARD SKILLS I	(2)
MVK 1121 KEYBOARD SKILLS II	(2)
MVK 2111 KEYBOARD SKILLS III	(2)
MVK 2121 KEYBOARD SKILLS IV	(2)
MVK 3111 MUSIC MAJORS, LEVEL V	(2)
MVK 1811 BEGINNING PIANO I	(2)
MVK 1821 BEGINNING PIANO II	(2)
MVK 2821 INTERMEDIATE PIANO	(2)

**APPLIED MUSIC COURSES PRINCIPAL (below)**

PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit. Applied music courses are NOT available on S/U basis.

MVB 1311 TRUMPET PRINCIPAL	(2)
MVB 1312 FRENCH HORN PRINCIPAL	(2)
MVB 1313 TROMBONE PRINCIPAL	(2)
MVB 1314 EUPHONIUM PRINCIPAL	(2)
MVB 1315 TUBA PRINCIPAL	(2)
MVJ 1310 APPLIED JAZZ PIANO PRINCIPAL	(2)
MVJ 1313 JAZZ GUITAR PRINCIPAL	(2)
MVJ 1314 JAZZ BASS PRINCIPAL	(2)
MVJ 1219 APPLIED JAZZ PERCUSSION PRINCIPAL	(2)
MVK 1311 PIANO PRINCIPAL	(2)
MVK 1313 ORGAN PRINCIPAL	(2)
MVP 1311 PERCUSSION PRINCIPAL	(2)
MVS 1311 VIOLIN PRINCIPAL	(2)
MVS 1312 VIOLA PRINCIPAL	(2)
MVS 1313 VIOLONCELLO PRINCIPAL	(2)
MVS 1314 DOUBLE BASS PRINCIPAL	(2)
MVS 1315 HARP PRINCIPAL	(2)
MVS 1316 CLASSICAL GUITAR PRINCIPAL	(2)
MVV 1311 VOICE PRINCIPAL	(2)
MVW 1311 FLUTE PRINCIPAL	(2)
MVW 1312 OBOE PRINCIPAL	(2)
MVW 1313 CLARINET PRINCIPAL	(2)
MVW 1314 BASSOON PRINCIPAL	(2)
MVW 1315 SAXOPHONE PRINCIPAL	(2)

**APPLIED MUSIC COURSES PRINCIPAL (below)**

PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. Applied music courses are NOT available on S/U basis.

MVB 2321 TRUMPET PRINCIPAL	(2)
MVB 2322 FRENCH HORN PRINCIPAL	(2)
MVB 2323 TROMBONE PRINCIPAL	(2)
MVB 2324 EUPHONIUM PRINCIPAL	(2)
MVB 2325 TUBA PRINCIPAL	(2)
MVJ 2320 APPLIED JAZZ PIANO PRINCIPAL	(2)
MVJ 2323 JAZZ GUITAR PRINCIPAL	(2)
MVJ 2324 JAZZ BASS PRINCIPAL	(2)
MVJ 2329 APPLIED JAZZ PERCUSSION PRINCIPAL	(2)
MVK 2321 PIANO PRINCIPAL	(2)
MVK 2323 ORGAN PRINCIPAL	(2)
MVP 2321 PERCUSSION PRINCIPAL	(2)
MVS 2321 VIOLIN PRINCIPAL	(2)
MVS 2322 VIOLA PRINCIPAL	(2)
MVS 2323 VIOLONCELLO PRINCIPAL	(2)
MVS 2324 DOUBLE BASS PRINCIPAL	(2)
MVS 2325 HARP PRINCIPAL	(2)
MVS 2326 CLASSICAL GUITAR PRINCIPAL	(2)
MVV 2321 VOICE PRINCIPAL	(2)
MVW 2321 FLUTE PRINCIPAL	(2)
MVW 2322 OBOE PRINCIPAL	(2)
MVW 2323 CLARINET PRINCIPAL	(2)
MVW 2324 BASSOON PRINCIPAL	(2)
MVW 2325 SAXOPHONE PRINCIPAL	(2)

**APPLIED MUSIC COURSES PRINCIPAL (below)**

PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano.



May be repeated for credit three semesters only. Applied music courses are NOT available on S/U basis.

MVB 3331 TRUMPET PRINCIPAL	(2)
MVB 3332 FRENCH HORN PRINCIPAL	(2)
MVB 3333 TROMBONE PRINCIPAL	(2)
MVB 3334 EUPHONIUM PRINCIPAL	(2)
MVB 3335 TUBA PRINCIPAL	(2)
MVJ 3330 APPLIED JAZZ PIANO PRINCIPAL	(2)
MVJ 3333 JAZZ GUITAR PRINCIPAL	(2)
MVJ 3334 JAZZ BASS PRINCIPAL	(2)
MVJ 3339 APPLIED JAZZ PERCUSSION PRINCIPAL	(2)
MVK 3331 PIANO PRINCIPAL	(2)
MVK 3333 ORGAN PRINCIPAL	(2)
MVP 3331 PERCUSSION PRINCIPAL	(2)
MVS 3331 VIOLIN PRINCIPAL	(2)
MVS 3332 VIOLA PRINCIPAL	(2)
MVS 3333 VIOLONCELLO PRINCIPAL	(2)
MVS 3334 DOUBLE BASS PRINCIPAL	(2)
MVS 3335 HARP PRINCIPAL	(2)
MVS 3336 CLASSICAL GUITAR PRINCIPAL	(2)
MVV 3331 VOICE PRINCIPAL	(2)
MVW 3331 FLUTE PRINCIPAL	(2)
MVW 3332 OBOE PRINCIPAL	(2)
MVW 3333 CLARINET PRINCIPAL	(2)
MVW 3334 BASSOON PRINCIPAL	(2)
MVW 3335 SAXOPHONE PRINCIPAL	(2)

#### APPLIED MUSIC COURSES PRINCIPAL (below)

PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit. Applied music courses are NOT available on S/U basis.

MVB 4341 TRUMPET PRINCIPAL	(2)
MVB 4342 FRENCH HORN PRINCIPAL	(2)
MVB 4343 TROMBONE PRINCIPAL	(2)
MVB 4344 EUPHONIUM PRINCIPAL	(2)
MVB 4345 TUBA PRINCIPAL	(2)
MVJ 4340 JAZZ PIANO PRINCIPAL	(2)
MVJ 4343 JAZZ GUITAR PRINCIPAL	(2)
MVJ 4344 JAZZ BASS PRINCIPAL	(2)
MVJ 4349 JAZZ PERCUSSION PRINCIPAL	(2)
MVK 4341 PIANO PRINCIPAL	(2)
MVK 4343 ORGAN PRINCIPAL	(2)
MVP 4341 PERCUSSION PRINCIPAL	(2)
MVS 4341 VIOLIN PRINCIPAL	(2)
MVS 4342 VIOLA PRINCIPAL	(2)
MVS 4343 VIOLONCELLO PRINCIPAL	(2)
MVS 4344 DOUBLE BASS PRINCIPAL	(2)
MVS 4345 HARP PRINCIPAL	(2)
MVS 4346 CLASSICAL GUITAR PRINCIPAL	(2)
MVV 4341 VOICE PRINCIPAL	(2)
MVW 4341 FLUTE PRINCIPAL	(2)
MVW 4342 OBOE PRINCIPAL	(2)
MVW 4343 CLARINET PRINCIPAL	(2)
MVW 4344 BASSOON PRINCIPAL	(2)
MVW 4345 SAXOPHONE PRINCIPAL	(2)

#### APPLIED MUSIC COURSES (below)

PR: Cl. Required of all applied music majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit.

MVB 1411 TRUMPET MAJOR	(3)
MVB 1412 FRENCH HORN MAJOR	(3)
MVB 1413 TROMBONE MAJOR	(3)
MVB 1414 EUPHONIUM MAJOR	(3)
MVB 1415 TUBA MAJOR	(3)
MVJ 1410 APPLIED JAZZ PIANO MAJOR	(3)
MVJ 1413 JAZZ GUITAR MAJOR	(3)
MVJ 1414 JAZZ BASS MAJOR	(3)
MVK 1411 PIANO MAJOR	(3)
MVK 1413 ORGAN MAJOR	(3)
MVP 1411 PERCUSSION MAJOR	(3)
MVS 1411 VIOLIN MAJOR	(3)
MVS 1412 VIOLA MAJOR	(3)
MVS 1413 CELLO MAJOR	(3)
MVS 1414 DOUBLE BASS MAJOR	(3)
MVS 1415 HARP MAJOR	(3)

MVS 1416 CLASSICAL GUITAR MAJOR	(3)
MVV 1411 VOICE MAJOR	(3)
MVW 1411 FLUTE MAJOR	(3)
MVW 1412 OBOE MAJOR	(3)
MVW 1413 CLARINET MAJOR	(3)
MVW 1414 BASSOON MAJOR	(3)
MVW 1415 SAXOPHONE MAJOR	(3)

#### APPLIED MUSIC COURSES (below)

PR: Necessary competency at sophomore level determined by faculty jury examination. Required of all applied music majors. Private and instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit three semesters only.

MVB 2421 TRUMPET MAJOR	(3)
MVB 2422 FRENCH HORN MAJOR	(3)
MVB 2423 TROMBONE MAJOR	(3)
MVB 2424 EUPHONIUM MAJOR	(3)
MVB 2425 TUBA MAJOR	(3)
MVJ 2420 APPLIED JAZZ PIANO MAJOR	(3)
MVJ 2423 JAZZ GUITAR MAJOR	(3)
MVJ 2424 JAZZ BASS MAJOR	(3)
MVK 2421 PIANO MAJOR	(3)
MVK 2423 ORGAN MAJOR	(3)
MVP 2421 PERCUSSION MAJOR	(3)
MVS 2421 VIOLIN MAJOR	(3)
MVS 2422 VIOLA MAJOR	(3)
MVS 2423 CELLO MAJOR	(3)
MVS 2424 DOUBLE BASS MAJOR	(3)
MVS 2425 HARP MAJOR	(3)
MVS 2426 CLASSICAL GUITAR MAJOR	(3)
MVV 2421 VOICE MAJOR	(3)
MVW 2421 FLUTE MAJOR	(3)
MVW 2422 OBOE MAJOR	(3)
MVW 2423 CLARINET MAJOR	(3)
MVW 2424 BASSOON MAJOR	(3)
MVW 2425 SAXOPHONE MAJOR	(3)

#### APPLIED MUSIC COURSES (below)

PR: Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit three semesters only.

MVB 3431 TRUMPET MAJOR	(3)
MVB 3432 FRENCH HORN MAJOR	(3)
MVB 3433 TROMBONE MAJOR	(3)
MVB 3434 EUPHONIUM MAJOR	(3)
MVB 3435 TUBA MAJOR	(3)
MVJ 3430 APPLIED JAZZ PIANO MAJOR	(3)
MVJ 3433 JAZZ GUITAR MAJOR	(3)
MVJ 3434 JAZZ BASS MAJOR	(3)
MVJ 3439 APPLIED JAZZ PERCUSSION	(3)
MVK 3431 PIANO MAJOR	(3)
MVK 3433 ORGAN MAJOR	(3)
MVP 3431 PERCUSSION MAJOR	(3)
MVS 3431 VIOLIN MAJOR	(3)
MVS 3432 VIOLA MAJOR	(3)
MVS 3433 CELLO MAJOR	(3)
MVS 3434 DOUBLE BASS MAJOR	(3)
MVS 3435 HARP MAJOR	(3)
MVS 3436 CLASSICAL GUITAR MAJOR	(3)
MVV 3431 VOICE MAJOR	(3)
MVW 3431 FLUTE MAJOR	(3)
MVW 3432 OBOE MAJOR	(3)
MVW 3433 CLARINET MAJOR	(3)
MVW 3434 BASSOON MAJOR	(3)
MVW 3435 SAXOPHONE MAJOR	(3)

#### APPLIED MUSIC COURSES (below)

PR: Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. Must be repeated for credit for minimum of 8 hours for majors.

MVB 4441 TRUMPET MAJOR	(3)
MVB 4442 FRENCH HORN MAJOR	(3)
MVB 4443 TROMBONE MAJOR	(3)
MVB 4444 EUPHONIUM MAJOR	(3)
MVB 4445 TUBA MAJOR	(3)

MVJ 4440 JAZZ PIANO MAJOR	(3)
MVJ 4443 JAZZ GUITAR MAJOR	(3)
MVJ 4444 JAZZ BASS MAJOR	(3)
MVJ 4449 JAZZ PERCUSSION MAJOR	(3)
MVK 4441 PIANO MAJOR	(3)
MVK 4443 ORGAN MAJOR	(3)
MVP 4441 PERCUSSION MAJOR	(3)
MVS 4441 VIOLIN MAJOR	(3)
MVS 4442 VIOLA MAJOR	(3)
MVS 4443 CELLO MAJOR	(3)
MVS 4444 DOUBLE BASS MAJOR	(3)
MVS 4445 HARP MAJOR	(3)
MVS 4446 CLASSICAL GUITAR MAJOR	(3)
MVV 4441 VOICE MAJOR	(3)
MVW 4441 FLUTE MAJOR	(3)
MVW 4442 OBOE MAJOR	(3)
MVW 4443 CLARINET MAJOR	(3)
MVW 4444 BASSOON MAJOR	(3)
MVW 4445 SAXOPHONE MAJOR	(3)

**APPLIED MUSIC COURSES**

(below)

PR: Cl. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.

MVB 5251 APPLIED TRUMPET	(2-3)
MVB 5252 APPLIED FRENCH HORN	(2-3)
MVB 5253 APPLIED TROMBONE	(2-3)
MVB 5254 APPLIED EUPHONIUM	(2-3)
MVB 5255 APPLIED TUBA	(2-3)
MVK 5251 APPLIED PIANO	(2-3)
MVK 5253 APPLIED ORGAN	(2-3)
MVS 5251 APPLIED VIOLIN	(2-3)
MVS 5252 APPLIED VIOLA	(2-3)
MVS 5253 APPLIED CELLO	(2-3)
MVS 5254 APPLIED DOUBLE BASS	(2-3)
MVS 5255 APPLIED HARP	(2-3)
MVS 5256 APPLIED CLASSICAL GUITAR	(2-3)
MVV 5251 APPLIED VOICE	(2-3)
MVW 5251 APPLIED FLUTE	(2-3)
MVW 5252 APPLIED OBOE	(2-3)
MVW 5253 APPLIED CLARINET	(2-3)
MVW 5254 APPLIED BASSOON	(2-3)
MVW 5255 APPLIED SAXOPHONE	(2-3)

**MVJ 4950 APPLIED JAZZ PERFORMANCE**

(3)

PR: MUT 3642 and Cl. Necessary competency at junior level determined by faculty jury examination. Private and class instruction. May be repeated for credit unlimited semesters.

**MUSIC STUDIO PEDAGOGY COURSES**

(below)

PR: Cl. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction.

MVK 4640 PIANO PEDAGOGY I	(4)
MVK 4641 PIANO PEDAGOGY II	(4)

**MASTER CLASS COURSES**

(below)

PR: Cl. Study and performance of selected literature with special emphasis on style, form, and techniques; especially designed for teachers, piano majors, and talented secondary school students.

MVS 5750 STRINGS, MASTER CLASS	(2)
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**Music Education****MUE 2090 THEORETICAL BASES OF MUSIC EDUCATION**

(3)

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)

PR: Sophomore standing, non-woodwind major. 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)

PR: Sophomore standing, non-brass major. The course introduces the fundamentals of brass wind instrument pedagogy. In addition, basic techniques of brass performance are taught through the study of trombone and trumpet.

**MUE 3421 CHORAL MATERIALS PRACTICUM**

(1)

PR: Cl. A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

**MUE 3422 BAND MATERIALS PRACTICUM**

(1)

PR: Cl. A study of band materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

**MUE 3423 ORCHESTRA MATERIALS PRACTICUM**

(1)

PR: Cl. A study of orchestra materials, in a laboratory setting, appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

**MUE 3451 ADVANCED WOODWIND TECHNIQUES**

(1)

PR: Sophomore standing, woodwind instrument major or MUE 3450. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.

**MUE 3461 ADVANCED BRASS TECHNIQUES**

(1)

PR: Sophomore standing, brass instrument major or MUE 3460. The course develops knowledge and skills dealing with advanced principles of teaching and performing on all brass instruments.

**MUE 4210 MUSIC FOR THE CHILD**

(3)

PR: Admission to the College of Education. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

**MUE 4311 MUSIC IN THE ELEMENTARY SCHOOL**

(3)

PR: Cl. A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.

**MUE 4321 FOUNDATIONS OF CHORAL MUSIC**

(2)

This course deals with the development of knowledge and skills needed to effectively organize and teach a choral music program for elementary and intermediate grade level students. Include school observation and participation component. Major status or instructor permission required.

**MUE 4330 CLASSROOM MUSIC IN THE SECONDARY SCHOOL**

(3)

PR: Cl. 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)

PR: Cl. Junior standing. Development and implementation of methods techniques for teaching secondary school choral music.

**MUE 4332 INSTRUMENTAL MUSIC IN THE SECONDARY SCHOOL**

(3)

PR: Cl. MUE 3450, MUE 3460, MVP 1211. Junior standing. Development and implementation of methods techniques for teaching secondary school instrumental music.

**MUE 4352 FOUNDATIONS OF INSTRUMENTAL MUSIC**

(2)

PR: Cl. MUE 3450, MUE 3460, MVP 1211. Junior standing. Introduction to the foundation of instrumental music instruction in the elementary and middle school.

**MUE 4480 MARCHING BAND TECHNIQUES**

(2)

PR: Junior standing. This course is required of instrumental music education majors. It will provide the student with the needed skills in creating for and teaching the public school marching band.

**MUE 4909 DIRECTED STUDY: MUSIC EDUCATION**

(1-3)

PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

**MUE 4936 SENIOR SEMINAR IN MUSIC**

(3)

CR MUE 4940. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.



**MUE 4940 INTERNSHIP: MUSIC EDUCATION (1-12)**

CR: MUE 4936. 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. (S/U only.)

**Theatre****THE 2020 THEATRE FUNDAMENTALS (2)**

An introduction to the art of theatre as part of the larger context of the nature of art itself. The approach will be both chronological and multi-cultural. This course open to non-majors and theatre majors should take this course concurrently with their first registration in the group of courses TPA 2200, TPA 2223, TPA 2232, TPP 2110. Required of all theatre majors.

**THE 3090C MODERN THEATRE PRACTICE -6A (4)**

Initial readings and exercises in theatre; play analysis, performance, and technical theatre for non-theatre majors.

**THE 3110 THEATRE HISTORY -XMW (4)**

PR: THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally fifteen plays will be read. Required of all theatre majors. Open to non-majors.

**THE 3925 PRODUCTION INVOLVEMENT (1)**

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. May be repeated. Open to non-majors with CI.

**THE 4180 THEATRE ORIGINS -6A -XMW (4)**

PR: THE 3100 and one of the following: THE 4320, THE 4330, THE 4360, THE 4401, THE 4442, THE 4480. 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. Open to senior non-majors with CI.

**THE 4264 HISTORY OF COSTUME (3)**

A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences. (A requirement in the design track/costume.) Open to upper level non-majors with CI.

**THE 4266 ARCHITECTURE AND DECOR (3)**

A survey of architecture and furniture from ancient Egypt to the 20th Century. (A requirement in the design track/scenic.) Open to upper level non-majors with CI.

**THE 4320 THE THEATRE OF MYTH AND RITUAL/NORTHERN EUROPEAN (950-1600) AND ORIENTAL (400-1200) -6A -XMW (3)**

PR: THE 3100. 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. Open to upper level non-majors with CI.

**THE 4330 SHAKESPEARE FOR THE THEATRE -6A -XMW -XLW (3)**

PR: THE 3100. A close study of selected plays with special emphasis on their performance values. Open to upper level non-majors with CI.

**THE 4360 THE 19TH CENTURY THEATRE REVOLUTION -6A -XLW (3)**

PR: THE 3100. Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity. Open to upper level non-majors with CI.

**THE 4401 O' NEILL AND AFTER -6A -XMW (3)**

PR: THE 3100. A course in the function of the script for the theatre artist treating materials in the American Theatre from 1915 to 1964. Open to upper-level non-majors with CI.

**THE 4435 THEATRE OF PLURALISM -6A -XMW (3)**

PR: THE 3100. The practice of theatre as it reflects cultural heritage, gender, race and sexual orientation. Study of contemporary scripts, critical and artistic statements. Open to upper level non-majors with CI.

**THE 4442 THE COMEDY OF THE CLASSIC AND NEO-CLASSIC STAGE -6A -XLW (3)**

PR: THE 3100. A study of comedic function in scripts from Greek and Roman, Restoration and French Neoclassic of the late 17th century and other plays from the late 18th and late 19th centuries which reflect similar characteristics. Open to upper level non-majors with CI.

**THE 4480 DRAMA-SPECIAL TOPICS (3)**

PR: THE 3100. A study of a significant playwright or grouping of playwrights, e.g. Moliere, Brecht, recent American dramatists. Open to upper level non-majors with CI.

**THE 4562 CONTEMPORARY PERFORMANCE THEORY -6A -XMW (4)**

PR: THE 3100 and one from the following: THE 4320, THE 4330, THE 4370, THE 4401, THE 4442, THE 4480; or CI. A seminar for advanced students focusing on the theory and practice of performance.

**THE 4593 HONORS SEMINAR (2)**

Readings in the literature, history and theory of the stage in preparation for Theatre Honors Practicum. Past topics have included New German Theatre, Popular Theatre, New American Theatre, Jacoben Theatre. Enrollment limited to upper level majors who have been formally admitted to the department honors program. Not available S/U. May not be repeated except under special and unusual circumstances.

**THE 4594 HONORS PRACTICUM (3)**

PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or production with guest artists. Past artists have included the Free Theatre of Munich, the San Francisco Mime Troupe, playwrights Eric Overmeyer, Jeff Jones and Gary Hill. May not be repeated except under special and unusual circumstances.

**THE 4595 HONORS THESIS (1-3)**

PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee.

**THE 4905 DIRECTED STUDIES (1-4)**

Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

**THE 4927 ADVANCED PRODUCTION INVOLVEMENT (1)**

PR: THE 3925 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. May be repeated. Open to non-majors with CI.

**THE 4930 SELECTED TOPICS IN THEATRE (1-8)**

PR: CI. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion or studio format. May be repeated for credit for different topics only.

**THE 5909 DIRECTED STUDIES (1-6)**

PR: CI and CC. Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

**THE 5931 SELECTED TOPICS IN THEATRE (1-8)**

PR: CI. The content of the course will be governed by the student demand and instructor interest. May be lecture or class discussion or studio format. May be repeated for credit for different topics only.

**TPA 2200 THEATRE CRAFTS: STAGECRAFT (3)**

Required of all theatre majors. The basic materials, equipment, and skills used in scenic construction and painting for theatrical productions. An introductory course with lab. Open to non-majors.

**TPA 2223 THEATRE CRAFTS: LIGHTING (3)**

Required of all design majors. This course or TPA 2232 is required of all theatre majors. The basic equipment and skills used in lighting stage productions. An introductory course with lab. Open to non-majors.

**TPA 2232 THEATRE CRAFTS: COSTUME (3)**

Required of all design majors. This course or TPA 2223 is required of all theatre majors. Open to non-majors. The basic materials, equipment, and skills used in costume construction for the stage. An introductory course with lab.

- TPA 2248 WORKSHOP IN STAGE MAKEUP** (1)  
Beginning theory and practice in make-up for the stage. Open to non-majors. Theatre majors given preference. A studio course.
- TPA 3004 MEANS OF VISUAL EXPRESSION** (3)  
PR: Completion of the four required 2000 level courses. The study of presentational techniques for visual design and technology as applied to the development of visual dynamics. Required of all theatre majors. Open to non-majors with TPA 2200 and CI.
- TPA 3221 LIGHTING: THEORY AND PRACTICE** (3)  
PR: TPA 2223 and TPA 3004. Intermediate lighting design course concerned with graphic presentations, color theory, design concepts, and practical experience with computer lighting systems. A requirement in the design track/lighting. Open to upper level non-majors with TPA 2223 and CI.
- TPA 3260 SOUND FOR THE STAGE** (3)  
PR: TPA 2223. Basic study of audio components, fundamental properties of sound, multiple channel recording, editing, reproduction and reinforcement. Methods and techniques used in theatre to create sound effects. Open to non-majors with CI.
- TPA 3601 STAGE MANAGEMENT** (2)  
PR: TPA 2200, TPA 2223, or TPA 2232. A practical course in the working organizational function of the stage manager in theatre, dance, opera, and other live performance situations. Open to non-majors with CI.
- TPA 3810 INTRODUCTION TO PUPPETRY** (3)  
PR: Completion of the four required 2000 level courses. Principles and methods of puppetry with a historical survey of major forms and practical problems with laboratory production. Open to nonmajors with CI.
- TPA 3840 PUPPETRY PERFORMANCE AND PRODUCTION** (4)  
PR: TPA 3810. The creation, building, rehearsal, and performance of plays for puppet theatre. May be repeated one time for additional elective credit, with CI, to total of 8 hours. Open to non-majors with CI.
- TPA 4020 LIGHT DESIGN** (4)  
PR: ART 3301C, TPA 3221, TPA 4208 and portfolio review. The aesthetic and practical application of the elements of design in lighting for theatre presentation. A requirement in the design track/lighting.
- TPA 4040 COSTUME DESIGN** (4)  
PR: ART 3301C, THE 4264, TPA 2232 and portfolio review. The aesthetic and practical application of the elements of design in costume for theatre presentation. A requirement in the design track/costume.
- TPA 4060 SCENE DESIGN** (4)  
PR: TPA 4208, THE 4266, ART 3301C and portfolio review. The aesthetic and practical application of the elements of design in scenery for theatre presentation. A requirement in the design track/scenic.
- TPA 4077 SCENE PAINTING** (2)  
PR: TPA 3004. A practical course in the painting of stage scenery: media and application. Open to upper level non-majors with CI.
- TPA 4208 STAGECRAFT AND DRAFTING** (3)  
PR: TPA 3004. A practical course in drafting for the stage, scenic construction and application. A requirement in the design/scenic and lighting. Open to upper level non-majors with CI.
- TPA 4231 COSTUME CONSTRUCTION** (3)  
PR: TPA 2232 and TPA 3004. A practical course in the drafting of patterns for costuming the actor. Materials, skills, and techniques for construction of costumes and costume accessories will be treated. Included topics are millinery, footwear, jewelry, masks, armor, corsetry; both period and modern. Open to upper level non-majors with CI.
- TPA 4273 STAGE PROPERTIES: TECHNIQUES AND MATERIALS STUDIO** (2)  
PR: TPA 3004. Demonstration of and experience with materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop. Open to upper level non-majors with CI.
- TPP 2110 VOICE-BODY-IMPROVISATION** (3)  
Exploring the elements basic to acting skills, a participation course. Required of all theatre majors. Open to non-majors.
- TPP 2111 WORKSHOP FOR TEXT ANALYSIS** (3)  
PR: Completion of the four required 2000 level theatre courses. An introduction to the analysis of distinct styles of plays, normally to include at least one contemporary realistic play and one classical play. Focus will be on the actor's or director's close reading of a script as a preparation for performance. Required of all theatre majors. Open to non-majors with TPP 2110 and CI.
- TPP 2500 BODY DISCIPLINES** (2)  
PR: Completion of four required 2000 level theatre courses. A laboratory course in various disciplines or systems in controlling and understanding the body's motive powers, with focus on their use for the stage performer. Required of all theatre majors with a performance concentration. May be repeated for credit. Open to upper level non-majors with CI.
- TPP 3121 IMPROVISATION I** (3)  
PR: Completion of the four required 2000 level courses. An intensive study in improvisation as an enhancement of the actor's skills. Exercises and theatre games as flexible forms which accommodate improvisation and physical invention are examined and used to develop group creativity. Open to non-majors with CI.
- TPP 3235 THEATRE FOR SPECIAL AUDIENCES** (3)  
PR: Completion of the four required 2000 level courses and/or CI. The preparation and performance of a production for a special audience (ethnic, children, aged, institutionalized, etc.) With CI, may be repeated one time as additional elective credit (total of 6 hours). Open to non-majors with CI.
- TPP 3580 SPECIAL SKILLS IN MOVEMENT** (2)  
PR: TPP 3500. Stage combat, circus and acrobatic techniques, and other special techniques of movement. May be repeated for credit. Open to upper level non-majors with CI.
- TPP 3790 VOICE PREPARATION FOR THE ACTOR** (2)  
PR: Completion of the four required 2000 level theatre courses. A laboratory in voice production and corrective speech for the actor. Required of all theatre majors with a performance concentration. May be repeated for credit. Open to upper level non-majors with CI.
- TPP 4140 STYLES OF ACTING** (3)  
PR: TPP 4150 or TPP 4230, and audition. Methodology and styles. Examination of the actor's craft and skills needed to fulfill the demands of various theatre forms. Special attention will be paid to the history of acting styles. Required of all theatre majors with a performance concentration.
- TPP 4150 SCENE STUDY I** (3)  
PR: TPP 3111 and audition. Basic scene study. Special problems in movement and speech to be integrated with character development, rehearsal techniques, and performance composition. Required of all theatre majors with a performance concentration.
- TPP 4152 SCENE STUDY II** (3)  
PR: TPP 4150 Intermediate scene study. Required of all theatre majors with a performance concentration.
- TPP 4180 ADVANCED SCENE STUDY** (3)  
PR: TPP 4140 and audition. The aesthetics of acting. The various theories of art. A studio course. Required of all theatre majors with a performance concentration.
- TPP 4220 AUDITION WORKSHOP FOR THE ACTOR** (2)  
PR: TPP 4150 or TPP 4230. Preparation for professional audition; discussion of professional objectives. Open to upper level non-majors with CI.
- TPP 4230 LABORATORY WORKSHOP IN PERFORMANCE** (3)  
PR: TPP 3111 and audition. Special workshop in advanced techniques based upon individual problems and needs. May be repeated twice (for a total of 9 hours credit). Open to upper level non-majors with CI.
- TPP 4250 MUSIC THEATRE WORKSHOP** (3)  
PR: TPP 3111. Special problems in acting as applied to the musical theatre with emphasis on singing and dance. Open to upper level non-majors with CI.



**TPP 4310, 4311 DIRECTING I, II****(3,3)**

PR: TPP 4150 or TPP 4230. 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 I****(3)**

PR: THE 3100, TPA 3004, and TPP 3111. An elective sequence in writing, in which the student first encounters the problems unique to dramatic language and situation, then progresses to complexities of character, plot, and stage dynamics. Normally the aim would be to complete several performance-worthy self-contained scenes. May be repeated for credit. Open to upper level non-majors with CI.

**TPP 4920 SENIOR WORKSHOP FOR ACTORS****(3)**

PR: TPP 4152, TPP 3500, TPP 3790. A workshop in advanced vocal and movement techniques. Required for all theatre majors with a performance concentration.

**Theatre Education****EDG 4320 INTRODUCTION TO CREATIVE DRAMA****(3)**

This course for classroom teachers introduces the theory and practice of creative drama as it applies to use by

elementary, middle school and secondary school teachers. Beginning with a study of dramatic play as it relates to human development, the course includes basic strategies when using pantomime, voice improvisation, theatre games, and role playing and story dramatization.

**THE 4722 THEATRE FOR PRE-SECONDARY SCHOOLS:****THE PRODUCTION PROCESS****(3)**

The play production process as it applies to theatre artist-in-schools programs, including development of related classroom workshops and preparation of study guides, and educational program materials as well as design, direction and rehearsal of play and touring methods. May be repeated for elective credit two times; once for major credit.

**THE 4723 THEATRE FOR PRE-SECONDARY SCHOOLS:****THE PERFORMANCE PROCESS****(3)**

The artistic process of performing for various school audiences and practice conducting classroom workshops following each performance. May be repeated for elective credit two times; once for major credit.

**THE 4761 METHODS OF TEACHING THEATRE FOR****ADOLESCENTS****(3)**

Methods of effective drama and theatre instruction in middle school, junior and senior high schools, recreation centers, community and professional theatres.

# NEW COLLEGE OF USF

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

New College of the University of South Florida, located on USF's Sarasota campus, is a distinguished residential college that serves as the honors college of the State University System. It offers a nationally recognized liberal arts education at regular state tuition rates.

The New College student/faculty ratio is approximately 11:1; ninety-four percent of the faculty hold earned doctorates. Students work closely with faculty members in small classes, tutorials, and on individual projects.

Admission criteria are highly selective. New College looks for students who have demonstrated above average ability, academic motivation and self-discipline. About half the students are from Florida.

New College offers to students a level of faculty support and facilities for study generally found only at very expensive private colleges. This is possible because the gap between public funding and the actual cost of a New College education is closed by annual grants to the University from the New College Foundation. The Foundation also raises substantial scholarship funds for meritorious students.

## Educational Program

The New College degree is awarded for intensive, individualized study in the liberal arts and sciences. Classes, tutorials and independent study projects are tools the student, with faculty guidance, uses to discover and pursue intellectual and career interests. Study at New College culminates in a senior thesis and baccalaureate examination in the student's chosen area of concentration.

New College offers excellent academic facilities. A \$6.1 million library opened on the campus in 1986, housing a collection presently numbered at over 200,000 volumes. The library is linked through inter-library loan to the USF system of over one million volumes, and to a network of thousands of other libraries. It also subscribes to computerized data bases that extend its reach beyond the region. The New College Natural Sciences laboratories, open to students around the clock, feature many research-grade instruments, including a scanning electron microscope. The college has special access to significant biological field research sites in the Sarasota area. Open-use computer labs are supplemented by dedicated computers in various disciplines.

Campus-based studies can be supplemented by off-campus field research and internships, and by study abroad. New College participates in the Florida State University Study Centers in London and Florence, as well as in other programs, and has an exchange program with the University of Newcastle.

## Areas of Study

All studies at New College lead to the Bachelor of Arts. Students may concentrate in a specific discipline or they may design, with faculty approval, an interdisciplinary concentration. The faculty offers the following areas of study: Anthropology, Art History, Biology, Chemistry, Classics, Computer Science, Economics, Environmental Studies, Fine Arts, History, Languages, Literature, Mathematics, Medieval & Renaissance Studies, Music, Philosophy, Physics, Political Science, Psychology, Public Policy, Religion, Sociology, Urban Studies.

Elementary through advanced studies in French, German, Russian, Spanish, Latin and Greek language and literature are available.

Study at New College leads to a wide range of careers. Graduates from New College go to medical, dental and law school. A large number do graduate work in the arts and sciences, leading to teaching, research and careers in government and industry. Others obtain advanced degrees in business, education, religion and architecture. Those not going on for advanced degrees have launched successful careers in journalism, fine arts, retailing, management, finances, environmental planning and a host of other fields. Quite a few have become entrepreneurs, founding businesses of their own based on skills acquired while students.

## Academic Calendar and Residence Requirements

The New College calendar consists of two 15-week semesters and a four-week independent study period in January. Fall semester begins in late August and ends just before Christmas. Spring semester begins the first week in February and ends in late May. Enrollment at New College is full-time.

Students may complete the degree in seven semesters (three and one-half years) as a result of New College's longer academic year and the advanced nature of the program. Three Independent Study Projects are carried out during January and/or the summer recess. Students may register for up to two additional semesters if their academic programs require it; they may also take up to two semesters of academic leave during their tenure at New College without loss of scholarship support. By special petition and with summer study, exceptionally qualified students may complete the degree requirements in three years. All students must complete a senior thesis and pass a baccalaureate examination based primarily upon the senior thesis.

Transfer students may have the number of semesters required for graduation reduced through the awarding of transfer credit for college-level work done elsewhere. The maximum allowable transfer credit is equivalent to three semesters and one independent study project.

## Admissions Requirements

New College actively seeks those students who will benefit most from the demanding academic program and flexible curriculum. The college looks for evidence of intellectual potential, strong academic preparation, self-motivation and initiative, tenacity, curiosity, and concern for others.

Applicants must submit a State University System application, New College supplementary application, official high school transcript, SAT or ACT scores, a graded research paper from an English or history class, teacher's recommendation, and counselor recommendation. Transfer applicants must also submit transcripts from all colleges or universities they have attended. New College welcomes transfer applicants. A growing number of students come to New College from Florida's two-year community colleges.

New College tuition is the same as for other institutions within the State University System.

Both need-based financial aid and achievement-based scholarships are available to New College students, and about 67% of the students receive some type of direct financial assistance. Students must apply for need-based aid and for USF scholarships. Achievement scholarships from the New College Foundation are awarded by the New College Admissions Office to those students the college believes will make an outstanding contribution to the New College community.

The New College Admissions Office processes applications on a rolling basis, with decisions beginning about January 15. The Free Application for Federal Student Aid should be completed and submitted as soon as possible after January 1. Application forms and literature can be obtained from the New College Office of Admissions, 5700 N. Tamiami Trail, Sarasota, FL 34243. (813) 359-4269.

## Student Life

New College is a residential college, with the majority of its students living on campus or in adjacent neighborhoods. All students attend full-time. Students are challenged to accept major responsibilities for the direction of their own affairs, including their social and extra-curricular activities. The Student Affairs Office, through its professional staff, is responsible for personal counseling, housing, health services, and other support services.

All first-year students live on campus and participate in the community dining plan. Upper-class students may choose college or non-college housing. A medical plan gives students access to a physician.



# COLLEGE OF NURSING

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The College of Nursing is committed to the advancement of nursing and the promotion of health care services 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.

There are two sequences in the undergraduate program, one for qualified students with no previous preparation in nursing (basic students), and one for registered nurses, who are graduates of diploma or associate degree nursing programs. The basic sequence is designed so that students who have completed the prerequisite/support courses can enroll in the nursing major and complete requirements for the degree in four semesters and a summer session of full-time study on the Tampa campus. 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.

The program is accredited by the National League for Nursing 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. Graduates of the undergraduate program have the educational background necessary for graduate study in 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. Florida residents are given priority.

## Philosophy of Nursing

We believe that professional nursing is a science and an art that provides holistic care aimed at assisting or empowering individuals, families and communities to achieve health. Nursing is a discipline sanctioned by society that is responsive to societal needs.

We believe that nursing has and continues to build a body of scientific knowledge through systematic inquiry, creativity and critical thinking. This scientific knowledge promotes theory-driven and research-based nursing practice that influences practice, health care delivery and health policy. Nurses use a systematic approach to assess, plan, treat and evaluate health status within the physical, psychosocial, economic, and spiritual domains.

We believe that nurses interact with individuals, groups, families, and communities for the purposes of health promotion, education, disease prevention, illness care, and rehabilitation. Nurses assume multiple roles and act in collaboration with other health care disciplines to promote modification of the environment. We believe that environment encompasses all the internal and external influences affecting people. We acknowledge that we live in a world where global events can influence health locally.

We believe that the health of individuals, families, and communities is a perceived state which fluctuates throughout the lifespan. The perceptions of individuals, families, and communities influence their reactions to the environment that lead to actions which promote, maintain, or compromise health. Health is influenced by cultural, social, economic, political, environmental and technological forces, and is expressed through the physiologic, psychosocial and spiritual domains. Health is the right of every individual and health care is the responsibility of society.

We recognize that we live in a pluralistic, multicultural world in which nurses value and protect individual rights and freedoms. Health care must be accessible to all persons in society. Nursing strives to provide affordable health care and preventive services in diverse environments.

We believe the discipline of nursing is an integral part of the system of higher education and is responsible for the development and dissemination of knowledge. Knowledge is developed through identification of models for systematic thought, development and testing of theories for nursing, and clinical research. With this knowledge, undergraduate students are prepared to enter into professional practice and graduate students into areas of specialized practice and research. The discipline disseminates knowledge through scholarly activities and is responsible for promoting and preserving the historic and philosophic foundation of the profession.

We believe that teaching and learning are interactive processes through which learners have the freedom and responsibility to learn and teachers have the freedom and responsibility to teach. Faculty help students identify their learning needs, design learning activities to meet those needs, and evaluate the outcomes. Learning is an active lifelong process of personal and professional growth, which all members of the discipline pursue to advance the art and science of nursing.

## 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 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 applying clinical data and research findings to the implementation of care.
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 populations.
5. Examine the impact of health care policy on the health care delivery system within a variety of settings.
6. Practice within the legal ethical 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.

## Undergraduate Education In Nursing

The undergraduate program in nursing is a limited access upper division major at the University of South Florida. The program has 2 sequences: one for qualified basic students with no previous preparation in nursing and one for qualified registered nurse students who are graduates of an associate degree or diploma program in nursing. Applicants for either sequence must submit applications to both the University and the College of Nursing by the appropriate deadline dates.

Applications for admission to the University may be obtained by contacting the Office of Admissions, University of South Florida, Tampa, Florida 33620. Applications for the College of Nursing are available from USF College of Nursing, Office of Student Affairs, MDC Box 22, 12901 Bruce B. Downs Blvd., Tampa, Florida 33612.

Applicants must 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.

Students who enroll at USF in the lower division must meet the requirements for admission to the University and are admitted to Academic Support and Achievement. These students must also submit an application for admission to the College of Nursing for the upper division major.

Basic students are admitted once a year in the Fall semester. The deadline for application to the College is January 4 of the year in which the student plans to enroll.

Registered nurse students are admitted to the College in fall and spring semesters. The deadline for receipt of an application from registered nurse students is March 1 for the fall semester and September 1 for the spring semester of the coming year in which the student plans to enroll. Registered nurse students are admitted to the College contingent upon completion of admission requirements. Preference for admission will be given to students who have completed the most prerequisites by the application deadline date.

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.

For more specific information contact the College of Nursing, Office of Student Affairs for overall requirements.

### Overall Requirements

1. Completion of 60 semester hours of college-level work with a cumulative grade-point average of 2.5. Credit received on the basis of CLEP or Advanced Placement examinations or other appropriate procedures may be included to meet some of these requirements.
2. Completion of the University of South Florida Liberal Arts requirements as part of the above for freshmen, out of state transfer students, in state transfer students from private institutions and former USF students returning. Transfer students from Florida public post secondary institutions may have the option of selecting general education requirements listed in a catalog prior to 1994-95. These requirements may be satisfied by the completion of the following:
 

English	6
Math	6
Algebra (3)	
Statistics (3)	
Fine Arts	3
Natural Science	16-19
Chemistry (4-6)	
Nutrition (3)	
Microbiology (4)	
Anatomy/Physiology (5-8)	
Social Sciences	15
Life Cycle (3)	
Psychology (3)	
Sociology (3)	
Economics (3)	
Government/Policy (3)	
Historical Perspectives	6
African, Latin American, Middle Eastern, Asian Perspectives	3
Electives	2-4
3. Students with an 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.
4. Students are required to meet the University requirement for foreign language.

### Admission Requirements

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 an application and all supporting materials, including official transcripts, to the College of Nursing by the appropriate deadline.

3. Maintain a minimum grade point average of 2.5 with a grade of "C" or better in each Liberal Arts course required for the major.
4. Complete prior to enrollment in the major all those Liberal Arts courses required for admission to the major.
5. Complete all Liberal Arts courses required for the major with not more than two (2) repeated courses and not more than one (1) repeat of any given course.
6. Complete the College Level Academic Skills Test (CLAST) and the writing and computation course requirements of 6A-10.30 (Gordon Rule).
7. Complete an approved cardiopulmonary resuscitation (BCLS) course prior to enrollment.
8. Provide evidence of current licensure in Florida if enrolling in the program as a registered nurse.

### Conditional Admission Policy for Registered Nurses

RN students with 5 or less outstanding courses (Liberal Arts/Prerequisites) may be admitted conditionally to the College of Nursing. Students may enroll in the appropriate sequence of the following selected courses while completing these requirements. A contract to remove the deficiencies must be developed and signed by the student and academic advisor prior to enrollment in any nursing course. Nursing courses for the RN Sequence are listed below are in the preferred sequence for enrollment:

NUR 3113	Culture of Nursing
NUR 3114	Introduction to Clinical Judgement
NUR 3064C	Health Assessment Across the Life Span
NUR 4766	Critical Care
NUR 4765C	Rehabilitation Across the Life Span
NUR 3145	Pharmacology in Nursing Practice
NUR 3829	Ethical/Legal Aspects in Nursing and Health Care
NUR 4041	Culture in Nursing Practice
NUR 4165	Nursing Inquiry
NUR Electives	

The following courses are restricted to fully admitted students: NUR 4636, NUR 4636L, NUR 4838, and NUR 4948L.

In addition to the requirements listed, a minimum of 10 credits in upper level electives is required for graduation: at least six (6) credits in upper level courses in Liberal Arts (courses in arts, humanities, natural or behavioral sciences, economics, business or management, education, etc., are acceptable) and at least four (4) credits in nursing electives (NUR 4935, Selected Topics in Nursing and/or NUR 4905C, Independent Study in Nursing can be used in addition to regularly approved electives). Planning with an academic advisor prior to enrollment in upper-level electives is strongly recommended.

### Specific Course Requirements

The College of Nursing requires certain courses within the Liberal Arts requirements for the natural, social and behavioral sciences, and mathematics. These requirements are outlined below. *Suggested courses are also included.* The student must: 1) earn a grade of "C" or better in each 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 (813-974-2191). These requirements apply to first time in college students admitted for Fall of 1994 and thereafter.

#### Specific Course Requirements

1. Mathematics/Quantitative Methods: completion of at least one course in mathematics that meets the Gordon Rule requirement and one course in statistics.



- a. **Mathematics** - one course in college level algebra must be completed with a grade of "C" or better. CLEP subject exams are acceptable.
- b. **Statistics** - one course in statistics must be completed with a grade of "C" or better. STA 3122
2. **Natural Sciences**: minimum of 16 semester credits (including anatomy, physiology, and microbiology). Each course taken toward meeting this 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** - A range of 4 to 6 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, 2031; CHM 2041, 2046 can be met with CLEP. \*Chemistry sequence for non-science majors.
  - b. **Microbiology** - one course. CLEP is not acceptable. MCB 3030C. The ACT/PEP examination in microbiology is acceptable.
  - c. **Anatomy and Physiology** - one course. A combined course in anatomy and physiology which is equivalent to BSC 3092 is acceptable or two 4 credit individual courses. The ACT/PEP examination in anatomy and physiology is acceptable.
  - d. **Nutrition** - one course. College of Nursing Challenge Examination or University of Florida correspondence course are acceptable. HUN 2201.
3. **Social Sciences**
  - a. **Government** - one course in government/policy. CLEP is acceptable. POS 2041, POS 2112, PAD 3003, POT 4204, POS 4424, SYO 4300.
  - b. **Psychology, Sociology and Economics** - one course in each area. CLEP is acceptable.
  - c. **Human Growth and Development (Life Span)** - Must include birth through aging process to death. HUS 4020, DEP 4005 or DEP 3103 and GEY 3000.

### CLEP Examinations

In accordance with University policies, College Level Examination Program (CLEP) general and subject examinations may be taken in several areas. CLEP examinations must be taken 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: American Government POS 2041; English Composition ENC 1101, 1102; Economics ECO 2013; General Chemistry CHM 2030 and CHM 2031 or CHM 2041 and CHM 2046. Additional information may be obtained from the Office of Evaluation and Testing, University of South Florida.

### ACT/PEP and College of Nursing Examinations

Successful completion of the following examination(s) can be used to fulfill course requirements as designated below:

1. **College of Nursing - Nutrition Challenge Examinations**: a total of 3 semester credits can be earned by any undergraduate student to meet the course requirement in nutrition. Information about the College examination in nutrition may be obtained by contacting the College of Nursing Office of Student Affairs, University of South Florida.
2. **Registered nurses** who are graduates of diploma programs may receive 23 semester general elective lower level credits through successful completion of the ACT/PEP examinations in nursing. These credits do *not* apply toward meeting the University requirement of 40 upper level credits, or toward meeting the requirements of the upper level

nursing major. The credits earned by passing the ACT/PEP examinations in nursing apply only to the B.S. degree with a major in nursing offered by the College of Nursing.

3. **Registered nurses** who are graduates of Florida associate degree programs will receive up to 23 semester lower level credits for their previous nursing education. Graduates of other associate degree nursing programs may receive up to 23 credits after individual evaluation of their transcripts.
4. Both basic and 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 ACT/PEP examination in anatomy and physiology, and up to 3 credits in microbiology through successful completion of the ACT/PEP examination in microbiology. ACT/PEP 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, 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).

### Nursing Courses - Basic Baccalaureate Sequence

*Basic Baccalaureate students enrolled in the nursing major Fall 1995 and thereafter meet the following courses in the five semester sequence:*

Junior Year (2 semesters)

- NUR 3113 Culture of Nursing (2)
- NUR 3114 Introduction to Clinical Judgement (3)
- NUR 3114L Introduction to Clinical Practice (2)
- NUR 3064C Health Assessment Across the Life Span (3)
- NUR 3829 Ethical Legal (3)
- NUR 3145 Pharmacology in Nursing Practice (2)
- NUR 3215 Adult Health I (3)
- NUR 3215L Clinical Practice in Adult Health II (3)
- NUR 3284C Gerontological Nursing (2)

Senior Year (3 semesters)

- NUR 4216 Adult Health II (3)
- NUR 4216L Clinical Practice in Adult Health II (3)
- NUR 4165 Nursing Inquiry (2)
- NUR 4041 Culture in Nursing Practice (2)
- NUR 4616 Family Health (4)
- NUR 4616L Clinical Practice in Family Health (3)
- NUR 4636 Community Health (2)
- NUR 4636L Clinical Practice in Community Health (2)
- NUR 4765C Rehabilitation Across the Life Span (2)
- NUR 4838 Leadership/Management (3)
- NUR 4525 Psychiatric/Mental Health (2)
- NUR 4525L Clinical Practice in Psychiatric/Mental Health (1)
- NUR 4766 Critical Care (2)
- NUR 4948L Preceptorship (3)

In addition to the requirements listed above, a minimum of 10 credits in upper level electives including exit requirements will be required for graduation. Planning with an academic advisor prior to enrollment in upper-level electives is strongly recommended.

### Nursing Courses - Registered Nurse Sequence

(3 semesters)

- NUR 3113 Culture of Nursing (2)
- NUR 3114 Introduction to Clinical Judgement (3)
- NUR 3064C Health Assessment Across the Life Span (3)
- NUR 4765C Rehabilitation Across the Life Span (2)

NUR 4766	Critical Care (2)
NUR 3829	Ethical Legal (3)
NUR 3145	Pharmacology in Nursing Practice (2)
NUR 4041	Culture in Nursing Practice (2)
NUR 4636	Community Health (2)
NUR 4636L	Clinical Practice in Community Health (2)
NUR 4165	Nursing Inquiry (2)
NUR 4838	Leadership/Management (3)
NUR 4948L	Preceptorship (3)

• **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**

The University and the College of Nursing work closely with the community colleges within the 15 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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed. 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 "Specific Course Requirements." Students must complete the **prerequisite courses** listed below prior to being admitted to the upper-division major. Students who do not complete these prerequisites can be admitted to the University, but not to the upper-division major. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

BSC X085C Human Anatomy & Physiology I

or Any Human Anatomy & Physiology I course,  
3-4 semester hours

BSC X086C Human Anatomy & Physiology II

or Any Human Anatomy & Physiology II course,  
3-4 semester hours

DEP X004 Human Growth & Development

or any Human Growth & Development course,  
3 semester hours

CHM XXXX Comprehensive General Chemistry,  
4-6 semester hours

HUN X201 Human Nutrition

or Any Human Nutrition course, 3 semester hours

MCB X010C Microbiology

or Any Microbiology course, 4 semester hours

PSY X012 Introduction to Psychology

or Any General Psychology course, 3 semester hours

STA X014 Statistics

or Any Statistics course, 3 semester hours

SYG X000 Introduction to Sociology

or Any Introduction to Sociology course, 3 semester hours

Direct residency questions to the Office of Admissions, SVC 1036, 4202 Fowler Avenue, Tampa, Florida 33620-6900 or phone 813/974-3350.

All eligible applicants may seek advisement and information through the Adult and Transfer Student Services office of the University, SVC 1001, 813/974-6444.

Enrollment of all students is contingent upon verification, through official transcripts, of satisfactory completion of all requirements for admission and availability of faculty and clinical resources.

## Nursing Faculty

*Dean:* P. Burns; *Dean Emeritus:* G. MacDonald; *Professors:* D. Campbell, C. Lengacher, S. McMillan, L. Moody, J. Plawewski, O. Riggins; *Visiting Professors:* M. Evans, V. Ross, E. Slocumb; *Professor Emeritus:* I. King; *Associate Professors:* C. Burns, P. Gorzka, J. Gregory, C. Long, L. Lowry, B. Redding, S. Sisson, M. Tittle, M. L. VanCott; *Associate Professor Emeritus:* S. Boyd; *Clinical Associate Professor:* D. Cooper; *Assistant Professors:* T. Beckie, J. Bezon, N. Esposito, E. Francis, L. Gonzalez, D. Heinemann, J. Larson-Presswalla, P. Page, G. Powell-Cope, M. Webb; *Clinical Assistant Professors:* J. Fanning, J. Merritt; *Visiting Assistant Professors:* J. Barroso, P. Donaldson, N. Kumar; *Instructors:* K. Echevarria, C. Holsonback; *Visiting Instructors:* P. Bornick, D. Danforth, C. Fawcett, S. Pickard-Holley, E. Felber.

## Nursing Courses

### HUN 2201 NUTRITION (3)

PR: Course work in chemistry and biology or permission of faculty. Open to majors and non-majors. The study of fundamental principles of normal nutrition as they relate to human life and growth from conception through senescence, interpretation of current nutrition information, and application of nutrition knowledge in the establishment of good eating habits

### NUR 2935 SELECTED TOPICS IN NURSING (1-3)

PR: Cl. Freshman or sophomore standing. Open to non-majors. Content will depend upon student demand and faculty interest and may focus on any area relevant to health care. May involve class, seminar, and/or observational field experiences (non-clinical). May be repeated for credit for different topics.

### NUR 3064C HEALTH ASSESSMENT ACROSS THE LIFE SPAN (3)

PR: Admission to nursing major or Cl. Focuses on history taking, physical appraisal skills basic to biopsychosocial assessment across the life span. Emphasizes assessment phase of the diagnostic reasoning process to identify alterations in functional health patterns.

### NUR 3113 CULTURE OF NURSING (2)

PR: Admission to nursing major or Cl. Introduction to evolving role of the professional nurse. Examines historical context of nursing's development, nursing's theoretical progression, and wellness-focused practice as a culture.

### NUR 3114 INTRODUCTION TO CLINICAL JUDGMENT (3)

PR: Concurrent with NUR 3114L. Admission to nursing major. Focuses on the basic concepts of health, functional health patterns and communication. Critical thinking is used to analyze the effects of changes in health status and nursing implications.

### NUR 3114L INTRODUCTION TO CLINICAL PRACTICE (2)

PR: Concurrent with NUR 3114. Admission to nursing major. Includes laboratory, clinical experiences, and selected psychomotor skills. Beginning application of clinical judgment in implementing therapeutic nursing interventions for adults.

### NUR 3145 PHARMACOLOGY IN NURSING PRACTICE (2)

PR: Admission to nursing major or Cl. Examines pharmacotherapeutics; pharmacodynamics; pharmacokinetics; adverse reactions and contraindications; therapeutic indications according to functional health patterns; and nursing implications.

### NUR 3215 ADULT HEALTH I (3)

PR: NUR 3113, 3114, 3114L, 3064C. Concurrent with NUR 3215L. Nursing Majors. Examines adults with alterations in health maintenance, nutritional/metabolic, elimination, and sexuality/reproductive functional health care patterns. Critical thinking is used to analyze effects of changes in health status.

### NUR 3215L CLINICAL PRACTICE IN ADULT HEALTH I (3)

PR: NUR 3113, 3114, 3114L, 3064C. Concurrent with NUR 3215. Nursing Majors. Clinical intervention for adults with alterations in functional health patterns in a variety of settings. Emphasizes clinical judgment in implementing therapeutic nursing interventions.



- NUR 3284C GERONTOLOGICAL NURSING** (2)  
PR: NUR 3113, 3114, 3114L, 3064C. Nursing Majors. Focuses on theories of aging and human development; assessment of functional health patterns; and planning health promotion and disease prevention activities with older adults. Critical thinking is used to analyze the effects of interventions on individuals and groups.
- NUR 3829 ETHICAL LEGAL ASPECTS IN NURSING AND HEALTH CARE -XMW** (3)  
PR: NUR 3113 or CI. Nursing Majors. Introduction to contemporary bioethical and legal issues confronting health care providers in a variety of settings. Focuses on identification of legal and ethical principles underlying the decision-making process in nursing and health care.
- NUR 4041 CULTURE IN NURSING PRACTICE** (2)  
PR: NUR 3113 or CI. Nursing Majors. Introduces knowledge and skills needed to give culturally congruent nursing care to people from diverse cultural groups. Compares and analyzes health-related practices, values, beliefs among major cultural groups.
- NUR 4165 NURSING INQUIRY** (2)  
PR: NUR 3113, Nursing Majors or CI. An exploration of the research process. Emphasis on identification of researchable nursing problems and evaluation of research that is applicable to nursing practice.
- NUR 4194 AN INTERDISCIPLINARY PERSPECTIVE ON HIV DISEASE -6A -XLW -XMW** (3)  
Provides an interdisciplinary perspective on HIV disease. Topics include the etiology, spectrum, and treatment of HIV disease; international perspectives; issues of race, gender, and ethnicity; values, ethics, and their influences on responses to HIV; and how the media has shaped the epidemic.
- NUR 4216 ADULT HEALTH II** (3)  
PR: NUR 3829, 3145, 3215, 3215L, 3284C. Concurrent with NUR 4216L. Nursing Majors. Focuses on adults with health problems related to activity/exercise and cognitive/perceptual health patterns. Critical thinking is used to analyze the effects of changes in health status.
- NUR 4216L CLINICAL PRACTICE IN ADULT HEALTH II** (3)  
PR: NUR 3829, 3145, 3215, 3215L, 3284C. Concurrent with NUR 4216. Nursing Majors. Clinical intervention for adults with selected health problems in a variety of settings. Emphasizes clinical judgment in implementing therapeutic nursing interventions for adults with a variety of health problems related to alterations of functional health patterns.
- NUR 4245 WELLNESS: HEALTH PROMOTION AND MAINTENANCE IN NURSING** (2)  
Introduction to concepts of wellness and health promotion. Concepts of wellness include nutrition, exercise, rest, activity, spiritual factors and their relationship to wellness and health promotion and application to nursing practice. Open to non-nursing majors.
- NUR 4395C SPECIALIZED TECHNIQUES IN CHILD HEALTH ASSESSMENT** (3)  
Designed to teach the reliable administration and interpretation of the NCAST II and the HOME instruments. Inter-observer reliability will be achieved through observation of parent-child interaction.
- NUR 4525 PSYCHIATRIC/MENTAL HEALTH** (2)  
PR: NUR 4616, 4616L, 4636, 4636L. Concurrent with NUR 4256L. Nursing Majors. Explores mind, body, spirit alterations in functional health patterns experienced by clients with acute and chronic mental health illnesses. Examines psychopathology, psychopharmacologic therapies and community resources.
- NUR 4525L CLINICAL PRACTICE IN PSYCHIATRIC/MENTAL HEALTH** (1)  
PR: NUR 4616, 4616L, 4636, 4636L. Concurrent with NUR 4256. Nursing Majors. Focuses on clinical internmention using critical thinking and communication skills with clients who require complex psychiatric rehabilitative care. Opportunities are offered to apply knowledge of psychopathology and psychopharmacologic therapies.
- NUR 4616 FAMILY HEALTH** (4)  
PR: NUR 4216, 4216L, 4041. Concurrent with 4611L. Nursing Majors. Focuses on health promotion, identification of risk factors, illness care, disease prevention, and health restoration and maintenance with childbearing and child rearing families.
- NUR 4616L CLINICAL PRACTICE IN FAMILY HEALTH** (3)  
PR: NUR 4216, 4216L, 4041. Concurrent with 4611. Nursing Majors. Includes therapeutic interventions for childbearing and childrearing families within a variety of settings.
- NUR 4636 COMMUNITY HEALTH** (2)  
PR: NUR 4216, 4216L, 4041. Concurrent with 4636L. Nursing Majors and admission to the major for RN or BS students. Focuses on theories/concepts essential to community health nursing, emphasizing illness prevention and health promotion of individuals, families, communities. Roles of community health nurses and environments that affect health are explored.
- NUR 4636L CLINICAL PRACTICE IN COMMUNITY HEALTH** (2)  
PR: NUR 4216, 4216L, 4041. Concurrent with NUR 4636. Nursing Majors and admission to major for RN or BS students. Provides opportunities to engage in community health nursing practice to promote health and prevent illness with individuals, families, and communities.
- NUR 4765C REHABILITATION ACROSS THE LIFE SPAN** (2)  
PR: NUR 4636, 4636L. Nursing Major or CI. Basic concepts of rehabilitation related to human responses. Analysis of the changes in health status and nursing implications.
- NUR 4766 CRITICAL CARE** (2)  
PR: NUR 4616, 4616L, 4636, 4636L. 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 4792 SEXUALLY TRANSMITTED DISEASES AND HIV INFECTION** (2)  
Open to students and caregivers in health related fields. Examines prevalent sexually transmitted diseases and HIV infection from a nursing perspective. Emphasis is on epidemiologic principles, immunology, treatment, prevention, and ethical/legal considerations.
- NUR 4838 LEADERSHIP/MANAGEMENT** (3)  
PR: NUR 4636, 4636L. Nursing Majors and admission to major for RN to BS students. Examines health care delivery systems and explores principles of leadership/management and ethical/legal issues within the systems. Skills of leaders and managers are implemented in nursing practice with individuals and groups.
- NUR 4905C INDEPENDENT STUDY** (1-5)  
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. May be repeated to maximum of 5 credits.
- NUR 4935 SELECTED TOPICS IN NURSING** (2-8)  
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 and may be repeated for different topics.
- NUR 4938 HONORS SEMINAR** (4)  
PR: Acceptance into the honors program in nursing and CI. The Honors Seminar is designed to provide selected students with an opportunity to explore major works of nursing in-depth and to present, discuss, and defend a proposal for a research project.
- NUR 4948L PRECEPTORSHIP** (3)  
PR: NUR 4636, 4636L. Nursing Majors. Individually contracted practicum collaboratively planned by students, faculty and agency personnel.
- NUR 4975 HONORS THESIS** (2)  
PR: Honors Seminar and CI. The student under the supervision of a faculty advisor will formalize, conduct, analyze and report in writing and orally a research project in nursing. May be repeated up to 2 credit hours.

# COLLEGE OF PUBLIC HEALTH

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The College of Public Health began offering courses in 1984 and is fully accredited by the Council on Education for Public Health.

The primary aim of the College is to provide trained health professionals who can meet the pressing health needs of the State and nation. The College also serves as a State resource for public health research and information. Often cited as a bellwether state, due in part to its diverse population, Florida serves as an excellent environment for studying current and emerging health care issues.

The field of public health is broad. It focuses upon the prevention of illness, the promotion of health, the control of infectious and chronic diseases and the methods for providing care to targeted populations such as those faced with geographic, financial, cultural and other access barriers.

Public health is concerned with keeping health care costs down and finding cost-effective ways to deal with the medically indigent population. It serves to address environmental issues as they affect populations as well as health and safety in the workplace.

Despite this diversity, the common focus of public health education is on preventing disease and promoting health in populations.

The Department of Community and Family Health offers an accelerated entry program which enables qualified 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. These programs include social sciences, natural sciences, behavioral sciences, pre-med, nursing, education, etc. Full-time students are able to complete graduate 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.

The MPH is a professional, non-thesis degree. The course of study is designed to prepare professional health educators to develop, implement, manage and evaluate programs which focus on health promotion and disease prevention. Individual and public health issues encompass the interrelationships of social, behavioral, legal, medical and economic factors. Therefore, 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. 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 and state health agencies, private industry and international health organizations.

Students seeking admission to the MPH 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 Rule 6A-10.3 requirements.

Undergraduate students seeking careers in public health including Health Administration and Management, Environmental Health, Industrial Hygiene, Safety Management, Health Education, Maternal and Child Health, Epidemiology and Biostatistics should refer to the USF Graduate Catalog in order to plan an undergraduate program that will meet the College of Public Health admission requirements for graduate work.

Students interested in these programs should contact the Office of Academics at the College of Public Health for specific information, 974-6665.

## Public and Community Health Education Courses

### HSC 2100 CONTEMPORARY HEALTH SCIENCE-SS (3)

A comprehensive approach to health concerns and problems in contemporary society, including methods of assessing individual health needs.

### HSC 4203 INTRODUCTION TO PUBLIC HEALTH (3)

A survey of policies and programs in public/community health with emphasis on specific needs and problems of Florida.

### HSC 4541 HUMAN STRUCTURE AND FUNCTION (3)

PR: Fundamentals of biology with lab or CI. Major concepts of the structure and function of the human body systems and methods by which these concepts may be taught.

### HSC 4554 SURVEY OF HUMAN DISEASES (3)

PR: Fundamentals of Biology with lab or CI. An overview of the nature, types, and mechanisms of diseases of the major body systems.

### HSC 4933 SPECIAL TOPICS: PUBLIC HEALTH (1-6)

PR: CI. The content of this course will be governed by student demand and instructor interest. May be repeated for credit for different topics only.



# UNDERGRADUATE STUDIES

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

The Dean of Undergraduate Studies has overall responsibility to enhance the quality of the learning experience in undergraduate programs across all colleges and campuses of the University. The Dean is committed to providing vision and leadership in undergraduate education and to serving the needs of all undergraduate students including those with non-traditional and diverse backgrounds. The Dean serves as the Director of Community College Relations and as such is charged with promoting collaborative relationships and enhancing the articulation between USF and Florida's community colleges. The Dean is responsible for negotiating articulation agreements with community colleges and area school boards.

The Dean of Undergraduate Studies also is the University Student Ombudsman for undergraduate academic matters. The function of the Student Ombudsman is to handle student appeals concerning access to courses and credit granted toward the student's degree. Students who wish to make an appeal should contact the Office of the Dean of Undergraduate Studies. Please contact the Office of the Dean of Undergraduate Studies at SVC 2002, 974-4051 for further information.

The Dean supervises several units and undergraduate academic programs that are not the purview of a single school or college including the offices of Evaluation and Testing, International Student Exchange Program, Off-Campus Term Program, University Honors Program, Air Force ROTC Program, and Army ROTC Program; administers undergraduate student academic appeal processes and waiver policies; acts on recommendations from the Undergraduate Council, the Academic Regulations Committee, the Council on Academic Advising, and the Faculty Committee on Student Admissions; and develops articulation agreements with the community colleges and the area high schools.

## Air Force ROTC

The Air Force Reserve Officers Training Corps (AFROTC) curriculum includes 12-16 course hours of instruction by active duty Air Force officers over a two- to four-year period. A student who completes the AFROTC program will receive an Air Force commission as a second lieutenant and is guaranteed a position in the active duty Air Force at a starting salary of approximately \$28,000 per year.

AFROTC is offered as either a two- or four-year program. The four-year program normally requires a student to successfully complete all degree requirements for award of a bachelor's degree, 16 course hours of AFROTC classes, a mathematical reasoning course, and a four-week field training encampment between his/her sophomore and junior years. The two-year program give students who do not enroll in AFROTC during their freshman and sophomore years the opportunity of taking AFROTC. Students should apply for the two-year program by December of the sophomore year. The student attends a six-week field training encampment in the summer prior to program entry. Upon entering the program, the students then complete all undergraduate degree requirements, a mathematics reasoning course (if not already completed), and 12 credit hours of AFROTC courses.

ROTC students take a 1.5 hour non-credit leadership laboratory in addition to the academic classes. Students wear the Air Force uniform during these periods and are taught customs and courtesies of the Air Force. Leadership Laboratory is open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

AFROTC 4, 3, and 2-year scholarships are available for eligible applicants. These scholarships pay all tuition, fees, books, and a \$150 per month tax-free stipend. In addition to the program requirements, scholarship recipients must also complete an English composition course. Non-scholarship students in the final two years of the program are eligible for the Professional Officer Course Incentive (POCI) and the monthly \$150 tax-free stipend. Qualified POCI students receive up to

\$2,000 a year which covers tuition, fees, and books. Those interested in more information about scholarship criteria should contact the AFROTC Department.

Students interested in enrolling in the four-year or two-year programs can begin registration procedures through the ROTC office in HMS 111 or by registering for the appropriate "AFR" course through university registration. Veterans, active duty personnel, and graduate students are encouraged to inquire about special accelerated programs designed for them. The AFROTC phone number is (813) 974-3367.

## Aerospace Studies Faculty

*Professor:* Lt Col Jan T. Kinner; *Assistant Professors:* Capt Michael H. DeMouly, Maj Jeffrey C. Randall, Maj James E. Tusing.

## Aerospace Studies Courses

### AFR 1101 THE AIR FORCE TODAY: ORGANIZATION AND DOCTRINE (1)

Introduction to the Air Force in the contemporary world through a study of its total force structure and mission.

### AFR 1120 THE AIR FORCE TODAY: STRUCTURE AND ROLES (1)

A study of the strategic offensive and defensive forces, general purpose forces, and aerospace support forces that make up the Air Force of today.

### AFR 2001 LEADERSHIP LABORATORY (0)

Leadership Laboratory is required for each of the Aerospace Studies courses. It meets one hour and 45 minutes per week. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies; drill and ceremonies; career opportunities in the Air Force; and the life and work of an Air Force junior officer. Students develop their leadership potential in a practical laboratory, which typically includes field trips to Air Force installations.

### AFR 2000 ENHANCED PHYSICAL FITNESS TRAINING (0)

Required of all students in AFR 2000-, 3000-, and 4000-level classes. It meets once per week for 1 and 1/2 hours. Concentrates on motivational physical fitness, healthy lifestyle and cadet esprit.

### AFR 2130 U.S. AIR POWER: ASCENSION TO PROMINENCE (1)

A study of air power from balloons and dirigibles through the jet age. Emphasis is on the employment of air power in WWI and WWII and how it affected the evolution of air power concepts and doctrine.

### AFR 2140 U.S. AIR POWER: KEY TO DETERRENCE (1)

A historical review of air power employment in military and nonmilitary operations in support of national objectives. Emphasis is on the period from post WWII to present.

### AFR 2150 FIELD TRAINING (0)

Field Training is offered during the summer months at selected Air Force bases throughout the United States. Students in the four-year program participate in four weeks of Field Training, usually between their sophomore and junior years. Students applying for entry into the two-year program must successfully complete six weeks of Field Training prior to enrollment in the Professional Officer Course (POC). The major areas of study in the Field Training program include junior officer training, aircraft and aircrew orientation, career orientation, survival training, base functions and Air Force environment, and physical training.

### AFR 3220 AIR FORCE LEADERSHIP AND MANAGEMENT-I (3)

An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer (officership). The basic managerial processes involving decision making, utilization of analytic aids in planning, organizing, and controlling in a

changing environment are emphasized as necessary professional concepts.

**AFR 3231 AIR FORCE LEADERSHIP AND MANAGEMENT- II (3)**

A continuation of the study of Air Force advancement and leadership. Concentration is on organizational and personal values, management of forces in change, organizational power, politics, and managerial strategy and tactics are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

**AFR 4201 NATIONAL SECURITY FORCES IN CONTEMPORARY AMERICAN SOCIETY I (3)**

A study of the Armed Forces as an integral element of society, with an emphasis on American civil-military relations and context in which U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military and the role of the professional military leader-manager in a democratic society.

**AFR 4211 NATIONAL SECURITY FORCES IN CONTEMPORARY AMERICAN SOCIETY II (3)**

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.

## Army ROTC (Reserve Officers' Training Corps)

The Department of Military Science for Army Reserve Officers Training Corps (ROTC) was established to select and prepare students to serve as officers in the Regular and Reserve components of the United States Army. The curriculum is designed to develop the students' leadership potential, as well as improve the students' planning, organizing, and managerial skills.

Army ROTC training is divided into two phases: The first two years constitute the Basic Course; the last two, the Advanced Course. The Department offers both a four- and a two-year program, each leading to a commission as a second lieutenant in the United States Army. The four-year program requires completion of the Basic Course, a six-week field training course, and the Advanced Course. The two-year course allows academic juniors to enter the Advanced Course and to be commissioned as a second lieutenant in two years. Students with prior active military service or previous training at military schools may exempt some or all of the Basic Course. Students with questions concerning the various options should contact the Professor of Military Science for more information. Army ROTC training is offered to both men and women students and provides free uniforms and textbooks. Enrollment is open to qualified students at all levels, including graduate students. Offerings are published each semester.

Scholarships are awarded on a competitive basis in engineering, nursing, physical science, business, social science and other fields. The scholarship pays for tuition, books, lab fees, and certain other academic expenses.

All Advanced Course and scholarship students receive \$150.00 per month for subsistence. This is in addition to the pay of approximately \$700.00 which the students receive while attending the six-week field training course at the Summer Advanced Camp.

Adventure training at the Airborne School, Air Assault School, and the Northern Warfare School is available to both Basic and Advanced Course students during semester breaks. Adventure training is also available during the academic year. Other training includes survival skills, hand to hand combat, rappelling, escape and evasion, orienteering, etc.

**Basic Course:** The Basic Course consists of four semesters of classroom instruction of one hour each week. Students

incur no military commitment by participating in the Basic Course. Any prior military service, Reserve or National Guard Basic training, or other ROTC training may qualify for full or partial completion of the Basic Course.

**Advanced Course:** The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Reserve, National Guard, or Active Army. The training consists of four semesters of classroom instruction of three hours each week, lab, field training exercises, and a six-week training phase at summer Advanced Camp.

The newly commissioned officer can be guaranteed Reserve or National Guard duty, or compete for an Active Duty commission. Prior to commissioning the student may request duty as a pilot in the Army Aviation field, or serve in the fields of medical, personnel, administration, law, management, law enforcement, engineering, combat arms, or select duty from a list of many more opportunities.

**Requirements for an AROTC Commission:** Students who desire to earn a commission as a second lieutenant in the United States Army must meet the following requirements; four semesters of the ROTC Advanced Course, successfully complete the Professional Military Education Courses (written communication skills, computer literacy, and military history), attend Advanced Camp, maintain and graduate with a minimum of a 2.0 GPA, pass the Army Physical Readiness Test and meet the height and weight, and other requirements of the United States Army.

### Military Science Faculty

*Professor:* LTC Gloria A. Atkinson; *Assistant Professors:* MAJ Paul McCoy, CPT James McFadden, MSG Kevin Bates, MSG Michael Jones.

### Military Science Courses

Students not attending on an Army Scholarship may take the 1000 and 2000 level courses with no obligation to the Army. Army Scholarships and Service obligation options are discussed in class.

**MIS 1000 ORGANIZATION OF THE ARMY AND ROTC (1)**

Introduction, purpose, and obligation of the Army and ROTC. Introduction to military customs and traditions; rank structure and the role of an Army officer.

**MIS 1400 FUNDAMENTALS OF LEADERSHIP DEVELOPMENT (1)**

Basic leadership techniques and principles, professional ethics, senior-subordinate relationships, leadership problems, basic counseling and management techniques.

**MIS 2601 MILITARY TRAINING MANAGEMENT AND INSTRUCTIONAL TECHNIQUES (1)**

Develops an understanding of the fundamental concepts involved with methods of instruction, training management and curriculum development in the military. Actual student preparation and presentation of instruction will be an integral part of the course.

**MIS 2610 LEADERSHIP ASSESSMENT (1)**

Course will include an introduction to interpersonal skills required for effective leadership and diagnostic leadership assessment exercises. Topics will also include immediate first aid and injury prevention.

**MIS 2601L LEADERSHIP LABORATORY (0)**

Consists of two blocks of instruction per week and directly supports classroom instruction. Centered around hands-on experience which develops the student's potential. Includes instruction on drill and ceremonies; custom and courtesies, tactics, weapons and other related subjects.

**MIS 3302 SMALL UNIT OPERATIONS (3)**

PR: Permission of Department. Provides training required by junior officer to direct and coordinate individuals and small units in the execution of offensive and defensive tactical missions. Also provides exposure to military weapons and communications systems found at this level.

**MIS 3404 LEADERSHIP FUNDAMENTALS - TACTICS AND CAMP PREPARATION (3)**

PR: Permission of Department. Improves cadet proficiency in those military subjects necessary to meet minimum



standards of technical competence and self-confidence required of a junior officer in the U.S. Army. Prepares cadets for participation at Advanced Camp. Major emphasis during course is placed on physical training and field training exercises.

**MIS 4410 ARMY AS A PROFESSION (2)**

PR: Permission of Department. Designed to prepare cadets for duty as commissioned officers. Instruction centers around proficiency/familiarization with the military justice system, military administration, the Officer Professional Management System, international laws of war, and principles of management/leadership.

**MIS 4421 SEMINAR IN MILITARY LEADERSHIP & MANAGEMENT (3)**

PR: Permission of Department. Provides a basic understanding of the professional soldier's responsibilities to the Army and the nation. Attempts to improve ethical decision-making skills through an examination of the need for ethical conduct, greater awareness and sensitivity to ethical issues, and the opportunity to apply these abilities in real world case study situations. Included are seminars to acquaint the new lieutenant with his/her relationship to NCOs, company grade officers, and senior officers.

**MIS 4930 ADVANCED DIRECTED STUDY AND RESEARCH (1-3)**

PR: CI and permission of Professor of Military Science. Intensive individual study in a particular aspect of military science that is not covered in regular course offerings. Request for enrollment must be made prior to registration in the form of a written proposal. May be repeated for credit.

### Evaluation and 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 many other special tests are administered by this office. Examples are the SAT, ACT, CPT, CLAST, GRE, MCAT, and LSAT.
2. Scanning and Scoring Services: Analysis and advisory services are offered to aid in construction and validation of tests used in classes. Survey design and data analysis are available for research purposes. Test scoring and analysis by machine are provided. This office also coordinates the student assessment of instruction process.
3. Credit-By-Examination: The College-Level Examination Program (CLEP) is administered through this office. Information on other programs such as the Advanced Placement Test (APT) is available.
4. College Level Academic Skills Test (CLAST): This office, in addition to administering the CLAST, implements many of the rules and policies of the College Level Academic Skills Program (CLASP).

### University Honors Program

Superior students may avail themselves of Honors opportunities at USF. University Honors Program-Four Year Track is designed for first-time-in-college students. University Honors Program-Two Year Track is designed for transfer or upper-level students. These exciting programs are grounded in the liberal arts tradition and intended for students regardless of major. The primary goals of University Honors are the development of critical thinking skills, an appreciation of the liberal arts tradition and the development of creative, independent thought.

Students in the Four Year Program take nine Honors courses that examine the nature of human knowledge, ethics, interdisciplinary approaches to the sciences, social sciences, arts and humanities, multiculturalism, and major works and major issues. A Senior Thesis is the culmination of the Honors experience. (Course descriptions appear later in the catalog.) Students also complete six semester hours of English, six semester hours of Mathematics, and four to eight hours of foreign language. Honors students may satisfy the English and Math

requirements through AP, IB, or CLEP. University Honors Program-Four Year Track students satisfy USF Liberal Arts and Exit Requirements by completing the core Honors courses and the English, Math and foreign language requirement. Enrolling in University Honors-Four Year Track does not increase academic work-load or the number of credits needed to graduate.

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

University Honors Program-Two Year Track students take four Honors courses that include: inquiry into major works and major issues, a Senior Thesis and an elective chosen from among Program offerings. Students also complete four to eight hours of a foreign language (on the college level) which may have been taken prior to enrollment at USF. Completion of the Honors core courses satisfies USF Exit Requirements. Enrolling in University Honors-Two Year Track does not increase academic work-load or the number of credits needed to graduate.

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

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

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

### Honors Program Faculty

*Director:* Stuart Silverman (Instructors for the Honors courses are recruited from among the University's outstanding teachers-scholars).

### Honors Program Courses

**IDH 2010 ACQUISITION OF KNOWLEDGE (3)**

PR: Admission into the Honors Program. An appreciation of the problems of how human understanding proceeds through operations such as perception, classification, and inference, among others, as well as the open philosophic questions behind these operations.

**IDH 3100 ARTS/HUMANITIES HONORS (3)**

PR: IDH 2010. An introduction to western arts and letters from the perspectives of three historical periods (classicism, romanticism, and modernism), the relationship of ideas to art, the similarities among the arts of a given period, and important differences between periods.

**IDH 3350 NATURAL SCIENCES HONORS (3)**

PR: IDH 2010. An exploration of current knowledge concerning fundamental principles in the Sciences, their potential for application and attendant ethical and philosophical questions.

**IDH 3400 SOCIAL AND BEHAVIORAL SCIENCES HONORS (3)**

PR: IDH 2010. Introduction to the concerns of the Social and Behavioral Sciences, methods of inquiry, discovery, and validation of knowledge. A survey of the way various disciplines examine the question of how society is organized.

**IDH 3600 SEMINAR IN APPLIED ETHICS (3)**

PR: IDH 2010. This course explores ethical issues related to selected topics such as Ethics of Technology, Ethics in Business, Bio-Medical Ethics, Personal Ethics Development.

**IDH 4000 HONORS PROGRAM SEMINAR:****MAJOR WORKS/MAJORS ISSUES**

(4)

PR: IDH 2010. This course explores major works and major issues in a variety of disciplines. Each section will be devoted to content in a different academic area.

**IDH 4200 GEOGRAPHICAL PERSPECTIVES HONORS**

(3)

PR: IDH 2010. An introduction to African, Latin American, Middle Eastern, or Asian perspectives focusing on social, political and economic, artistic, cultural and intellectual subject matter. The material will be presented within a geographical, chronological, and humanities background.

**IDH 4970 HONORS THESIS**

(3)

PR: Senior Honors Standing. The development and public presentation of a senior thesis under the direction of a mentor. Course is taken for 2 semesters.

**St. Petersburg Campus Honors Program**

The St. Petersburg Campus offers an interdisciplinary Campus Honors Program to superior students in all majors who have transferred to USF with or without an A.A. degree. The Campus Honors Committee and Director determine admission to the program. Applications should be submitted to the Director. Students will participate in two Honors Seminars and complete either an Honors Project or Honors Thesis. The fourteen (14) hours of Campus Honors Program courses satisfy the Liberal Arts Exit Requirements. Scholarships are available to those admitted to the program.

**St. Petersburg Campus Honors Program Courses****IDH 4000 HONORS PROGRAM SEMINAR:****MAJOR WORKS AND MAJORS ISSUES**

(4)

PR: IDH 2010. This course explores major works and major issues in a variety of disciplines. Each section will be devoted to content in a different academic area. Course is taken for two semesters.

**IDH 4970 HONORS THESIS**

(3)

PR: Senior Honors Standing. The development and public presentation of a senior thesis under the direction of a mentor. Course is taken for 2 semesters.

**International Student Exchange Program (ISEP)**

Undergraduate Studies maintains cooperating programs for the exchange of undergraduate students with various universities in England, France, Scotland, Australia, Israel, Sweden, Japan and Korea. These exchanges are provided through the International Student Exchange Program (ISEP). Because new schools are continuously added to the ISEP, an updated listing of exchange universities is available from the ISEP office.

**Off-Campus Term Program**

The Off-Campus Term (OCT) Program offers a program of experience-study in which students are encouraged to spend at least one semester engaged in individual educational pursuits away from the University campus. Students are offered a wide variety of opportunities for self-designed and self-implemented experience for academic credit. For example, students may become involved in social action projects, international travel or study, independent research-study, work, internship projects, or other personalized projects all off campus and all for academic credit anywhere in Florida, the U.S., or the world.

Academic credit is earned by students while engaged in off-campus activities through the OCT Program. The number of hours of credit varies according to student interest and proposed activities. Students may enroll in a variety of projects and pay fees for variable hours of credit from 1 to 15 in a term. Academic credit activities are designed around the basic off-campus experiences for the most part and projects resulting in academic credit are designed by the student and supervised

by OCT or other appropriate faculty. Credits may be earned which apply toward general education and elective requirements. Credit may be earned in the major field of study in some cases.

The OCT Program has a variety of course projects designed specifically for implementation using the community and its people as the learning resource. Examples of such offerings are one to four credit hour projects (each) in (1) community studies, (2) intercultural studies, (3) law and society, (4) contemporary health problems, (5) volunteers and society, (6) international relations, (7) and internship/volunteer work project. Participation in the OCT Program for a total of 9 hours during a Summer term or terms satisfies the summer enrollment for those affected by this requirement.

Students may participate in the OCT Program anytime beginning with the freshman year through the final semester prior to graduation. Good standing at the University and a 2.0 GPA is required for acceptance into the Program. The OCT Program operates throughout the entire year and students are urged to plan their off-campus experiences during the Fall and Spring semesters to avoid the traditional rush common to the Summer term. Early action is urged since quotas are placed on the number of participants accepted each term.

**Off-Campus Term Faculty**

Director: TBA

**Off-Campus Term Courses****IDS 4900 DIRECTED READINGS**

(1-4)

PR: OCT Program approval. Open to all students approved for OCT Program. Provides students with community related readings. May be repeated up to 8 credit hours.

**IDS 4910 DIRECTED RESEARCH**

(1-4)

PR: OCT Program approval. To provide students with community related research experience in areas of specific interest. May be repeated up to 8 credit hours.

**IDS 4942 OFF-CAMPUS TERM SOCIAL ACTION PROJECT**

(1-4)

PR: OCT Program approval. May be repeated up to 4 credit hours. (S/U only.)

**IDS 4943 OFF-CAMPUS TERM SPECIAL PROJECT**

(1-2)

PR: OCT Program approval. (S/U only.)

**IDS 4955 OFF-CAMPUS TERM INTERNATIONAL PROGRAM**

(1-2)

PR: OCT Program approval. (S/U only.)

**Courses Outside Undergraduate Colleges**

These courses are open to all students in the University.

**Architecture****ARC 4784 THE CITY - 6A -XMW**

(3)

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.

**Cooperative Education****IDS 3949 COOPERATIVE EDUCATION**

(0)

PR: 60 hours of academic credit, acceptance in Cooperative Education Program. (S/U only.)

**Medicine****BMS 4402 PRINCIPLES OF HUMAN PHARMACOLOGY -NS**

(3)

Pharmacodynamics (effects), pharmacokinetics (absorption, distribution, metabolism, excretion) and side effects/toxicity of drugs. Designed to provide a basic understanding of mechanism of drug action resulting from modifying biologic processes. Not available on S/U basis.



# GENERAL COURSE INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

**NOTE:** The State Department of Education is charged with the development and coordination of a common course designation and numbering system for community colleges and the State University System which will improve program planning, increase communication among community colleges and universities, and facilitate the transfer of students. As part of this effort, changes will be made system-wide in course prerequisites, course levels, etc. These changes are not reflected in this catalog and will be implemented during the academic year. Students should check with the academic advising office in their college or regional campus, the Center for Academic Advising for undeclared majors, or the Office of the Dean of Undergraduate Studies for current information.

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 a colon indicate concurrent lecture and laboratory courses taught as a unit:

**PHY 3040, 3041L GENERAL PHYSICS & LABORATORY (3:1)**

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)**

The abbreviation "var." also indicates variable credit:

**MAT 7912 DIRECTED RESEARCH (var.)**

The following abbreviations are utilized in various course descriptions:

PR	Prerequisite
CI	With the consent of the instructor
CC	With the consent of the chairperson of the department or program
CR	Corequisite
Lec.	Lecture
Lab.	Laboratory
Dem.	Demonstration
Pro.	Problem
Dis.	Discussion

## SPECIAL INFORMATION COURSE CODES

- 6A** Courses to satisfy Rule 6A-10.30 (Gordon Rule)  
**EC** Course fulfills part of the Liberal Arts General Education Requirement for English Composition  
**FA** Course fulfills part of the Liberal Arts General Education Requirement for Fine Arts  
**HP** Course fulfills part of the Liberal Arts General Education Requirement for Historical Perspectives  
**NS** Course fulfills part of the Liberal Arts General Education Requirement for Natural Sciences  
**AF** Course fulfills part of the Liberal Arts General Education Requirement for African, Latin American, Middle Eastern, or Asian Perspectives  
**QM** Course fulfills part of the Liberal Arts General Education Requirement for Qualitative Methods  
**SS** Course fulfills part of the Liberal Arts General Education Requirement for Social Sciences  
**XLW** Course fulfills part of the Liberal Arts Exit Requirement for Literature and Writing  
**XMW** Course fulfills part of the Liberal Arts Exit Requirement for Major Works and Major Issues

The University reserves the right to substitute, not offer, or add courses that are listed in this catalog.

**Alphabetical Listing of Departments and Programs**  
**Course descriptions are listed by college under the following department and program headings:**

Department/Program	College
Accounting	Business Administration
Administration/Supervision	Education
Adult Education	Education
Africana Studies	Arts and Sciences
Air Force ROTC	University-wide Courses
American Studies	Arts and Sciences
Ancient Studies (Religious Studies)	Arts and Sciences
Anthropology	Arts and Sciences
Arabic (Language)	Arts and Sciences
Army ROTC	University-wide Courses

Art	Fine Arts
Art Education	Education
Astronomy	Arts and Sciences
Bachelor of Independent Studies	Arts and Sciences
Basic and Interdisciplinary	
Engineering	Engineering
Biology	Arts and Sciences
Business and Office Education	Education
Chemistry	Arts and Sciences
Chemical Engineering	Engineering
Chinese (Language)	Arts and Sciences
Civil and Environmental	
Engineering	Engineering
Classics	Arts and Sciences
Common Body of Knowledge	Business Administration
Communication	Arts and Sciences
Communication Sciences and	
Disorders	Arts and Sciences
Computers in Education	Education
Computer Science and	
Engineering	Engineering
Computer Service Courses	Engineering
Cooperative Education	University-wide Courses
Criminology	Arts and Sciences
Dance	Fine Arts
Early Childhood Education	Education
Economics	Business Administration
Electrical Engineering	Engineering
Elementary Education	Education
English	Arts and Sciences
English Education	Education
Environmental Science & Policy	Arts and Sciences
Finance	Business Administration
Fine Arts Interdisciplinary	Fine Arts
Foreign Language Education	Education
French (Language)	Arts and Sciences
General Business Administration	Business Administration
General Foreign Languages	Arts and Sciences
Geography	Arts and Sciences
Geology	Arts and Sciences
Gerontology	Arts and Sciences
German (Language)	Arts and Sciences
Government & International Affairs	Arts and Sciences
Greek (Classics)	Arts and Sciences
Hebrew (Language)	Arts and Sciences
Higher Education	Education
History	Arts and Sciences
Honors Program	University-wide Courses
Humanities	Arts and Sciences
Human Services	Arts and Sciences
Industrial and Management	
Systems	Engineering
Industrial/Technical Education	Education
Information Systems & Decision	
Sciences	Business Administration
Interdisciplinary Studies	Arts and Sciences
International Studies	Arts and Sciences
Italian (Language)	Arts and Sciences
Japanese (Language)	Arts and Sciences
Language	Arts and Sciences
Latin (Classics)	Arts and Sciences
Liberal Studies	Arts and Sciences
Library & Information Science	Arts and Sciences
Linguistics	Arts and Sciences
Management	Business Administration
Marine Science	Arts and Sciences
Marketing	Business Administration
Mass Communications	Arts and Sciences
Mathematics	Arts and Sciences
Mathematics Education	Education
Measurement and Research	Education
Mechanical Engineering	Engineering
Medical Technology	Arts and Sciences

Military Science (Army ROTC)	University-wide Courses	International Studies	AFA, ASN, EUS, INR, LAS, WST
Music	Fine Arts	Political Science	CPO, INR, POS, POT, PUP, URP
Music Education	Education, Fine Arts	Public Administration	PAD
Nursing	Nursing	History	AFH, AMH, ASH, EUH, HIS, LAH, WST
Off-Campus Term	University-wide Courses	Humanities	HUM
Philosophy	Arts and Sciences	Interdisciplinary Sciences	ISC
Physical Education - Elective	Education	Interdisciplinary Social Sciences	ISS, STA
Physical Education - Professional	Education	Language	
Physics	Arts and Sciences	General Foreign Languages	ENS, FLE, FOL, FOW, LIN, TSL
Polish (Language)	Arts and Sciences	Arabic	ARA
Political Science	Arts and Sciences	Chinese	CHI
Portuguese (Language)	Arts and Sciences	French	FRE, FRW
Psychological and Social Foundations of Education	Education	German	GER, GET, GEW
Psychology	Arts and Sciences	Greek	GRK
Public Administration	Arts and Sciences	Hebrew	HBR
Public & Community Health Education	Public Health	Italian	ITA, ITW
Reading Education	Education	Japanese	JPN
Rehabilitation Counseling	Arts and Sciences	Polish	POL
Religious Studies	Arts and Sciences	Portuguese	POR
Russian (Language)	Arts and Sciences	Russian	RUS, RUT
Social Science Education	Education	Spanish	SPN, SPT, SPW
Social Sciences, Interdisciplinary	Arts and Sciences	Yoruba	YOR
Social Work	Arts and Sciences	Liberal Studies	IDS
Sociology	Arts and Sciences	Library & Information Science	LIS
Spanish (Language)	Arts and Sciences	Linguistics	ENS, LIN, TSL
Special Education	Education	Mass Communications	ADV, FIL, JOU, MMC, PGY, PUR, RTV, VIC
Theatre	Fine Arts	Marine Science	OCB, OCC, OCE, OCG, OCP
Women's Studies	Arts and Sciences	Mathematics	CGS, COP, MAA, MAC, MAD, MAE, MAP, MAS, MAT, MGF, MHF, MTG, STA
Yoruba (Language)	Arts and Sciences	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	SSE*
		Social Work	SOW
		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 (Graduate)	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
		Art Education	ARE, EDG
		Business and Office Education	BTE
		Computers in Education	EME

## Cross-Listing of Departments and Programs Alphabetically by College, Department/Program

College/Department/Program      Common Course Prefixes

### University-wide Courses

Aerospac Studies (Air Force ROTC)	AFR
Architecture	ARC
Cooperative Education	IDS
Honors Program	IDH
Military Science (Army ROTC)	MIS
Off-Campus Term	IDS
Public Health	HSC

### College of Arts and Sciences

Africana Studies	AFA, AFH, AFS, AMH, AML, AMS, ANT, CPO, HUM, INR, ISS, PHI, PHM, PUP, SPC
American Studies	AMS, PGY
Anthropology	ANT
Astronomy	AST
Bachelor of Independent Studies	HUM, IDS, ISC, ISS
Biology	BOT, BSC, ENY, MCB, PCB, ZOO
Chemistry	BCH, CHM, CHS
Classics	CLA, CLT
Greek	GRE, GRW
Latin	LAT, LNW
Communication	COM, ORI, SPC
Communication Sciences & Disorders	SPA
Criminology	CCJ, CJT
Economics	ECN, ECO, ECP, ECS, GEB, QMB
English	AML, CRW, ENC, ENG, ENL, LAE, LIN, LIT, REA, WST
Environmental Science & Policy	EVR
Geography	GEA, GEO, MET, URF
Geology	GLY, OCE, OCG
Gerontology	GEY, HUS
Government & International Affairs	



# 250 GENERAL COURSE INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

Content Specializations	ARE, FLE, MAE, SCE, SED, SSE	ART	Art
Elementary Education	ARE, EDE, EDG, EDS, HLP, LAE, MAE, RED, SCE, SSE	ASH	History
English Education	LAE	ASN	International Studies
Foreign Language Education	FLE	AST	Astronomy
Higher Education	EDH	BCH	Chemistry
Humanities Education	HUM	BMS	Medicine, Medical Sciences
Industrial/Technical Education	EIA, EIV, EVT	BOT	Biology
Measurement-Research	EDF	BSC	Biology
Music Education	MUE	BTE	Business & Office Education
Physical Education - Elective	HLP, PEL, PEM, PEN, PEQ, PET	BUL	General Business Administration
Physical Education - Professional	HLP, HSC, PEP, PEQ, PET	CAP	Computer Science & Engineering
Psychological & Social Foundations of Education	EDF, IDS, MHS, SDS, SLS, SPS	CBH	Psychology
Reading Education	RED	CCJ	Criminology
Science Education	SCE	CDA	Computer Science & Engineering
Social Science Education	SSE	CEG	Civil & Environmental Engineering
Special Education	EDG, EED, EEX, EGI, ELD, EMR, EPH	CEN	Computer Science & Engineering
<b>College of Engineering</b>		CES	Civil & Environmental Engineering
Basic and Interdisciplinary Engineering	EGN	CGN	Civil & Environmental Engineering
Chemical Engineering	ECH	CGS	Computer Service Courses, Mathematics, Mathematics Education
Civil and Environmental Engineering	CEG, CES, CGN, CWR, EMA, ENV, TTE	CHI	Chinese
Computer Science & Engineering	CAP, CDA, CEN, CIS, COP, COT, EEL, ESI, CGS, COP, ETG, ETI, EEL, ELR	CHM	Chemistry
Computer Service Courses		CHS	Chemistry
Electrical Engineering		CIS	Computer Science & Engineering
Industrial and Management Systems	EIN, ESI	CJT	Criminology
Mechanical Engineering	EAS, EML	CLA	Classics, Religious Studies
<b>College of Fine Arts</b>		CLP	Psychology
Art	ARH, ART, FIL, PGY	CLT	Classics
Dance	DAA, DAE, DAN	COM	Communication, Women's Studies
Fine Arts Interdisciplinary	IDS	COP	Computer Service Courses, Computer Science & Engineering, Mathematics
Music	MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVB, MVJ, MVK, MVP, MVS, MVV, MVW, MUE	COT	Computer Science & Engineering
Music Education		CPO	Africana Studies, Political Science
Theatre	THE, TPA, TPP	CRW	English
<b>College of Nursing</b>		CWR	Civil & Environmental Engineering
Nursing	HUN, NUR	DAA	Dance
		DAE	Dance
		DAN	Dance
		DEC	Distributive & Marketing Education
		DEP	Psychology
		EAS	Mechanical Engineering
		ECH	Mechanical Engineering
		ECO	Economics
		ECP	Economics
		ECS	Economics
		EDE	Elementary Education
		EDF	Psychological & Social Foundations, Measurement-Research
		EDG	Curriculum & Instruction, Education - General, Educational Leadership, Elementary Education, Theatre Education
		EDH	Higher Education
		EEC	Early Childhood Education
		EED	Special Education
		EEL	Computer Science & Engineering, Electrical Engineering
		EEX	Special Education
		EGI	Special Education
		EGM	Civil & Environmental Engineering
		EGN	Basic & Interdisciplinary Engineering
		EIA	Industrial & Technical Education
		EIN	Industrial & Management Systems Engineering
		EIV	Industrial & Technical Education
		ELD	Special Education
		ELR	Electrical Engineering
		EMA	Civil & Environmental Engineering
		EML	Mechanical Engineering
		EMR	Special Education
		ENC	English
		EME	Computers in Education
		ENG	English
		ENL	English
		ENS	Linguistics

## Cross-Listing Departments/Programs Alphabetically by Prefix

Course Prefix	Department/Programs
ACG	Accounting
ADE	Adult Education
ADV	Mass Communications
AFA	Africana Studies, International Studies, Women's Studies
AFH	Africana Studies, History
AFR	Aerospace Studies (Air Force ROTC)
AFS	Africana Studies
AMH	Africana Studies, History, Women's Studies
AML	Africana Studies, English
AMS	Africana Studies, American Studies, Women's Studies
ANT	Africana Studies, Anthropology, Women's Studies
APB	Biology
ARA	Arabic (Language)
ARC	Architecture
ARE	Art Education, Elementary Education
ARH	Art History

ENV	Civil Engineering and Mechanics	MET	Geography
ENY	Biology	MGF	Mathematics
EPH	Special Education	MHF	Mathematics
ESI	Industrial & Management Systems Engineering	MHS	Psychological & Social Foundations of Education
ETG	Computer Service Courses	MIS	Military Science (Army ROTC)
ETI	Computer Service Courses	MLS	Medical Technology
EUH	History	MMC	Mass Communications
EUS	International Studies Program	MTG	Mathematics
EVR	Environmental Science & Policy	MUC	Music
EVT	Industrial & Technical Education	MUE	Elementary Education, Music Education
EXP	Psychology	MUG	Music
FIL	Art, Mass Communications	MUH	Music
FIN	Finance	MUL	Music
FLE	Foreign Language Education, French (Language)	MUN	Music
FOL	General Foreign Languages	MUO	Music
FRE	French (Language)	MUS	Music
FRW	French (Language)	MUT	Music
GEA	Geography	MVB	Music
GEB	Common Body of Knowledge, General Business Administration	MVJ	Music
GEO	Geography	MVK	Music
GER	German (Language)	MVP	Music
GET	German (Language)	MVS	Music
GEW	German (Language)	MW	Music
GEY	Gerontology, Psychology	MWW	Music
GLY	Geology	NGR	Nursing
GMS	Medical Sciences, Medicine	NUR	Nursing
GRE	Greek (Classics), Religious Studies	OCB	Marine Science
GRK	Greek (Language)	OCC	Marine Science
GRW	Greek (Classics)	OCE	Geology, Marine Science
HBR	Hebrew (Language)	OCG	Geology, Marine Science
HEB	Religious Studies	OCP	Marine Science
HIS	History	ORI	Communication
HLP	Elementary Education, Physical Education - Elective	PAD	Public Administration
HSC	Public Health	PCB	Biology
HUM	Africana Studies, Bachelor of Independent Studies, Humanities	PEL	Physical Education - Elective
HUN	Nursing	PEM	Physical Education - Elective
HUS	Gerontology	PEN	Physical Education - Elective
IDH	Honors Program	PEP	Physical Education - Professional
IDS	Bachelor of Independent Studies, Cooperative Education, Fine Arts Interdisciplinary, Honors Program, Liberal Studies, Off-Campus Term	PEQ	Physical Education - Professional
INP	Psychology	PET	Physical Education - Elective, Physical Education - Professional
INR	Africana Studies, International Studies, Political Science	PGY	American Studies, Art, Mass Communications
ISC	Bachelor of Independent Studies	PHH	Philosophy
ISM	Information Systems & Decision Sciences	PHI	Africana Studies, Philosophy, Women's Studies
ISS	Africana Studies, Bachelor of Independent Studies, International Studies, Interdisciplinary Social Sciences	PHM	Africana Studies, Philosophy, Women's Studies
ITA	Italian (Language)	PHP	Philosophy
ITW	Italian (Language)	PHY	Physics
JOU	Mass Communications	PHZ	Physics
JPN	Japanese (Language)	POL	Polish (Language)
LAE	Elementary Education, English Education	POR	Portuguese (Language)
LAH	History	POS	Political Science, Women's Studies
LAS	International Studies	POT	Political Science
LAT	Latin (Classics)	PPE	Psychology
LIS	Library and Information Science	PSB	Psychology
LIT	English, Women's Studies	PSY	Psychology
LNW	Latin (Classics)	PUP	Africana Studies, Political Science, Women's Studies
MAA	Mathematics	PUR	Mass Communications
MAC	Mathematics	QMB	Information Systems & Decision Sciences
MAD	Mathematics	RCS	Rehabilitative Counseling
MAE	Elementary Education, Mathematics, Mathematics Education	REA	English
MAN	General Business Administration, Management	RED	Elementary Education, Reading Education
MAP	Mathematics	REE	Finance
MAR	Marketing	REL	Religious Studies, Women's Studies
MAS	Mathematics	RMI	Finance
MAT	Mathematics	RTV	Mass Communications
MCB	Biology	RUS	Russian (Language)
		RUT	Russian (Language)
		SCE	Elementary Education, Science Education
		SDS	Psychological & Social Foundations of Education
		SLS	Psychological & Social Foundations of Education
		SOP	Psychology, Women's Studies
		SOW	Social Work
		SPA	Communication Sciences & Disorders



## 252 GENERAL COURSE INFORMATION

UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

SPC	Africana Studies, Communication
SPN	Spanish (Language)
SPS	Psychological & Social Foundations
SPT	Spanish (Language), Women's Studies
SPW	Spanish (Language)
SSE	Elementary Education, Social Science Education
STA	Mathematics, Interdisciplinary Social Sciences
SUR	Civil & Environmental Engineering
SYA	Sociology
SYD	Sociology, Women's Studies
SYG	Sociology
SYO	Sociology
SYP	Sociology
TAX	Accounting
THE	Theatre
TPA	Theatre
TPP	Theatre
TSL	Linguistics
TTE	Civil & Environmental Engineering
URP	Geography, Political Science
VIC	Mass Communications
WST	History, International Studies, Women's Studies
YOR	Yoruba (Language)
ZOO	Biology

### COURSE LEVEL DEFINITION

Lower Level	0000-1999 Freshman Level
	2000-2999 Sophomore Level
Upper Level	3000-3999 Junior Level
	4000-4999 Senior Level
Graduate Level	5000-5999 Senior/Graduate Level
	6000-Up Graduate Level

### FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This common numbering system is used by all public postsecondary institutions in Florida and by two participating private institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

Each participating institution controls the title, credit, and content of its own courses and assigns the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have meaning in the SCNS. The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy. Descriptions of the content of courses are referred to as "course equivalency profiles."

**General Rule for Course Equivalencies:** Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between the participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 31 different postsecondary institutions. Each institution uses "SYG 010" to identify its social problems course. The level code is the first digit and represents the year in which students normally take this course at a specific institution. In the SCNS taxonomy, "SYG" means "Sociology, General," the century digit "0" represents "Entry-Level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In science and other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is offered by the receiving institution and is identified by the same prefix and last three digits at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed which have not been designated as equivalent.

Sometimes, as in Chemistry, a sequence of one or more courses must be completed at the same institution in order for the courses to be transferable to another institution, even if the course prefix and numbers are the same. This information is contained in the individual SCNS course equivalency profiles for each course in the sequence.

**Course Prefix:** The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

**Authority for Acceptance of Equivalent Courses:** State Board of Education Rule 6A-10.024(17), Florida Administrative Code, reads:

When a student transfers among institutions that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be equivalent to courses offered at the receiving institution and are entered in the course numbering system. Credit so awarded can be used by transfer students to satisfy requirements in these institutions on the same basis as native students.

**Exceptions to the General Rule for Equivalency:** The following courses are exceptions to the general rule for course equivalencies and may not be transferable. Transferability is at the discretion of the receiving institution:

- Courses in the \_900- \_999 series (e.g., ART 2905)
- Internships, practica, clinical experiences, and study abroad courses
- Performance or studio courses in Art, Dance, Theater, and Music
- Skills courses in Criminal Justice
- Graduate courses

College preparatory and vocational preparatory courses may not be used to meet degree requirements and are not transferable.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to Office of the Dean, Undergraduate Studies, USF, SVC 2002, 4202 East Fowler Avenue, Tampa, FL 33620-6920, or the Florida Department of Education, Office of Postsecondary Education Coordination, 1101 Florida Education Center, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (904) 488-6402 or Suncom 278-6402.

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UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG

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Associate Dean for Student Affairs	RANDOLPH MANNING
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Anesthesiology	JOHN B. DOWNS
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Family Medicine	H. JAMES BROWNLEE
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Medical Microbiology and Immunology	HERMAN FRIEDMAN
Neurology	LEON D. PROCKOP
Obstetrics and Gynecology	WILLIAM N. SPELLACY
Ophthalmology	J. JAMES ROWSEY
Pathology	SANTO V. NICOSIA
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Pharmacology and Therapeutics	LYNN WECKER
Physiology	BRUCE G. LINDSEY
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Associate Dean, Graduate Studies (Interim)	LINDA E. MOODY
Associate Dean, Student Affairs (Interim)	PATRICIA A. BURNS
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Florida Institute of Oceanography	JOHN C. OGDEN
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*Program Directors:*

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Fine Arts Events	CARL MUSSON
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Director, Patents & Licensing KENNETH G. PRESTON

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Programs (Acting) PRISCILLA POPE

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Associate Vice President for Enrollment

Planning & Management BRUCE A. BURSACK

Assistant Vice President for Academic

Support & Achievement THELMA D. BENTON

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Interim Assistant Vice President

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Director, Admissions MARK RUBINSTEIN

Director, Adult & Transfer Student

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Director, Career Resource

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Director, Financial Aids LEONARD GUDE

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Director, International Student Center DAVID AUSTELL

Director, Judicial Services JOHN HOLLOWAY

Director, Marshall Center LUIS VISOT

Director, McNair Scholars Program JOAN HOLMES

Director, New Student Orientation CINDY S. VISOT

Director, Project Thrust/PEP MACK DAVIS

Director, Student Academic

Support Services JANEREED

Director, Student Health Services MARIA ANDERSON

Director, Student Publications JAY LAWRENCE

Director, Student Support Services REBA GARTH

Coordinator, Student Disability

Services ROBERTA ARMSTRONG

Coordinator, Veteran Affairs MEREDITH NICKLES

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Campaign Coordinator	<b>KASEY SHIMBERG</b>
Community Advancement/ African American Community	<b>PATRICIA SCOTT</b>

Community Advancement/ Latin American Community	<b>DONNA PARRINO</b>
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Regional Director of Development	<b>STEVE BRAGIN</b>
Research	<b>DAVID STERLING</b>
University Relations	<b>JENNIFER O'FLANNERY</b>



# FACULTY

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All members of the University of South Florida faculty are listed below in alphabetical order. The listing includes name, current rank and field, first year of continuous appointment to any position in the institution, degrees, and institution and year of terminal degree. (A semicolon between degrees indicates different institutions.) [\*Charter faculty]

AANGEENBURG, ROBERT, Chairperson-Professor (Geography), 1989  
B.S.; M.S., Ph.D., University of Wisconsin, 1965

ABBOTT, DARCY A., Associate in Research (Community & Family Health), 1993  
B.S.; M.S.W., Mary Wood College, 1984

ABEL, NAOMI A., Assistant Professor (Surgery), 1994  
B.S.; M.D., Medical College of Georgia, 1987

ACKERMANN, JOHN R., Professor (Surgery), 1983  
M.B., C.H.B., M.D., University of Cape Town, South Africa, 1965

ADAIR, W. LEE, JR., Professor (Biochemistry), 1975  
Sc.B.; Ph.D., Georgetown University, 1972

ADEIGBOLA, MARIA R., Assistant Professor (Childhood Education), 1992  
B.A.; M.A., Ph.D., University of South Florida, 1995

AGRAWAL, DEEPAK K., Assistant Professor (Medical Microbiology), 1995  
B.S.; Ph.D., Purdue University, 1987

AHERN, VINCENT, Visiting Coordinator (University Galleries), 1995  
B.S.; B.A., M.F.A., University of South Florida, 1982

AL-ARIAN, SAMI A., Associate Professor (Computer Science & Engineering), 1986  
B.S.; M.S., Ph.D., North Carolina State University, 1985

ALBERTS, W. MICHAEL, Professor (Internal Medicine), 1983  
B.A.; M.D., University of Illinois, 1977

ALBRECHT, TERRANCE L., Professor (Community & Family Health), 1991  
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B.A.; M.A., *University of South Florida*, 1968
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B.S.E.E., M.S.E.E., Sc.D., *Columbia University*, 1954, P.E.
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B.Sc., M.Sc., Ph.D., University of Alberta, 1974
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B.S., Oregon State University, 1985
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B.S., B.S., M.A., Ph.D., *University Of Missouri-Columbus*, 1996
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Ph.D., *University Of Pittsburgh*, 1994
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B.A.; M.A.; Ph.D., *Howard University*, 1983
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B.A., *University of South Florida*, 1983
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B.S.; M.B.A.; Ph.D., *Ohio State University*, 1983
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B.A.; M.M., *University of Oregon*, 1963
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B.S.E.; M.S.E.; Ph.D., *University of Florida*, 1988, P.E.
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B.S.; M.S.; M.A., Ed.D., *Vanderbilt University*, 1975
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B.Sc., M.D., *Albany Medical College*, 1971
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M.D., Darbhanga Medical College, India, 1963
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B.A., M.S., Ph.D., Florida State University, 1979
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B.A., Alberta College Of Art, 1958
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B.S., M.D., University Of Puerto Rico, 1982
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B.S., Ph.D., University of Maryland, 1968
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Ph.D., Case Institute of Technology, 1972, P.E.
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B.S., M.S., Ph.D., University Of Texas, 1990
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Ph.D., University of California at Berkeley, 1963
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B.S., M.Ed., North Carolina State University, 1982
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B.S., M.S., Ph.D., Australian National University, 1981
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B.A., M.A., University of Missouri, 1994
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B.A., University of Puerto Rico, 1979
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A.B., M.S., Ph.D., State University of New York, 1988
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B.S., M.S., M.D., University of Michigan, 1985
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B.S., B.S., M.B.A., Ph.D., University of South Carolina, 1988
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B.A., M.D., Duke University, 1965
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B.E., M.Eng., Ph.D., Pennsylvania State University, 1985
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B.S., Ph.D., University of Wisconsin, Madison, 1986
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M.D., Autonomous University of Santo Domingo, 1983
- SAPORTA, SAMUEL, Associate Professor (Anatomy), 1977  
B.A., Ph.D., University of Southern California, 1973
- SARKAR, SUDEEP, Assistant Professor (Computer Science and Engineering), 1993  
B.T., M.S., Ph.D., Ohio State University, 1993
- SARNOWSKI, ALFRED A., Research Assistant Professor (Pediatrics), 1994  
B.A., M.Ed., Ph.D., State University of New York, 1975
- SATTERFIELD, RONALD K., Instructor (Information Systems & Decision Sciences), 1993  
B.S., M.B.A., Eastern Illinois University, 1981
- SAUNDERS, MARY J., Program Director (Institute for Biomolecular Science) and Associate Professor (Biology), 1986  
B.A., M.S., Ph.D., University of Massachusetts, 1982
- SAUNDERS, TERESA I., Assistant In (Community Mental Health), 1993  
B.A., M.S., University of Central Florida, 1993
- SAVIELLO, GEORGE M., Associate Professor (Anesthesiology) 1988  
B.S., M.D., Northwestern University, 1967
- SAVTCHEV, ALEXANDRE, Postdoctoral Fellow (Center for Micro Electronics), 1994  
Ph.D., Institute of Semiconductor Physics, 1983
- SAXON, SUE V., Professor (Gerontology), 1963  
B.S., M.S., Ph.D., Florida State University, 1963
- SCAGLIONE, JANET, Assistant Professor (Adult & Vocational Education), 1987  
B.A., M.A., Ph.D., University of South Florida, 1990
- SCHATZ, DAVID R., Associate Professor (Humanities), New College, 1975  
B.A., M.A., Ph.D., University of Michigan, 1982
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B.A., M.A., Ph.D., Pennsylvania State University, 1971
- SCHUEERLE, JANE F., Professor (Communication Sciences and Disorders), 1971  
B.S., B.A., M.S., M.A., Ed.D., Nova University, 1975
- SCHUEERLE, WILLIAM H., Professor (English), 1964  
B.A., M.A., Ph.D., Syracuse University, 1964
- SCHILIT, WARREN K., Professor (Management), 1985  
B.A., M.B.A., Ph.D., University of Maryland, 1982
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B.S., M.S., M.D., New York University, 1953
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B.S., D.O., Philadelphia College of Osteopathic Medicine, 1977
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A.B., Ph.L., M.A., S.T.L., Ph.D., University of Michigan, 1965
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B.S., M.S., Ph.D., University of Wisconsin, 1989
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B.A., M.D., Duke University, 1974
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B.A., M.A., Ph.D., University of South Florida, 1981
- SCHONFELD, MARTIN R., Assistant Professor (Philosophy), 1995  
B.A., B.A., M.A., Ph.D., Indiana University at Bloomington, 1995
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B.S., M.D., University of South Florida, 1984
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B.A., Marquette University, 1977
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B.S., M.S., St. John's University, 1965
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B.A., M.D., Ohio State University, 1987
- SCHURR, SANDRA, Associate Professor (Secondary Education), 1988  
B.A., M.A., Ph.D., Nova University, 1985
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B.S., M.S., Ph.D., University of Illinois, 1984
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B.A., M.D., University of Michigan Medical School, 1973
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- SCOTT, JAMES U., Assistant Professor (Pediatrics), 1994  
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- SCOURTES, CHRISTINE C., Counselor/Advisor and Instructor (Educational Leadership and Higher Education), 1973  
B.A., M.A., University of South Florida, 1973
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B.S., M.S., Ph.D., Purdue University, 1971
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B.S., M.D., State University of New York Downstate Medical Center, 1979
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M.S.; Ph.D., Kent State University, 1980
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B.S.; Ph.D., University of Massachusetts at Boston, 1990
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B.A., M.Ed.; Ph.D., University of Florida, 1979
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B.A.; M.S., Ph.D., University of Maryland, 1986
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M.F.A., *University of Utah*, 1993
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B.S., Ph.D., *University of Bristol, U.K.*, 1985
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B.S., M.Ed., Ed.D., *University of Florida*, 1968
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B.A., M.S., M.D., *University of Louisville*, 1981
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B.A., M.A., Ph.D., University of South Florida, 1981
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B.A., B.Phil., University of Oxford, 1960
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B.S.; M.S.; Ph.D., Oregon State University, 1956
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