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
- PHI 2100 Introduction to Formal Logic
- PHI 4300 Theory of Knowledge
- PHI 5225 Philosophy of Language
- PHI 4320 Philosophy of Mind

Students must take either PHI 4440 19th Century Continental Philosophy or 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
   or PHH 3062 History of Philosophy: Ancient and Medieval
   or PHH 3420 History of Philosophy: Modern
   with a grade point average of 3.6.

2. Students must have an overall grade point average of 3.0, and their grade point average in Philosophy must be at least 3.5.

3. Students must be nominated for admission into the Philosophy program by a faculty member in Philosophy, and a majority of the faculty who have taught the student must approve the student's admission into the program.

Program Requirements:

Students must complete the requirements for the Philosophy major in accordance with the following provisions:

1. Students must take either PHH 4440 19th Century Continental Philosophy or PHH 4600 Contemporary Philosophy

2. Students must take one course from each of the following groups:
   
   **Group 1**
   - PHI 3404 Scientific Method
   - PHI 4320 Philosophy of Mind
   - PHI 4300 Theory of Knowledge
   - PHI 5225 Philosophy of Language
   - or PHP 4784 Analytical Philosophy

   **Group 2**
   - PHI 4600 Contemporary Ethical Theory
   - PHI 3601 Contemporary Moral Issues
   - PHI 3700 Philosophy of Religion
   - PHI 4800 Aesthetics
   - PHM 3021 Philosophies of Love and Sex
   - PHM 3400 Introduction to Philosophy of Law

   **Group 3**
   - PHM 3100 Social Philosophy
   - PHM 4322 Ancient and Medieval Political Philosophy

- PHM 4331 Modern Political Philosophy
- PHM 4340 Contemporary Political Philosophy
- PHP 4788 Philosophy of Marxism

Group 4
- PHH 4700 American Philosophy
- PHP 3786 Existentialism
- PHP 4000 Plato
- PHP 4010 Aristotle
- PHP 4410 Kant
- PHP 4740 The Rationalists
- PHP 4745 Empiricists

3. Students must take an Honors Seminar in their senior year.

4. Students must write a senior thesis and undergo an oral examination on the thesis before a committee of two faculty members, with the Chair as an ex officio member of every such committee.

5. Students cannot receive a grade lower than a "B" in any Philosophy course, and their grade point average in Philosophy must be at least a 3.5 to remain, or be graduated from the Philosophy Honors program.

6. Students must complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.

PHYSICS (PHY/PHS)
The Department of Physics offers undergraduate programs leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree. The B.A. program is designed for students interested in a more general education in physics. The curriculum allows enough flexibility in electives to enable students to combine a physics major with another major in such areas as mathematics, biology, chemistry, computer science, engineering, business, and teacher education. The B.S. program is for students planning to pursue graduate studies in physics, applied science or engineering. For those students who desire additional capabilities in physics beyond the General Physics sequence, they may pursue a Minor in Physics.

At the graduate level, the Department of Physics offers three Master's degree programs (Master of Science in Physics, Master of Science in Applied Physics and Dual-Master Degrees in Physics and Engineering Science) and a Ph.D. degree program in Applied Physics.

Requirements for the Majors in Physics

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

- CHM 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E
- CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E

Students must complete the prerequisite courses listed below prior to enrolling in upper-division courses as a major. Unless stated otherwise, a grade of "C" is the minimum
Coursework for Majors in Physics

1. Physics Courses
   - B.A. PHYSICS (PHY) (34 cr. hrs.)
     - PHY 2048 (3) PHY 3221 (3) PHY 4324C (4)
     - PHY 2048L (1) PHY 3323C (4) PHY 4823L (2)
     - PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)
     - PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)

2. Free Electives
   - (6)

3. B.S. PHYSICS (44 cr. hrs.)
   - PHY 2048 (3) PHY 3323C (4) PHY 4604 (3)
   - PHY 2048L (1) PHY 3424 (4) PHY 4823L (2)
   - PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)
   - PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)
   - PHY 3101 (3) PHY 4324C (4) PHZ 5405 (3)
   - PHY 3221 (3) PHY 4523 (3)

Requirements for the Minor in Physics

1. Liberal Arts Requirements
   - General Education Requirements (36 cr. hrs.);
   - Exit Requirements (9 cr. hrs.)

2. Mathematics Requirement (21 semester hours)...

3. Psychology electives
   - B.A. and B.S. PHYSICS (20 cr. hrs.)
   - CHM 2041 (3)
   - MAC 2281 (3), MAC 2282 (3), and MAC 2283 (3) may be substituted for the sequence indicated.

Requirements for the Major in Psychology

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

- PSY X012 Introduction to Psychology and any other lower level Psychology course within the Psychology inventory.
- STA XXXX Any level Statistics course (X000 - X099)
- BIO XXXX Any level General Biology course (or BSC X200-X209, or ZOO X010)

Majors must complete at least 34 semester hours in the field. A minimum grade of "C" or better must be attained in each course in the major. All majors must complete:

Other Course Requirements for Psychology Majors

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

2. Methods Course Requirement (7 semester hours)
   - PSY 3213 Research Methods
   - and one of the following:
     - CLP 4433 Tests and Measures
     - PSY 4205 Experimental Design and Analysis
     - or another methods course approved by the undergraduate advisor in Psychology.

3. 3000 Level Requirement (21 semester hours)

   Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:

   Group I
   - EXP 4204C Perception
   - EXP 4404 Psychology of Learning
   - PSB 4013C Physiological Psychology
   - EXP 4304 Motivation
   - EXP 4523C Cognitive Psychology

   Group II
   - CLP 4143Abnormal Psychology
   - INP 4004 Industrial Psychology
   - SOP 4004 Social Psychology
   - DEP 4005 Developmental Psychology
   - PPE 4004 Personality

   and any 3 additional courses numbered at the 4000 level.

   Note: No more than a total of 3 hours of the following courses may count toward the major:
   - PSY 4913 Directed Study
   - PSY 4970 Honors Thesis
   - PSY 4932 may not count toward the major.

   Statistics and Biological Science are required.
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, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213 requirement.

For students majoring in Interdisciplinary Social Sciences, any college-level statistics course with a grade of "C" or better may serve as prerequisite for 4000 level courses in Psychology but does not substitute for the PSY 3213 requirement.

Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, PSY 3044, and any three 4000-level psychology courses except PSY 4913. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

Concentration in Applied Behavior Analysis

Undergraduate majors working toward the B.A. in psychology may complete a structured sequence of coursework and practicum in Applied Behavior Analysis. Students are admitted to the program in the junior or senior year, after completing EXP 4404 and CLP 4414 with a grade of B or better. Admission requirements further include a minimum overall USF GPA of 3.0 or better; GPA of 3.2 for Psychology coursework, completion of at least 75 hours, and two letters of recommendation. Admissions are typically made in the fall of each academic year. Successful completion of the concentration prepares students for employment opportunities in a variety of settings, for advanced study in Applied Behavior Analysis, and eligibility for completion of the Florida Certification Examination for Associate Behavior Analysis. Detailed information regarding the program and the admission process may be obtained from the undergraduate advisor or the program secretary.

PSYCHOLOGY HONORS PROGRAM

The purpose of the Honors Program is to provide a select group of undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the second semester of the student's junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student's overall academic record, performance in psychology courses, and a letter of recommendation from a member of the Psychology Department faculty. Successful completion of the program requires a GPA of 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 90 semester hours in Psychology including PSY 4932 (6) and PSY 4970 (6). See the Psychology Department Undergraduate Advisor for details of the program and an application form.

• REHABILITATION AND MENTAL HEALTH COUNSELING (REF)

A five-year master's program is available to undergraduates where an M.A. degree in Rehabilitation and Mental Health Counseling and a bachelor's degree in another major (if desired) can be earned in a total program of 150 semester hours. Students admitted through the five-year program (REF) must have completed 90 semester hours of work, including required courses in the undergraduate major, and have satisfied General Distribution, CLAST, and Rule 6A-10.30 (Gordon Rule) requirements. Minimum admission requirements include a total Verbal-Quantitative score of at least 1000 on the GRE or a "B" average over the last 60 semester hours. All applicants must take the GRE whether or not they have a 3.0 grade-point average. A detailed description of the M.A. program in Rehabilitation and Mental Health Counseling may be found in the Graduate Catalog and on the internet at http://www.cas.usf.edu/rehab_counseling/index.html. 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 and Mental Health Counseling is to help individuals with physical, mental, and psychiatric disabilities return to full, rewarding, and productive lives. Rehabilitation Counselors work in a wide variety of settings, including public and private rehabilitation programs and facilities, mental health treatment settings, and substance abuse treatment settings. Some establish their own private rehabilitation or mental health counseling practices.

Rehabilitation and Mental Health Counseling have roots in both the national rehabilitation movement and professional counseling movement. Training, which includes experiential learning, emphasizes psychological, social, medical, and vocational aspects of disability; and also the development and refinement of personal adjustment and mental health counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation and Mental Health Counseling are prepared for careers as both rehabilitation and mental health counselors. A special elective concentration in substance abuse is offered, and other study concentrations can be arranged on an individual basis.

The graduate program in Rehabilitation and Mental Health Counseling is fully accredited by the Council on Rehabilitation Education (CORE), the national accrediting body for rehabilitation counselor training programs. Upon completion of the program, graduates are eligible to sit for the national certification examination of the Commission on Rehabilitation Counselor Certification. After passing this examination, the graduate is registered with the Commission as a Certified Rehabilitation Counselor (CRC). Within the 60 hour M.A. program, graduates are also able to meet Florida's educational standards for licensure as a Clinical Mental Health Counselor.

• RELIGIOUS STUDIES (REL)

In Religious Studies, students are exposed to a cross-cultural and multi-disciplinary study of the way in which both individuals and civilizations are deeply influenced by human religious experience. The goal is to enable the educated person to understand better the various ways in which religious values and institutions shape human behavior through a comparative study of religions and cultures. Such an education is invaluable for careers as diverse as journalism, law, medicine, business, as well as careers more directly related to the practice of religion. Majors in Religious Studies will also find courses designed to give them the methodological, theoretical and linguistic skills needed to go on to advanced graduate study in the field.

Requirements for the Major in Religious Studies

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education
Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Upper-level Requirements and Coursework for the Religious Studies Major

Students must choose a total of 36 credit hours from Religious Studies courses. Transfer students may not apply more than 12 hours taken elsewhere toward the major at the University of South Florida. Only letter grades will be counted toward the minimum of 24 credit hours taken at the University of South Florida for transfer students or 36 (for non-transfer students) credit hours necessary to complete the 36 credit hours required for the major. Students taking Religious Studies as a second major need to complete only 30 credit hours. To do so they must make a written request to the Undergraduate Director at the time they declare their major.

All majors must take:

a. REL 3003 Introduction to Religion (3)
b. REL 4949 Development of Religious Studies (3)
c. REL 4931 Seminar in Religion (3)
d. An additional 27 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

All transfer students must take a minimum of 24 hours in Religious Studies courses at the University of South Florida. It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the major at the University of South Florida. This will be decided as soon as the student becomes a major in the Department of Religious Studies at the University of South Florida.

The department's course offerings are sufficiently varied that a student should expect to enroll in its scheduled classes. No more than three directed studies courses may be applied toward the major. Any student who wishes to take any type of directed study, including REL 3900, must have the (written) approval of his/her instructor.

Requirements for the Minor in Religious Studies

Students choose a total of 18 credit hours from Religious Studies courses. Transfer students may not apply more than 6 credit hours taken elsewhere toward the minor at USF. Only letter grades will be counted for transfer. Requests for transfer of credit must be made to the Undergraduate Director in writing when declaring a minor.

All minors must take:

a. REL 3003 Introduction to Religion (3)
b. REL 4949 Development of Religious Studies (3)
c. REL 4931 Seminar in Religion (3)
d. An additional 9 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the minor at USF. This will be decided as soon as the student declares a minor in the Department of Religious Studies at USF.

SOCIAL WORK (SOK)
The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

The secondary objectives of the B.S.W. program are to
1. Provide for the social work human resources needs of the university service district (the central Florida west coast area), the State of Florida, and the Southeast Region;
2. Prepare graduates for additional professional training at the graduate level in social work or in related human service professions;
3. Provide an exposure to social work as a profession and to contemporary issues in the social welfare field.

In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of various methods of intervention and skills in their application to a variety of client systems. For example, intervention methods may take the form of individual and group counseling, relationship development, research, teaching, counseling, advocacy, etc. Client systems may be individuals, families, groups, organizations, or communities. The student will develop an understanding of the dynamics of human behavior in individual, group and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and their economic, political, and social objectives of the Department of Religious Studies, even if the student plans to complete the program or who clearly does not exhibit responsible professional behavior, may be subject to dismissal from the program. A social work major receiving a grade of less than "C" in a core course will be required to repeat the course. Furthermore, no student will be allowed to enter field placement with a "D" grade in any SOW core courses, even if the student's GPA is 2.75 or above with the inclusion of the "D" grade.

Admission to the B.S.W. program is a three-stage process, i.e., common prerequisites, provisional courses, and core curriculum. Any student who holds a minimum of Sophomore standing and has completed common prerequisite work in political science, biology, economics, psychology and
sociology (see specific requirements below) may declare a pre-social work major. At this stage, students may file a declaration of major form with the College of Arts and Sciences, Records and Advising Office. All majors will be assigned to an advisor within the School who will assist the student in selecting courses. Many students will have already taken most of the common prerequisite courses as part of general distribution at USF or in their course of study at a community college. After completion, a student will be ready for provisional courses in the pre-social work major, a final step in applying for full admission to the B.S.W. program as a full major. It is necessary to be admitted as a full major before taking core social work courses.

Admission requirements for the social work full major are as follows:

1. A student must have completed a minimum of one semester as a pre-social work major.
2. A student must have completed required common prerequisites and provisional courses (see listing).
3. A student must complete an application for full admission and file it with the School of Social Work before the beginning of the semester in which admission is sought; dates will be announced in provisional courses.
4. A student must be ready to complete an admission interview with a favorable action from the Undergraduate Committee.
5. A student must achieve a grade of "B" or better in SOW 3302, "Introduction to Social Work," and SOW 3203, "The American Social Welfare System," to be considered for full admission.
6. A student must have successfully completed CLAST. CLAST may be repeated.
7. A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

Requirements for the Major in Social Work

Prerequisites (State Mandated Common Prerequisites)

Social Work is a limited access program. Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

If possible, students enrolled in community colleges should take their college equivalents of common prerequisite courses (P) and cross-cultural provisional courses (P*) before entering USF. All courses must be passed with a "C" or better.

SOW 3302 Introduction to Social Work and SOW 3203 American Social Welfare must be taken at USF or another accredited institution and must be completed, earning a grade of "B" or better.

State Mandated Common Prerequisite Courses (P)

A student must successfully complete, by earning a "C" or better:

One course in each of the following cognate areas
- American Government (American National Government or American Government) (3)
- Biology (Human Biology or Anatomy & Physiology) (3)
- Economics (Microeconomics or Macroeconomics) (3)
- Introductory Psychology (3)
- Introductory Sociology/Social Problems (3)

At USF, the following courses are recommended to meet this requirement (one course in each area):

American Government
- American National Government (3)
- State and Local Government and Politics (3)
- Florida Politics and Government (3)

Biology
- Biology of Aging (3)
- Food: Personal & Global Perspectives (3)
- Sex and Today's World (3)
- Principles of Biology for Non-majors (3)
- Human Sexual Behavior (3)

Economics
- Basic Economics (3)
- Introduction to Contemporary Psychology (3)
- Experimental Psychology (3)
- Psychology of Adjustment (3)

Sociology
- Introduction to Sociology (3)
- Contemporary Social Problems (3)
- Gender and Society (3)
- Social Psychology (3)
- Poverty, Inequality, and Stratification (3)
- Sociological Aspects of Deviance (3)

Foundation Courses (P*) for Pre-Social Work Majors (May be completed after transferring to USF)

1. A student must successfully complete by earning a "C" or better, one of the following cross cultural courses or equivalency:

   - Introduction to the Black Experience
   - Social Institutions and the African-American Community
   - Black Women in America
   - Culture and Society in Africa
   - Racism in American Society
   - Blacks in the American Political Process

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

Sociology
- Racial and Ethnic Relations
- Women's Studies
- Introduction to Women's Studies
- Psychology of Women
- Women and Politics
- Issues in Feminism

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

2. Both of the following Social Work courses, earning a "B" or better:

   - American Social Welfare System
   - Introduction to Social Work

Foundation Courses (P*) for Pre-Social Work Majors

1. A student must successfully complete by earning a "C" or better one of the following cross cultural courses or equivalency:

   - Introduction to the Black Experience (3)
   - Social Institutions and the African-American Community (3)
   - Black Women in America (3)
   - Culture and Society in Africa (3)
   - Racism in American Society (3)
   - Blacks in the American Political Process (3)
Anthropology:
ANT 2000 Introduction to Anthropology (3)
ANT 3005 The Anthropological Perspective (3)
ANT 2410 Cultural Anthropology (3)
ANT 4316 Ethnic Diversity in the USA (3)
ANT 4432 The Individual and Culture (3)

Sociology:
SYD 3700 Racial and Ethnic Relations (3)

Women's Studies:
WST 3010 Introduction to Women's Studies (3)
SOP 3742 Psychology of Women (3)
PUP 4323 Women and Politics (3)
WST 3011 Issues in Feminism (3)
AMH 3561 American Women I (4)
AMH 3562 American Women II (4)
WST 4262 Literature by American Women of Color (3)
LIT 3383 The Image of Women in Literature (3)
WST 4263 Third World Women Writers (3)

2. Both of the following Social Work courses, earning a "B" or better:
SOW 3203 American Social Welfare System (3)
SOW 3302 Introduction to Social Work (3)

Social Work Core Courses

1. Human Behavior and Social Environment Courses
SOW 3101 (4) SOW 3102 (4)

2. Social Welfare: Policy & Program Course
SOW 4233 (4)

3. Social Research Course
SOW 3401 (4)

4. Social Work Practice Courses
SOW 4341 (5) SOW 4343 (5)

5. Directed Field Experience
SOW 4510 (3) SOW 4510L (6)

6. Multi-cultural America
SOW 4522 (3)

Summary:
Core Courses 29 hours
Field Experience 9 hours
TOTAL 38 hours

Provisional Courses (P) for Social Work Majors

1. A student must successfully complete by earning a "C" or better one of the following cross cultural courses or equivalence.

   AFA 2000 Introduction to the Black Experience (3)
   AFA 4331 Social Institutions and the African-American Community (3)
   AFA 4335 Black Women in America (3)
   AFS 2250 Culture and Society in Africa (3)
   AMS 3700 Racism in American Society (3)
   PUP 3313 Blacks in the American Political Process (3)

2. Both of the following Social Work courses, earning a "B" or better:
SOW 3203 American Social Welfare System (3)
SOW 3302 Introduction to Social Work (3)

Social Work Core Courses

1. Human Behavior and Social Environment Courses
SOW 3101 (4) SOW 3102 (4)

2. Social Welfare: Policy & Program Course
SOW 4233 (4)

3. Social Research Course
SOW 3401 (4)

4. Social Work Practice Courses
SOW 4341 (5) SOW 4343 (5)

5. Directed Field Experience
SOW 4510 (3) SOW 4510L (6)

6. Multi-cultural America
SOW 4522 (3)

Summary:
Core Courses 29 hours
Field Experience 9 hours
TOTAL 38 hours

• SOCIOLOGY (SOC)

Sociology is the study of social life and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies. Because all human behavior is social, the subject matter of sociology ranges from intimate families to hostile mobs; from crime to religion; from the divisions of race, gender, and social class to the shared beliefs of a common culture; from the sociology of work to the sociology of emotions.

The Sociology major is designed to provide students with a broad liberal arts education and a greater understanding and insight into the social systems and processes that bear upon everyday lives. Opportunities for students with Bachelor's degrees in Sociology are quite varied. Some go on to work for human service agencies; others work in personnel, criminal justice, and urban planning; others enter graduate programs in sociology, education, law, medicine, or social work. Toward these ends, all students are encouraged to become skilled in the use of computers and libraries.

Requirements for the Major in Sociology

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students should complete two lower level introductory courses in Sociology prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Students are encouraged to take the following prerequisites, or major, support, or elective courses, if available, during the program of study at the community college, and when feasible in General Education/ Gordon Rule courses:

STA 2122 Social Science Statistics (3)
SYG 2000 Introduction to Sociology (3)
WST 4263 Introduction to Women's Studies (3)
Specific Coursework in the Sociology Major

The major consists of a minimum of 36 credit hours of Sociology coursework plus ISS STA 2122: "Social Science Statistics" or its equivalent. All university-wide regulations regarding transfer credits and credits needed for graduation apply, at least 27 of the 36 hours of coursework in Sociology must be USF credits. Only courses in which a grade of "C" or better is attained will count toward the minimum hours although lower grades are included in calculating the major GPA.

The minimum of 36 credit hours in Sociology must include the following four core courses (12 hours):
- 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
- 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 which meet with the approval of the Honors Program director. 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.

HONORS PROGRAM IN SOCIOLOGY

The purpose of the Honors Program in Sociology is to provide exceptional undergraduates with advanced, individualized training in research and writing, as well as more direct contact with faculty mentors. Students in the Honors Program can expect more intensive work and greater challenges than sociology students in the general curriculum. Yet, a student is not admitted to the program without the confidence of faculty in his or her ability to complete the Program. The rewards upon successful completion of the program include advanced training in research design, data collection, analysis, and scholarly writing—all experiences beyond those normally given to sociology majors. Assuming the student is in good standing at the time of application to graduate school, a letter from the Honors Program director outlining the Program's requirements and special features will be sent to each graduate program to which s/he applies. Upon successful completion of the Honors Program requirements, the student's transcript will state that the student graduated with Honors in Sociology.

Requirements for Admission to the Honors Program

1. Completion of the following courses by the end of the Semester II of the junior year with a Grade point Average of at least 3.5:
   - SYG 2000 Introduction to Sociology
   - SYA 3010 Classical Theory
   - SYA 3300 Research Methods
   - SYA 4935 Senior Seminar
2. An overall Grade Point Average of 3.2 or higher.
3. Completion of at least 72 semester hours by the start of the program in Semester I.
4. At least one course in the substantive area of the student's preliminary research interests, by the time of or during Semester I of the program. If during Semester I, the student must have documentation that the course will be offered at the 3000, 4000, or 5000 level, and that s/he will be able to enroll in the class. If at all possible, this course should be in Sociology, although, in some instances, the director may approve a course outside the department.
5. Tentative agreement by a faculty member to serve as chair of the honors thesis committee. This faculty member should indicate her/his willingness in a letter of recommendation to the director of the Honors Program.

Successful completion of the Honors Program requires completion of the Sociology program with a GPA of 3.5 or better, completion of Honors Seminar and Honors Colloquium, and completion of Honors Thesis. See Sociology Undergraduate Advisor for more information.

WOMEN'S STUDIES (WST)

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

Women's Studies offers excellent undergraduate preparation as well for those who wish to apply to law school or to graduate study in a variety of fields, e.g., Urban or Medical Anthropology, Counselor Education, Criminal Justice, Gerontology, History, Rehabilitation Counseling, Social Work, Women's Studies.

Those who want to focus on women in specific disciplines or professions; and those whose training would benefit from a close scrutiny of the major issues facing women today.

Requirements for the Major in Women's Studies

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

No State Mandated Common Prerequisites are required for this degree program. However, during the program of study at the community college students should begin to satisfy General Education/Gordon Rule requirements, take WST 3015, "Introduction to Women's Studies," or other introductory courses in the Social Sciences and Liberal Arts.
Courses to help students with reading and writing skills are helpful as well. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Upper-level Coursework for Women's Studies Majors
Each major must complete 36 hours distributed as follows:
Required Core Courses (6 hours)
- WST 3311 Issues in Feminism (3)
- WST 4935 Seminar in Women's Studies (3)
and at least 1 course from each of the following 6 areas of concentration (18 hours) and 12 hours of electives.

1. Multicultural Issues
- WST 3412 Women in the Developing World (3)
- AFA 4335 Black Women in America (3)
- ANT 4350 Women and Science (3)
- WST 4260 Research Issues on Women of Color (3)

2. History
- AMH 3561 American Women I (4)
- AMH 3562 American Women II (4)
- WST 3210 Women in Western Civilization I (3)
- WST 3220 Women in Western Civilization II (3)
- WST 2250 Female Experience in America (3)
- WST 4310 Feminism in America (3)

3. Humanities
- REL 3145 Women and Religion (3)
- WST 4335 Women and Film (4)
- AMS 3370 Southern Women-Myth and Reality (3)
- WST 4262 Literature by American Women of Color (3)
- WST 4410 Third World Women Writers (3)

4. Sciences
- SOP 3742 Psychology of Women (3)
- SCG 4800 Gender and Society (3)
- WST 2600 Human Sexual Behavior (3)
- WST 3225 Women, Environment and Gender (3)
- WST 4320 Women's Body/Woman's Mind (3)
- WST 4350 Women and Science (3)

5. Theory/Philosophy
- WST 4522 Classics in Feminist Theory (3)
- PHI 4632 Feminist Ethics (3)
- PHM 5125 Topics in Feminist Philosophy (3)
- WST 5308 Feminist Spirituality (3)

6. Public Policy
- POS 4693 Women and Law I (3)
- POS 4694 Women and Law II (3)
- PUP 4323 Women and Politics (3)

The following courses, not included within the six areas of concentration, may be used to complete elective hours:
- WST 3010 Intro to Women's Studies (3)
- WST 3440 Women and Social Action (3)
- WST 3620 Men and Sexism (3)
- WST 4900 Directed Readings (1-3)
- WST 4910 Directed Research (1-3)
- WST 4930 Selected Topics (1-4)
- WST 5934 Selected Topics (1-4)
- STA 2122 Social Science Statistics (3)

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

Requirements for the Minors in Women's Studies

Minor in Women's Studies
A student wishing to minor in Women's Studies will be required to take six courses:
- WST 3015 or WST 3011

Plus 5 electives chosen from the 6 areas of concentration with no more than 2 courses from any one area and with at least 2 courses at the 4000 level and above.

Students who minor in Women's Studies must be certified by the Undergraduate Advisor.

Minor in "Women of Color"
Women's Studies offers a specific concentration in the area of Women of Color whose focus will be to examine the relationship between women of color and the larger concept 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 fields, such as health and education, international relations, the creative arts, law, medicine, social work, government and public policy, the social sciences, and community organization.

The requirements for the minor are 15 hours, which are to be selected from the following upper-level courses:
- AFA 4335 Black Women in America (3)
- WST 4260 Research Issues on Women of Color (3)
- WST 4930 Selected Topics (1-4)
- ANT 4302 Gender in Cross-Cultural Perspective (3)
- WST 4262 Literature by American Women of Color (3)
- WST 3412 Women in the Developing World (3)
- WST 4410 Third World Women Writers (3)

STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

Alpha Epsilon Delta (AED) - National Premedical Honor Society - Open to all USF students with an interest in health professions. To be inducted into the national honorary, students must have 3.0 overall GPA and science GPA with a minimum of 3 semesters of college work completed, including one semester at USF. Students do not need to be in the national honorary in order to participate in the chapter at USF. For further information please go to Science Advising Center, CHE 306.

Alpha Phi Sigma - To recognize and promote high scholastic achievement among students in the Criminal Justice major by supporting service projects, tutoring services, and other goal directed activities. For further information please call (813) 974-6217.

American Chemical Society Student Affiliate - To enhance the students' knowledge of chemistry and chemistry related fields. For further information please contact Dr. Slanko, (813) 974-2874, CHE 306.

American Criminal Justice Association - To offer students an organization that exposes them to career opportunities in fields related to criminalology. We also provide interaction between students and professionals in the field of criminal justice. For further information please call (813) 974-6217.

American Medical Student Association (AMSA) - Open to all Pre-Medical students. AMSA sponsors student-run projects carried out at the local level that allows future physicians to work in their communities as teachers and advocates of health promotion and disease prevention. For further information please go to the Science Advising Center, CHE 306.

Anthropology Club - To promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and to foster an informal and creative atmosphere for interaction. For further information please call the Department Office at 813-974-0783.

Arts and Sciences College Council - To represent the students of the College of Arts & Sciences in expressing their opinions, to help them participate in determining college policy, to provide services that may help in furthering their
interests and education in the Arts and Sciences. For further information please go to SOC 102 or call 813-974-6957.

Arts and Sciences Honor Society - To recognize high academic achievement by students in the College of Arts and Sciences. Membership is by invitation. One induction is held each year during the fall semester. For further information, check the ASHS web site at http://nosferatu.cas.usf.edu/~poonkase or call 874-6957.

Association of Minority Communicators - To inform and help facilitate minority students interested in Communication about the profession and help them gain practical experience.

Blacks Organized for Social Science - This is a service club for students majoring or interested in the social science field who wish to enhance studies and broaden leadership skills. For further information please contact Project Thrust advisor in SOC 102.

Colloquia in Literature and Linguistics - Provides a stimulating environment in which graduate students in French, Spanish, and Linguistics can share and expand their scholarly endeavors. Sponsors guest lectures. For further information please go to CPR 419.

Communication Council - To encourage and promote extracurricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.

French Club - To promote the interest of the French language, Francophone culture and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

Gamma Theta Upsilon (GTU) - An international honor society in geography. The purposes of GTU are: to further professional interest in geography by afford an leadership organization for those interested in the field; to strengthen student and professional training through academic experiences in addition to those of the classroom and laboratory; to encourage student research of high quality.

Geography Club - To foster understanding of and stimulate interest in the discipline of Geography and its subfields. For further information please go to SOC 305.

Geology Club - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary school. For further information please contact Dr. Jeff Ryan, SCA 507; Undergraduate Advising Office, CHE 306; or Geology Web Page @ www.cas.usf.edu/geology/.

German Club - To promote the interest of German language, culture, and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

HOSA - Health Occupations Students of America (HOSA) is a national organization which supplements the health education curriculum. HOSA develops the whole person, not just job-specific skills. HOSA's purpose is to foster leadership skills, communication skills and other occupational competencies and social skills that will lead to a successful career in the health field. For further information please go to Science Advising Center, CHE 306.

Humanities and American Studies Society - This organization's stated purpose according to its Constitution, is "to inspire a greater appreciation of our past and present through the study and enjoyment of various art forms." Activities range from gallery strolls to lectures, film series, and campus theatre performances.

International Studies Organization - To promote interaction between students and faculty. To enlighten the student populace of the purpose of International studies and to foster gender relations among international studies majors. For further information please go to SOC 373.

Italian Club - The purpose of the Circolo Culturale Italiano is to provide educational opportunities and experiences in the American Life to its members and help them to improve their knowledge of the Italian language and culture. It also sponsors lectures, social events and grants scholarships to deserving students of Italian. For further information please go to CPR 419.

Legal Brief - To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences. For further information please go to SOC 352.

Marine and Life Sciences Club - To foster student interests in the environment and ecological systems. Field trips and volunteer activities.

Microbiology Club - To enhance students' interests in microbiology and to provide opportunities to learn more about the certification processes necessary for professional careers in the field. Contact Dr. Valerie Harwood for more information.

Minority Preprofessional and Science Society - The objectives of the Society are to promote minority student interest in careers in the natural sciences and the health professions and to provide a support network to enable students to be academically successful. The Society meets twice monthly on Wednesday afternoons. Membership is open to all students in the College of Arts and Sciences. For further information call the Health Professions Advising office, (813) 974-2674 or 974-3874.

NASW Sub Unit (National Assoc. of Social Workers) - To be a subunit of the National Association of Social Workers, and to provide a social/educational/philanthropic organization for the School of Social Work students. For further information please go to MGY 132.

National Student Speech Language Association - Association was created because of students' desire for a closer affiliation with professionals in the discipline of human communication sciences and disorders.

Phi Sigma Iota - International Honor Society for outstanding majors and minors in Classics, all Foreign Languages and Literatures, Bilingual Education, Foreign Language Education and Comparative Literature.

Pi Gamma Mu - International Honor Society for the Social Sciences.

Pi Mu Epsilon - The mathematics honor society to which the best scholars among our students are invited. Particular emphasis is given to performance in mathematics courses. For further information please go to PHY 342.

Pi Sigma Alpha - To function as an integral part of the political science department in the promotion of worthwhile extracurricular activities related to public affairs. For further information please go to SOC 352.
Pre-Dental Society - The Pre-Dental Society is open to all students with an interest in Dentistry. Through the Society students have an opportunity to not only get to know other Pre-Dental students, but to meet and hear presentations from dental school admissions' officers and practicing dentists. The Society also has organized an extensive mentor program through which students can arrange to observe dentists from each of the specialties as they work in their offices. For further information please go to Science Advising Center, CHE 306.

Preoptometry Society - This new society will provide students an opportunity to learn more about the profession of optometry and to meet other students interested in the profession. Any interested student is invited to join. For further information please go to Science Advising Center, CHE 306.

Preveterinary Society - USF Preveterinary Society provides fellowship and exchange among students interested in veterinary medicine, animal science and/or research. Membership is open to students from USF and other local colleges who wish to participate in a variety of activities which will enhance their knowledge in animal science. Activities have included tours at EPCOT - the Land of the Seas, Sea World, Lowry Park Zoo, an ostrich farm, and University of Florida College of Veterinary Medicine. Students meet a variety of specialists in the area. For further information please go to Science Advising Center, CHE 306.

Psi Chi - Psi Chi is the Nationa Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduates and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the American Psychological Society.

Sigma Gamma Epsilon - To recognize and promote academic and professional excellence in the Earth Sciences.

Student Broadcasting Association - To give students with an interest in television/radio journalism hands-on experience and the opportunity to produce a news program for public access television. For further information please go to CIS 3005.

Student Chapter of the Mathematical Association of America - A club for students who enjoy doing, discussing and learning mathematics. For further information please go to PHY 342.

Student Society for Technical Communication-SSTC - offers students scholarships, publication competitions, internship opportunities, resume and computer workshops and networking socials with local professionals who are established in the field. For further information please go to CTR 2419.

University Psychology Association - The purpose of this organization shall be to foster understanding and stimulate interest in the discipline of Psychology and its sub-fields. University Psychology Association is open to all USF students interested in the field of Psychology.

Women's Studies Student Association - To promote interest in women's issues and provide an informative and social atmosphere for all interested Women's Studies' affiliates.

ARTS AND SCIENCES FACULTY

Africana Studies

Anthropology
Chairperson: L. Whitford; Distinguished Service Professor: A. Wolfe; Professors: M. Angrosino, R. Baer, E. Bird, K. Borman, J. Sokolovsky, L. Whitford, C. Wierken; Associate Professors: S. Greenbaum, L. Madrigal, T. Purcell, J. Smith, B. Weisman, N. White, K. Yelvington; Assistant Professors: N. Romero-Daza, R. Tykot; Visiting Assistant Professor: D. Himmelgreen; Courtesy Faculty: C. Bryant, J. Corell, M. Hernandez, N. Henderson.

Bachelor of Independent Studies
Director: B. Cochrane; Associate Director: K. Archer; Area Coordinators: W. Heim (BIS Humanities), R. Wheeler (BIS Social & Behavioral Sciences), TBA (BIS Natural Sciences).

Biology

Chemistry

Communication
Chairperson: E. Eisenberg; Professors: A. P. Bochner, K. N. Cisnisa, M. E. Eisenberg, C. S. Ellis, L. S. Petteway, M. L. Vanderford; Associate Professors: E. E. Bell, B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier; Assistant Professors: J. Jorgenson, G. Rodman; Courtesy Faculty: M. Myerson.

Communication Sciences and Disorders
Community Experiential Learning
Coordinator: R.R. Jones.

Criminology

Economics

English

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

Geography

Geology

Gerontology

History

Humanities and American Studies

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

International Studies

Languages & Linguistics

Library and Information Science

Marine Science
Mass Communications


Mathematics


Medical Technology

Director: S. H. Grossman; Courtesy Professors: I. L. Browsky (Tampa General Hospital), L. Davis (Bayfront Medical Center), N. M. Hardy (University Medical Center/Jacksonville), R. F. Holcomb (Florida Hospital), M. Patterson (St. Vincent’s Medical Center); Courtesy Lecturers: L. Ckhakaphak (St. Vincent’s Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schurig (Bayfront Medical Center), J. Sigler (University Medical Center).

Philosophy


Physics


Political Science


Public Administration

Director: J. E. Pyne; Professors: J. E. Reisat, S. A. MacManus; Associate Professors: J. L. Daly, A. Njoh, J. E. Pyne; Assistant Professors: S. Calabrese, C. D. Pettijohn; Joint Appointments: Professors: J. C. Merrick; Associate Professors: J. E. Benton, P. N. Rigos.

Psychology


Rehabilitation and Mental Health Counseling

Chairperson: W. G. Emener; Distinguished Research Professors: W. G. Emener; Professors: J. D. Rasch; Associate Professors: S. Kelley, T. J. Wright; Assistant Professors: C. Dixon; Clinical Instructor: T. Evans, J. Ferrandino.

Religious Studies


Social Work

Director: J. Amuso; Assistant Program Director: C. K. Bennett; Professors: W. S. Hutchison, C. S. Roberts; Associate Professors: G. J. Paveza, A. A. Smith, P. L. Smith, A. L. Strozler; Assistant Professors: D. Bassett, P. Ouellette, M. Rank; Instructors: C. K. Bennett, A. Castro, D. Ducett, L. Jackson, S. Speer, C. Tate, R. Tilden; Courtesy Faculty: Associate Professors: M. L. Coulter; Visiting Faculty: J. Callan, J. Carpenter, M. Marley.

Sociology


Women’s Studies

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

ARTS AND SCIENCES COURSES

Africana Studies

AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] -6A AF
AFA 4200 Slavery in the Americas and the Caribbean -MW (3)
### American Studies

(see Humanities and American Studies)

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<td>The Human Adventure</td>
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<td>ANT 2000</td>
<td>Introduction to Anthropology - SS AF</td>
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<td>Anthropological Linguistics - SS</td>
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<td>ANT 4034</td>
<td>Theories of Culture - SS</td>
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<td>ANT 4146</td>
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### Astronomy

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<td>Contemporary Thinking in Astronomy - NS</td>
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<td>AST 5505</td>
<td>Introduction to Celestial Mechanics</td>
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<td>AST 5932</td>
<td>Selected Topics in Astronomy</td>
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### Bachelor of Independent Studies

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- BCH 4034 Advanced Biochemistry (3)
- BCH 5045 Biochemistry Core Course (3)
- CHM 2021 Chemistry For Today -NS (4)
- CHM 2030 Introduction to General, Organic, and Biochemistry (4)
- CHM 2045 General Chemistry I -NS (3)
- CHM 2045L General Chemistry I Laboratory (1)
- CHM 2046 General Chemistry II -NS (3)
- CHM 2046L General Chemistry II Laboratory (1)
- CHM 2200 Organic Chemistry (3)
- CHM 2210 Organic Chemistry I (3)
- CHM 2210L Organic Chemistry Laboratory I (1)
- CHM 2211 Organic Chemistry II (3)
- CHM 2211L Organic Chemistry Laboratory I (1)
- CHM 2932 Intermediate Inorganic Chemistry (3)
- CHM 3400L Intermediate Physical Chemistry I (3)
- CHM 3401L Intermediate Physical Chemistry II (3)
- CHM 3610 Intermediate Inorganic Chemistry (3)
- CHM 3610L Intermediate Inorganic Chemistry Laboratory (1)
- CHM 4060 Use of the Chemical Literature (1)
- CHM 4070 Historical Perspectives in Chemistry -6A MW (3)
- CHM 4130C Methods of Chemical Investigation I (4)
- CHM 4130C Methods of Chemical Investigation II (4)
- CHM 4300 Biomolecules I (3)
- CHM 4410 Physical Chemistry I (3)
- CHM 4411 Physical Chemistry II (3)
- CHM 4412 Physical Chemistry III (3)
- CHM 4413 Advanced Inorganic Chemistry (3)
- CHM 4905 Independent Study (1-3)
- CHM 4932 Selected Topics in Chemistry (1-3)
- CHM 4970 Undergraduate Research (1-3)
- CHM 5225 Intermediate Organic Chemistry II (3)
- CHM 5425 Applications in Physical Chemistry (3)
- CHM 5452 Polymer Chemistry (3)
- CHM 5500 Principles of Inorganic Chemistry (3)
- CHM 5531 Selected Topics in Chemistry (1-3)
- CHS 4300 Fundamentals of Clinical Chemistry (3)
- CHS 4301L Clinical Laboratory (2)
- CHS 4302L Clinical Chemistry Practice (2-12)
- ISC 1004 Integrated Natural Sciences I: Science that Matters -NS (3)
- ISC 1005 Integrated Natural Sciences II: Science that Matters -NS (3)

**Communication**

- COM 2000 Introduction to Communication -SS (3)
- COM 3014 Communication: Gender and Identity (3)
- COM 3110 Communication For Business and the Professions (3)
- COM 3120 Introduction to Communication Theory in Organizations (3)
- COM 3122 Interview Communication (3)
- COM 3122L Interview Communication Lab (1)
- COM 4020 Communicating Illness, Grief, and Loss -6A (3)
- COM 4022 Health Communication (3)
- COM 4140 Women and Communication -6A MW (3)
- COM 4142 Communication and Organizational Change (3)
- COM 4710 Writing Lives -6A (3)
- COM 4942 Communication Intern Seminar (3)
- COM 5930 Topics in Communication Studies (3)
- ORI 3200 Introduction to Communication As Performance (1-3)
- ORI 3950 Communication As Performance Lab (1-3)
- ORI 4120 Performance of Poetry (3)
- ORI 4310 Group Performance of Literature (3)
- ORI 4931 Performance and Video (3)
- ORI 5930 Topics in Performance Genres (3)
- SPC 2541 Persuasion -SS (3)
- SPC 2600 Public Speaking -SS (3)
- SPC 3212 Communication Theory (3)
- SPC 3300 Rhetorical Theory -HP (3)
- SPC 3301 Interpersonal Communication -SS (3)
- SPC 3425 Group Communication (3)
- SPC 3513 Argumentation and Debate (3)
- SPC 3602 Advanced Public Speaking (3)
- SPC 3631 Rhetoric of the Sixties -HP (3)
- SPC 3653 Popular Forms of Public Communication (3)
- SPC 3680 Rhetorical Analysis (3)
- SPC 3710 Communication and Cultural Diversity -SS (3)
- SPC 4201 Oral Tradition -MW (3)
- SPC 4305 Communicating Emotions -6A (3)
- SPC 4310 Relationships on Film (3)
- SPC 4413 Family Communication (3)
- SPC 4632 Rhetoric and Social Change -6A MW (3)
- SPC 4683 Rhetorical Analysis of Mass Media (3)
- SPC 4714 Communication, Culture and Community -MW (3)
- SPC 4900 Directed Study (1-3)
- SPC 4903 Honors Readings (3)
- SPC 4905 Undergraduate Research (1-3)
- SPC 4930 Selected Topics (1-3)
- SPC 4932 Senior Seminar in Communication (3)
- SPC 4930 Honors Thesis (3)
- SPC 5930 Topics in Discourse (3)

**Communication Sciences and Disorders**

- SPA 3002 Introduction to Disorders of Speech and Language -SS (3)
- SPA 3004 Intro to Language Development and Disorders (3)
- SPA 3011 Introduction to Speech Science (3)
- SPA 3030 Introduction to Hearing Science (3)
- SPA 3101 Anatomy and Physiology of the Speech and Hearing Mechanism (3)
- SPA 3112 Applied Phonetics in Communication Disorders (3)
- SPA 3200 Introduction to Disorders of Hearing (3)
- SPA 3612C Basic American Sign Language (4)
- SPA 3653 Overview of Language Learning in Deaf Children (3)
- SPA 3653L Overview of Language Learning in Deaf Children Lab (1)
- SPA 3660 Introduction to Interpreting in Public Schools (3)
- SPA 3660L Introduction to Interpreting in Public Schools Lab (1)
- SPA 3673 Introduction to Auditory Functions (3)
- SPA 4000 Communication Disorders in the Public Schools (3)
- SPA 4320 Introduction to the Clinical Process -MW (3)
- SPA 4420 Phonological Development and Disorders (3)
- SPA 4421 Vocal Disorders (3)
- SPA 4450 Fluency Disorders (3)
- SPA 4431 Fundamentals of Fingerspelling (3)
- SPA 4435 Sign Language Codes (3)
- SPA 4555 Counseling of Communicatively Handicapped and Family (3)
- SPA 4613C Intermediate American Sign Language (3)
- SPA 4614C Advanced American Sign Language (4)
- SPA 4615L American Sign Language Laboratory (1)
- SPA 4617 Structure of Sign Language (3)
- SPA 4662 Interpreting in Public Schools I (3)
- SPA 4662L Interpreting in Public Schools I Lab (1)
- SPA 4663 Interpreting in Public Schools II (3)
- SPA 4663L Interpreting in Public Schools II Lab (1)
- SPA 4685 Practicum: Interpreting in Schools (1-6)
- SPA 4933 Selected Topics (1-3)
- SPA 5132 Audiology Instrumentation (2)
- SPA 5150 Advanced Speech Science (3)
- SPA 5150L Speech Science Instrumentation (2)
- SPA 5303 Advanced Hearing Science (3)
- SPA 5312 Peripheral and Central Auditory Tests (3)
- SPA 5328 Aural Rehabilitation: Adults (3)
- SPA 5403 Communication Disorders: Language (3)
- SPA 5408 Language-Learning in the School-Age Years (3)
- SPA 5506 Speech-Language Pathology and Audiology Practicum (1-8)
- SPA 5552 Diagnostic Principles and Practices (2)

**Community Experiential Learning**

- IDS 4910 Community Research (1-4)
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- ADV 3103 Radio-Television Advertising (3)
- ADV 3200 Advertising Design (3)
- ADV 3300 Advertising Media Strategy (3)
- ADV 3700 Retail Advertising Planning and Execution (3)
- ADV 4800 Advertising Campaigns (3)
- ADV 4940 Advertising Practicum (1)
- FIL 3040 Media and Advertising History: Advertising (3)
- FIL 3070 The Film as Mass Communication I: Syntax (3)
- FIL 3080 The Film as Mass Communication II: Rhetoric and Stylistics (3)
- FIL 4404 Social History of the Film, 1945 to the Present (3)
- JOU 2100 Beginning Reporting (3)
- JOU 2801 News Editing (3)
- JOU 3101 Advanced Reporting (3)
- JOU 3300 Magazine Article and Feature Writing (3)
- JOU 3306 Critical Writing: Editorials, Reviews, Columns (3)
- JOU 3840 Reporting Practicum (1)
- JOU 4104 Public Affairs Reporting (3)
- JOU 4206 Newspaper Design and Typography (3)
- JOU 4941 Editing Practicum (1)
- JOU 4944 Magazine Practicum (3)
- JOU 5105 Newswriting and Editing (3)
- JOU 5305 Explorations in Newswriting (3)
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- MMC 3632 Mass Communications and Society - SS HP (3)
- MMC 4123 Media Script Writing (3)
- MMC 4200 History and Principles of Communications Law (3)
- MMC 4203 Communication Ethics (3)
- MMC 4220 Research Methods in Mass Communications (3)
- MMC 4900 Directed Reading in Mass Communications (1-3)
- MMC 4910 Individual Research in Mass Communications (1-3)
- MMC 4936 Selected Topics in Mass Communications Studies (1-3)
- MMC 4945 Media Internship-Seminar (3)
- PGO 2110 Color Photography (3)
- PGO 3610 Photocomposition (3)
- PGO 3620 Photocomposition II (3)
- PUR 3000 Principles of Public Relations (3)
- PUR 4100 Writing for Public Relations (3)
- PUR 4401 Public Relations: Issues, Practices and Problems (3)
- PUR 4700 Public Relations Practicum (1)
- PUR 4801 Advanced Public Relations (3)
- RTV 2100 Writing for Radio and TV (3)
- RTV 3001 Introduction to Telecommunications (3)
- RTV 3301 Broadcast News (3)
- RTV 3941 Radio Practicum (3)
- RTV 3931 Television Production and Direction (1)
- RTV 4304 TV News (3)
- RTV 4320 Electronic Field Production (3)
- RTV 4500 Telecommunications Programming (3)
- RTV 4700 Telecommunications Law and Policy (3)
- RTV 4942 TV Practicum (1)
- VIC 3001 Introduction to Visual Communications (3)
- VIC 3943 Visual Communication Practicum (1)

### Mathematics

- CGS 3414 Problem Solving Using Pascal or C - 6A (3)
- COG 1313 Symbolic Computations in Mathematics - 6A (3)
- MAA 4211 Intermediate Analysis I - 6A (4)
- MAA 4212 Intermediate Analysis II - 6A (4)
- MAA 4402 Complex Variables - 6A (3)
- MAA 5306 Real Analysis I (3)
- MAA 5307 Real Analysis II (3)
- MAA 5405 Applied Complex Analysis (3)
- MAC 1114 College Trigonometry - 6A (2)
- MAC 2230 Business Calculus - 6A QM (4)
- MAC 2233 Life Sciences Calculus I - 6A QM (4)
- MAC 2234 Life Sciences Calculus II - 6A QM (4)
- MAC 2281 Engineering Calculus I - 6A QM (3)
- MAC 2282 Engineering Calculus II - 6A QM (3)
- MAC 2283 Engineering Calculus III - 6A QM (3)
- MAC 2311 Calculus I - 6A QM (4)
- MAC 2312 Calculus II - 6A QM (4)
- MAC 2313 Calculus III - 6A QM (4)
- MAD 3100 Discrete Mathematics - 6A (3)
- MAD 4401 Numerical Analysis - 6A (4)
- MAD 4504 Theory of Computation (3)
- MAD 5101 LISP: Programming With Algebraic Applications (3)
- MAD 5305 Graph Theory (3)

### Liberal Studies

- IDS 2130 Biology for Learning Communities (3)
- IDS 2600 Social Science Perspectives I (3)
- IDS 2666 Historical Perspectives I (3)
- IDS 2667 Historical Perspectives II (3)
- IDS 2800 Introduction to Psychology (3)
- IDS 2932 Selected Topics - HP (3)
- IDS 2933 Selected Topics III - SS (3)
- IDS 2934 Selected Topics IV - SS (3)
- IDS 2935 Selected Topics V - FA (3)
- IDS 2936 Selected Topics VI - AF (3)
- IDS 3668 Writing Culture: Images of Culture in the Modern World (3)
- IDS 4930 Selected Topics (1-4)

### Library and Information Science

- LIS 2001 Library and Information Skills (3)
- LIS 2002 Introduction to the Internet (3)
- LIS 2020 Selected Topics in Library/Information Science (1-3)
- LIS 2931 World Wide Web Page Design and Management (3)
- LIS 4930 Selected Topics in Information Studies (3)
- LIS 5200 Microcomputer Applications Library and Information Centers (3)
- LIS 5315 Instructional Graphics (3)
- LIS 5333 TV in Schools and Libraries (3)
- LIS 5930 Introduction to Library and Information Science (3)
- LIS 5937 Selected Topics in Library Studies (1-4)

### Learning Communities

- IDS 2130 Biology for Learning Communities (3)
- IDS 2600 Social Science Perspectives I (3)
- IDS 2666 Historical Perspectives I (3)
- IDS 2667 Historical Perspectives II (3)
- IDS 2800 Introduction to Psychology (3)
- IDS 2932 Selected Topics - HP (3)
- IDS 2933 Selected Topics III - SS (3)
- IDS 2934 Selected Topics IV - SS (3)
- IDS 2935 Selected Topics V - FA (3)
- IDS 2936 Selected Topics VI - AF (3)
- IDS 3668 Writing Culture: Images of Culture in the Modern World (3)
- IDS 4930 Selected Topics (1-4)

### Marine Science

- OCE 2001 Introduction to Oceanography - NS (3)
- OCE 4930 Selected Topics in Marine Science (1-4)
### Philosophy

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### Medical Technology

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Rehabilitation and Mental Health Counseling

RCS 3030 Rehabilitation Counseling Issues in Alcoholism and Other Addictions
RCS 4035 Rehabilitation Counseling: Concepts and Applications
RCS 5080 Medical Aspects of Disability
RCS 5404 Foundations of Mental Health Counseling
RCS 5406 Human Growth and Development
RCS 5450 Substance Abuse I
RCS 5700 Legal, Ethical, Professional Standards and Issues in Counseling
RCS 5902 Practicum I
RCS 5904 Practicum II

Religious Studies

GRE 2040 New Testament Greek I
GRE 2041 New Testament Greek II
HEB 1120 Basic Hebrew I
HEB 1121 Basic Hebrew II
REL 2210 Hebrew Bible/Old Testament
REL 2240 Introduction to the New Testament
REL 2230 Introduction to World Religions - 6A HP
REL 2236 Contemporary World Religions -HP
REL 3000 Ancient Religions in Context
REL 3003 Introduction to Religion
REL 3111 The Religious Quest in Contemporary Films - 6A SS HP
REL 3114 Comedy, Tragedy, and Religion - 6A MW
REL 3120 Religion in America
REL 3131 New Religions in America
REL 3132 Witchcraft and Faganism in America
REL 3140 Religion, Culture, and Society
REL 3145 Women and Religion - 6A
REL 3155 Life After Death - 6A MW
REL 3170 Religion, Ethics and Sociology Through Film - 6A SS HP
REL 3280 Biblical Archaeology - MW
REL 3303 Comparative Religion: Judaism and Islam - MW
REL 3310 World Religions
REL 3330 The Religions of India - AF
REL 3362 Introduction to Islam - 6A HP AF
REL 3367 Islam in the Modern World - 6A HP AF
REL 3375 Issues in Caribbean Religions - MW
REL 3380 Native American Religions
REL 3420 Contemporary Religious Thought
REL 3565 Religion and the Meaning of Life - 6A MW
REL 3501 History of Christianity - 6A HP
REL 3561 Roman Catholicism - 6A MW
REL 3600 Introduction to Judaism - 6A SS HP AF
REL 3602 Classics of Judaism - 6A MW
REL 3611 History of Judaism
REL 3613 Modern Judaism - 6A MW LW
REL 3635 History of Writing
REL 3900 Directed Readings
REL 3936 Selected Topics
REL 4113 The Hero and Religion - 6A MW
REL 4133 Mormonism in America - MW
REL 4160 Egyptian Religion
REL 4161 Religion, Technology and Society
REL 4171 Contemporary Christian Ethics - 6A MW
REL 4177 Comparative Religious Ethics - 6A MW LW
REL 4183 Comparative Mesoamerican Religions
REL 4221 Who Wrote the Bible (Genesis-Kings) - 6A MW LW
REL 4250 Jesus’ Life and Teachings
REL 4333 Hinduism
REL 4334 Buddhism in India, Sri Lanka, and South East Asia
REL 4344 Buddhism in China, Japan, and Tibet
REL 4626 Reason in Religion: Talmudic Logic - MW
REL 4670 Judaism and Christianity After the Holocaust - 6A MW
REL 4910 Undergraduate Research
REL 4930 Selected Topics
REL 4931 Seminar in Religion
REL 4936 Selected Topics
REL 4939 The Development of Religious Studies
Social Work

SOW 3101 Human Behavior and the Social Environment I (4)
SOW 3102 Human Behavior And The Social Environment II (4)
SOW 3203 The American Social Welfare System -SS (3)
SOW 3302 Introduction to Social Work (3)
SOW 3401 Research and Statistics For Social Work (4)
SOW 4233 Social Welfare: Policy & Program (3)
SOW 4341 Multi-Methods of Social Work Practice I: Micro-System Intervention (5)
SOW 4343 Multi-Methods of Social Work Practice II: Macro-System Intervention (5)
SOW 4510 Integrative Seminar (3)
SOW 4510L Field Placement (6)
SOW 4522 Senior Seminar: Multicultural America (3)
SOW 4900 Directed Readings (1-9)
SOW 4910 Directed Research (1-6)
SOW 4930 Variable Topics in Social Work (1-3)
SOW 5930C Selected Topics in Social Work (1-4)

Sociology

SYA 3010 Classical Theory (3)
SYA 3015 Contemporary Theory (3)
SYA 3300 Research Methods (3)
SYA 3310 Qualitative Inquiry -6A LW (3)
SYA 3700 Sociology of Sexualities (3)
SYA 4910 Individual Research (1-3)
SYA 4930 Topics in Sociology (3)
SYA 4935 Senior Seminar -MW (3)
SYA 4949 Sociological Internship (1-6)
SYD 3441 Peasant Perspectives -AF (3)
SYD 3700 Racial and Ethnic Relations -SS HP (3)
SYD 4020 Global Population (3)
SYD 4410 Urban Sociology (3)
SYD 4800 Gender and Society (3)
SYG 2000 Introduction to Sociology -SS (3)
SYG 2010 Contemporary Social Problems -SS (3)
SYG 2412 Marriage (3)
SYG 3235 Latina Lives (3)
SYO 3120 Sociology of Families (3)

SYO 3200 Sociology of Religion (3)
SYO 3500 Social Organization (3)
SYO 3530 Social Stratification (3)
SYO 4300 Political Sociology (3)
SYO 4370 Occupations and Professions (3)
SYO 4400 Medical Sociology (3)
SYO 4430 Disability and Society -MW (3)
SYP 3000 Social Psychology -SS (3)
SYP 3562 Family Violence (3)
SYP 4420 Consumer Culture -MW LW (3)
SYP 4510 Sociological Aspects of Deviance (3)
SYP 4530 Sociology of Juvenile Delinquency (3)
SYP 4640 Leisure in Society (3)
SYP 4650 Sport in Society (3)

Women's Studies

POS 4693 Women and Law I (3)
POS 4694 Women and Law II -6A MW (3)
PUP 4323 Women and Politics -6A MW (3)
SOP 3742 Psychology of Women -SS (3)
WST 3010 Introduction to Women's Studies -SS AF (3)
WST 3011 Issues in Feminism -SS (3)
WST 3210 Women in Western Civilization I -6A HP (3)
WST 3220 Women in Western Civilization II -HP (3)
WST 3225 Women, Environment and Gender -MW (3)
WST 3340 Women and Social Action -SS (3)
WST 4260 Research Issues on Women of Color -6A LW (3)
WST 4262 Literature by American Women of Color -6A LW (3)
WST 4263 Third World Women Writers -6A LW (3)
WST 4310 Feminism in America -6A MW (3)
WST 4320 Women's Body/Woman's Mind (3)
WST 4335 Women and Film (3)
WST 4342 Classics in Feminist Theory -MW (3)
WST 4350 Women and Science -MW (3)
WST 4900 Directed Readings (1-3)
WST 4910 Directed Research (1-3)
WST 4930 Selected Topics (1-4)
WST 4935 Seminar in Women's Studies (3)
WST 5308 Feminist Spirituality (3)
WST 5934 Selected Topics (1-4)
The College of Business Administration offers courses of study leading to both undergraduate and graduate degrees. All degree programs in the College of Business Administration are fully accredited by the American Assembly of Collegiate Schools of Business (AACSB).

The undergraduate curriculum which leads to a Bachelor of Arts or Bachelor of Science degree is composed of several segments: (1) broad general education in the arts, humanities and sciences; (2) the common body of knowledge for management responsibilities; and (3) specialized areas of concentration in Accounting, Economics, Finance, Management, Marketing, General Business, and Management Information Systems. Through flexibility in its requirements, the College is able to satisfy the different interests and career objectives of students with diverse backgrounds. Graduate programs in the College are described in the USF Graduate Catalog.

The College of Business Administration (COBA) is located near the corner of Maple Street and Alumni Drive on the south-central side of campus. To access information about the College of Business online, use the following web address: http://www.coba.usf.edu.

Mission

The USF College of Business Administration will provide high quality programs preparing students to contribute to and take leading positions in business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the community.

Undergraduate Admission to the College of Business

Admission to the College of Business Administration is based upon availability of faculty and space within each discipline. The College of Business Administration is an upper-level limited access college, which means that it has admission requirements in addition to those of the University in general. Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program. Students interested in pursuing a degree in the areas offered by the College of Business must complete the required prerequisites for entering the college in addition to other related criteria (listed in 1-4 below).

Requirements for Entering the College of Business

1. Before declaring a major in the College of Business, students must satisfy the following criteria:
   a. Minimum of 60 semester hours of college credit earned.
   b. Minimum of 2.5 cumulative grade point average on all college-level work and minimum 2.0 on all credit attempted at USF including any prior to renewal.
   c. Completion of the following State Mandated Common Prerequisites (or equivalents) with a grade of C or higher:
      ACG X021 Financial Accounting
      ACG X023 Managerial Accounting
      (not required of students majoring in Accounting)
      CGS X100 Computers in Business
      (or acceptable substitute)
      ECO X013 Principles of Macroeconomics
      ECO X023 Principles of Microeconomics
      MAC X233 Elementary Calculus or MAC 2230
      STA X023 Introductory Statistics or QMB X100

   *Accounting majors are not required to take ACS 2071 and may enroll in ACS 3103 upon completion of ACG 2021 and admission to the college of Business Administration.

2. Students working toward meeting the limited access criteria will be permitted to enroll in all foundation courses in Business (listed below) except GEB 4890, provided they have completed 60 semester hours and have met course prerequisites.

3. A minimum score of 550 on paper & pencil or 213 on computerized TOEFL is required, when applicable.

4. Students must be admitted to the College of Business Administration at least one term before their anticipated graduation date.

Transfer Students

Transfer credits will be accepted from accredited institutions; however, all hours earned may not be applied toward USF business degree requirements. Individual courses will be evaluated by an academic advisor and appropriately credited toward requirements in the student's program at USF.

Florida public junior/community college students enrolled in an associate of arts (AA) program should normally complete the general education requirements and the State Mandated Common Prerequisites at the junior/community college. As a rule, AA students should avoid taking any business courses at the junior/community college which are listed as 3000 and 4000 level courses at USF. Normally, courses in finance, marketing, management, and accounting as well as other business administration and economics courses taken at the lower division level which are offered as upper division courses at USF will not be accepted for upper division credit in business administration or economics. Exceptions to this policy will be made only upon prior approval of such coursework. Validation consists of CLEP or other written examinations prepared and administered by the College of Business Administration or by successfully completing specified advanced courses in the discipline.

Florida public junior/community college students pursuing an associate of science (AS) program must be aware that some courses taken at the junior/community college may not be acceptable for credit in the baccalaureate programs. Students pursuing an AS program should see an advisor to determine the transferability of course work.

BACHELOR'S DEGREE PROGRAMS

General Requirements for B.A./B.S. Degree in Business Administration

Students must satisfactorily complete a minimum of 120 semester hours. Of the minimum 120, at least 60 hours must be business courses, and a minimum of 54 hours must be non-business courses (i.e., all courses not normally offered in the College of Business Administration). Additional electives may be required to reach a minimum of 120 hours and may be either business or non-business.

As a part of the 120-hour requirements for the B.A. or B.S. degree, the following criteria also apply:

GPA: A minimum grade-point average of 2.0 must be achieved in the major and/or minor field, as well as in all college work and in all USF work, for students to be certified for graduation.

CLAST and Gordon Rule: Students must have satisfactorily completed CLAST and the writing and computation course requirements of 6A-10.30 ("Gordon Rule").

Foreign Language: For a Bachelor of Arts degree, students must demonstrate competency in a foreign language (refer to the Academic Policies and Procedures section of this catalog). The College of Business does not approve American Sign Language for the Foreign Language Exit Requirement.

Residency: Note that College of Business Administration residency requirements for graduation exceed the minimum requirements established for USF. Students are required to complete satisfactorily at USF a minimum of 50 percent (30-33
DEGREE REQUIREMENTS

NON-BUSINESS (54 hrs. minimum) Semester Hours

1. General Education Requirements*
   a. English Composition 6
   b. Quantitative Methods (Calculus is required) 6
   c. Natural Sciences 6
   d. Social Sciences 6
   e. Historical Perspectives 6
   f. Fine Arts 6
   g. African, Latin American, Middle Eastern, or Asian Perspectives 3
   Total 36

2. Liberal Arts Exit Requirements* 9
   a. Major Works and Major Issues 6
   b. Literature and Writing 3
   Total 9

3. Speech/Writing Requirements for Business Majors
   a. Public Speaking 3
   or
   COM 3110 Communication for Business and the Professions 3
   b. ENC 3213 Professional Writing 3
   or
   ENC 3310 Expository Writing or equivalent 3
   Total 6

4. Additional elective credits
   Students may or may not need to take additional hours to meet the minimum of 54 non-business credits
   (see "Electives" heading below for a suggested course)

Total non-business credit hours 54

BUSINESS (60-69 hrs. minimum)

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

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

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

Minimum Business Credits 60-69

ELECTIVES IN BUSINESS OR NON-BUSINESS

Sufficient elective courses to reach a minimum of 120 hours
(ranges from 0-6 credit hours if above requirements are met)
Minimum total hours 120

USF Campuses and Teaching Sites
Due to limited enrollment and faculty, only the following majors are regularly offered at the regional campuses:
- St. Petersburg: Accounting, Finance General Business Administration, and Information Systems Management
- Sarasota: Accounting and General Business Administration
- Lakeland: Accounting and General Business Administration

North Pinellas Teaching Site (at St. Petersburg Junior College, Clearwater): offers a full General Business Administration program with evening courses.

Students may need to travel from one USF campus to another in order to finish their particular program within a shorter time period.

Student Advising and Records
The Office of Undergraduate Advising and Programs (located in Ferguson Hall) provides the following services for College of Business Administration students:

1. Processing of student admission applications for the College of Business.
2. Academic advising and program information.
3. Orientation for undergraduate pre-business students.
4. Evaluation of undergraduate transcripts of transfer students.
5. Maintenance of academic advising records for all admitted students.

Advising Offices
- Tampa Campus: Students who have under 30 credit hours of pre-business courses should contact the Center for Academic Advising, SVC 2011, (813) 974-2645. Potential majors with more than 30 credit hours should visit BSN 1406, (813) 974-4290 or schedule an advising appointment on-line: http://www.coba.usf.edu/services/ugrad/index.html.
- St. Petersburg Campus: DAV 134, (727) 553-1511
- Sarasota Campus: PMC 101, (941) 359-4331/4330
- Lakeland Campus: LLC 2100, (863) 667-7063

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

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

Academic Dismissal
Students who have been dismissed twice from the University for academic reasons will not be readmitted to the College of Business Administration.

DEPARTMENTS AND PROGRAMS

• GENERAL BUSINESS (GBA)

The General Business Major is a program of study that will allow the student to take additional upper-level course work in several business and, in some instances, other disciplines related to the student’s plan of study.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program as listed in the General Requirement section, students must complete a minimum of 18 hours of upper-level courses beyond the foundation coursework in business. Students are required to take one upper-level course from each of the following groups:

Accounting:
- ACG 3103 Intermediate Financial Accounting I
- ACG 3341 Cost Accounting and Control I
- TAX 4001 Concepts of Federal Income Taxation
Requirements for a Minor in Business Administration (Non-Business Majors Only): Students are required to process an application for the minor in the College of Business. Students must complete an introductory computer course (with a content similar to CGS 2100 Computers in Business) or obtain a waiver for this requirement from the College of Business Administration by demonstrating competence in the use of computers.

1. The course requirements are as follows:
   - ACG 3074 Managerial Accounting for Non-Business Majors*
   - ECO 1000 Basic Economics**
   - FIN 3403 Principles of Finance
   - MAN 3025 Principles of Management
   - MAN 40XX Managerial Applications (see advisor)
   - MKT 3023 Basic Marketing

2. A grade point average of 2.0 or better must be achieved in the minor course work taken at USF and in all minor courses completed at any institution.

3. At least 12 credit 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 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.

Required Accounting Courses:
- ACG 3103 Intermediate Financial Accounting I
- ACG 3113 Intermediate Financial Accounting II
- ACG 3341 Cost Accounting and Control I
- ACG 3401 Accounting Information Systems
- ACG 4632 Auditing I
- TAX 4001 Concepts of Federal Income Taxation

Electives (9 hours selected from):
- ACG 4123 Intermediate Financial Accounting III
- ACG 4351 Cost Accounting and Control II
- ACG 4642 Auditing II
- ACG 4931 Selected Topics
- ACG 4932 Honors Accounting Seminar
- ACG 5201 Advanced Financial Accounting
- ACG 5501 Governmental/Not-for-Profit Accounting
- ACG 5671 Internal and Operational Auditing
- TAX 5015 Federal Taxation of Business Entities

Total 18-24

ECONOMICS (ECN)

Economics offers a clear and logical approach to business decision-making. The department offers broad course choices allowing students to tailor their programs to provide training for careers in business as well as teaching, government, and law. Students interested in majoring or minoring in economics should contact the Undergraduate Advisor in the Economics Department for more information.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program as listed in the General Requirements section, students must complete a minimum of 18 hours of upper-level economics beyond the foundation courses for business.

Required Economics Courses:
- ECO 3203 Intermediate Income & Monetary Analysis
- ECO 3100, ECO 3101 or ECO 3203 is a prerequisite.

Total 18

Students must obtain a grade of "C" or higher in ECO 3100. Managerial Economics or ECO 3101 Intermediate Price Theory to enroll in any course for which ECO 3100 or ECO 3101 is a prerequisite. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914. At least 12 hours must be taken in residence at USF.

Requirements for a Minor in Economics: Students throughout the University may earn a minor in Economics by satisfactorily completing 18 hours in Economics. The requirements are:

1. ECO 2013 Economic Principles: Microeconomics
2. ECO 2023 Economic Principles: Macroeconomics
3. Three upper-level economics electives (including QMB 3200)

Total Economics Hours 18
Business majors may obtain a minor with only 6 additional upper-level hours in economics beyond the foundation requirements for business.

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

3. A grade point average of 2.0 or higher must be achieved in minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor.

4. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum
Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.

Beyond ECO 2013 Economic Principles: Macroeconomics and ECO 2023 Economic Principles: Microeconomics, students should elect ECP 4451 Law and Economics, ECP 3413 Economics of Regulation and Antitrust and ECP 4505 Economics of 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-based, analytical program for students anticipating a career in the management of both large and small organizations. Finance provides a good background for students seeking general careers in business. Finance majors can elect to follow tracks that prepare them for entry and advanced careers in:

- the financial management of corporations
- the management of financial institutions
- investments
- financial services, insurance, and real estate.

In addition, the program in Finance is designed to provide the skills required by students earning degrees in other business disciplines and by students who seek professional degrees in areas such as law and public administration.

The Finance program offers applied and theoretical courses to enable the graduate to identify and solve problems in the acquisition and allocation of funds by organizations in the public and private sectors in domestic and international settings. It provides the background necessary for managing wealth in a risky environment. Finance relies on an interdisciplinary approach that draws on economic theory, accounting, information systems and the quantitative decision frameworks of statistics and mathematics.

The major is designed to insure that graduates are familiar with the tools of financial decision-making and that they possess the skills to stay abreast of the developments in the field. Finance graduates will understand the functions and operations of financial markets, will become familiar with computer applications in finance, and will know how to access and utilize financial information. Course content is designed to provide majors with an appreciation of cooperative work skills and to enhance their verbal and written communication skills.

Requirements for the B.A./B.S. Degree:
Within the 120 semester hour program listed in the General Requirements section, students must complete a minimum of 18 hours of upper-level finance courses beyond FIN 3403.

<table>
<thead>
<tr>
<th>Required Finance Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 4303 Financial Institutions and Markets</td>
</tr>
<tr>
<td>FIN 4414 Advanced Corporation Finance</td>
</tr>
<tr>
<td>FIN 4504 Principles of Investments</td>
</tr>
</tbody>
</table>

Additional upper-level Finance electives: 9-15
Total: 18-24

Finance electives can be selected from among those 3000 and 4000 level classes marked with FIN, RIM, and other prefixes.

At least two electives must have an FIN prefix. Independent Study (FIN 4905) and Independent Research (FIN 4915) will not be accepted as credit toward the minimum degree requirements for a major in Finance. The following Finance tracks are recommended for students with specific interest in the following career areas:

Corporate Financial Management
- FIN 3604 International Finance
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

Management of Financial Institutions
- FIN 3233 Money and Banking
- FIN 3604 International Finance
- FIN 4324 Bank Management
- FIN 4412 Working Capital Management
- FIN 4443 Financial Policies and Strategies

Investments
- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 4303 Real Estate Investment Analysis

Financial Services
- FIN 3604 International Finance
- FIN 4514 Advanced Investment Analysis & Management
- REE 3043 Real Estate Decision-Making
- REE 4303 Real Estate Investment Analysis
- RMI 3011 Principles of Insurance

Requirements for a Minor in Finance (for Business Majors only): Students majoring in Business Administration can minor in Finance. The requirements are:

1. FIN 4504 Principles of Investments
2. FIN 4303 Financial Institutions and Markets
3. FIN 4414 Advanced Corporation Finance

Another upper-level Finance Elective with an FIN, RIM, or other prefix

Total Finance Hours: 12

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at any institution.

3. At least 9 of the required 12 credit hours must be taken in residence at USF.

INFORMATION SYSTEMS AND DECISION SCIENCES (ISM)
The Management Information Systems (MIS) major provides the skills and knowledge necessary for information systems development and support positions in both business and non-business organizations.

Requirements for the B.A./B.S. Degree: Within the 120 semester hour program listed in the General Requirements section, students must complete a set of six MIS courses and two approved MIS electives. MIS majors must earn a "C" or better in all required MIS courses; they can use grade forgiveness for only one upper-level MIS course.

Required MIS Courses:

| ISM 3230 Introduction to Business Application | 3 |
| ISM 3232 Adv. Business Application Development** | 3 |
| ISM 3113 Systems Analysis and Design* | 3 |
| ISM 4212 Database Administration | 3 |
| ISM 4220 Business Data Communications | 3 |
| ISM 4300 Managing Information Resources | 3 |
| Approved MIS Electives*** | 6 |

Total: 24

*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.
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
2. ISM 3113 Systems Analysis and Design (PR/Cr ISM 3230) 3
3. Plus, any 2 of the following: 6
   - ISM 3232 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 toward the management major.

Students are encouraged to seek additional curriculum advice from the Management Department.

Requirements for a Minor in Management (for Business Majors Only): Students majoring in Business Administration may minor in Management.

The requirements are:
1. MAN 3240 Organizational Behavior Analysis 3
2. Management electives approved by department chair 9
3. Total Management hours 12
4. 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.
5. 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 by a wide variety of organizations offering a product or service. Many marketing concepts are applicable to the operations of non-profit organizations such as governmental, educational, and health care institutions as well as charitable and political campaigns.

Marketing operations provide the most visible links between the firm or institution and its many publics. Marketing in the end deals with people, who are constantly changing in their needs, wants, and desires; and coupled with these changing tastes is a fiercely competitive environment sustained by all the resources of a rapidly evolving technology. These forces lead to much of the challenge, to much of the dynamic nature of marketing.

The marketing program at USF prepares students for initial entry and management positions in many areas of marketing with a curriculum that is concerned with:
1. Understanding how to attract and retain customers;
2. Having the ability to find and analyze information;
3. Being able to design, collect, and analyze marketing information to be used in managerial decision making;
4. Using electronic and traditional media to create satisfied loyal customers;
5. Having personal communication skills that businesses demand;
6. Being capable of writing a winning marketing plan;
7. Understanding and being able to apply the latest marketing concepts.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program as listed in the General Requirements section, students must complete a minimum of 18 hours in marketing beyond MAR 3023.

Required Marketing Courses:
- MAR 3823 Marketing Management 3
- MAR 3613 Marketing Research 3
- MAR 3400 Professional Selling 3
- MAR 4333 Electronic/Promotion Management 3
- MAR 4824 Marketing Management Problems 3
- Additional upper-level marketing courses 3-9
Total 18-24

It is strongly recommended that marketing majors take an internship course as part of their plan of study. It is also recommended that courses in information technology, finance, management, and international business be included in business electives. In addition, it is recommended that students include courses in speech, social sciences, and communication as part of general electives.

Undergraduate students in the College of Business not majoring in Marketing can greatly enhance their attractiveness to employers by taking a minor in Marketing or taking selected courses from the Marketing curriculum to broaden their background. Marketing is particularly complimentary for College of Business students majoring in Information Technology, Finance, and Management. For non-business majors, Marketing is very complimentary with degrees such as communications, liberal arts, and engineering.

Requirements for a Minor in Marketing (For Business Majors Only): The requirements are:
1. MAR 3823 Marketing Management 3
2. Any 3 upper level Marketing courses with a MAR prefix (excluding MAR 4824) 9
3. Total Marketing Hours 12
4. 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.
5. At least 9 hours of the required 12 credit hours must be taken in residence at USF.

INTERNATIONAL PROGRAMS

Certificate in International Business

The Certificate in International Business provides students with the perspectives, knowledge, skills and experience necessary for successful careers in today’s global environment. A statement recognizing the completion of the Certificate in International Business will appear on the student’s official transcript.
To qualify for the Certificate in International Business students must satisfy the requirements for one of the undergraduate major degree programs in Business Administration, and also complete sufficient additional course work to attain a minimum of 18 semester credit hours of upper-level international business or approved related course work. With approval, international courses taken to meet degree requirements may also be used to meet the 18 semester credit hour certificate requirement. At least 12 of the 18 semester credit hours of international courses must be selected from a set of approved international business courses (see below). Up to 6 of the 18 semester credit hours in the certificate may be selected from approved area studies courses, or other courses taken outside the College which are relevant to the student’s international area of interest. At least 12 semester credit hours of the course work in the Certificate in International Business program must be taken at USF. A grade point average of 2.0 or higher must be achieved in certificate course work taken at USF, as well as in any transfer work applicable to the certificate program. In addition to the specified course requirements, competency to effectively communicate in a foreign language must be demonstrated. The USF Division of Languages will normally evaluate language competency. Students are required to choose a specific region of the world as the focal point for the area studies and language aspects of their programs.

Minor in International Business

Students Majoring in Business Administration

To qualify for the minor in International Business, students with a major in one of the undergraduate degree programs in Business Administration must successfully complete a minimum of 12 hours of international business or related course work. At least nine semester credit hours in the minor must be selected from a set of approved upper-level international business courses (see below). One of the courses in the minor relevant to the student’s international area of interest, may be an approved area studies course, or other course, taken outside the College. A minimum of nine semester hours of the minor course work must be taken at USF. A grade point average of 2.0 or higher must be achieved in minor course work taken at USF, as well as in any transfer work applicable to the minor. Competency to effectively communicate in a foreign language is strongly advised.

Non-Business Administration Majors

To qualify for the International Business minor, non-business majors must complete the requirements for the minor in Business Administration (see previous Requirements for a Minor in Business Administration) and, in addition, complete at USF a minimum of nine semester credit hours selected from a set of approved upper-level international business courses (see below). A grade point average of 2.0 or better must be achieved in the minor course work taken at USF, as well as in any transfer work applicable to the minor program. Competency to communicate in a foreign language is strongly advised. A statement attesting to the completion of the Minor in International Business will appear on the student’s official transcript.

Courses Approved for the Certificate in International Business and the Minor in International Business

The following courses are currently approved for the International Business major and minor:

**ECO 3703** International Economics
**ECO 4713** International Monetary Economics
**ECO XXX** Economics of Latin America
**FIN 3604** International Finance
**MAn 4500** International Management
**MAn 4156** International Marketing

Other courses will be added as they are developed and approved. In addition, the College currently offers *Selected Topics* courses that qualify for the International Business certificate and minors. Students should consult with an advisor for additional approved courses.

Recommendations for Students Interested in International Business

To increase the quality and number of initial job opportunities and to enhance longer-term career objectives students are strongly advised to:

- Couple their study of international business with a major or minor in one of the functional areas of business. The combination of international business and one of the traditional functional areas of business administration is a very attractive set of qualifications in the marketplace.
- Include an international internship and/or overseas study experience in the program. With careful planning, a student can complete an area studies course, an international business course, and language training in a single term of relatively inexpensive study abroad. More information is available from the Business Undergraduate Programs Office and the Center for International Business.
- Maintain a portfolio of international academic and professional activity. Information on the content of such a portfolio is available from the International Business Programs Office.

Student Organizations within the College of Business

All students are encouraged to participate in extracurricular activities. The following organizations provide a means for students to develop both professionally and socially while attending the College of Business Administration.

**Alpha Kappa Psi** - Provides a forum for leadership development in preparation for careers in all areas of business. Alpha Kappa Psi is a progressive, coed, professional business fraternity.

**Association of Marketing Students** - As a collegiate chapter of the American Marketing Association, this organization will help students advance their careers through learning and development while in USF.

**Beta Gamma Sigma** - An honor society that encourages and rewards outstanding scholarship among business students.

**Business College Council** - Representatives from each of the major fields advise the Dean of the College and the faculty on student attitudes and goals. Also, the Council acts as a liaison between the Student Government Association and the College of Business Administration.

**Delta Sigma Pi** - Fosters the study of business and a close association between students and the business world.

**International Business Board** - Promotes interest in international business, provides professional and cultural programs, and encourages dialogue regarding opportunities for study and work abroad.

**Management Information Systems Society** - Student chapters of the Data Processing Management Association, career oriented and interested in all areas of business data management.

**Minority Business Association** - Encourages and supports students in their efforts to achieve success in a demanding academic setting.

**National Association of Black Accountants** - Develops, encourages, and serves as a resource for greater participation by African-Americans and other minorities in the accounting and finance professions.

**Omicron Delta Epsilon** - The international economics society promoting outstanding achievements in economics and the establishment of closer ties between students and faculty.

**Pi Sigma Epsilon** - A professional society interested in marketing, sales, management, and selling.
BUSINESS ADMINISTRATION COURSES

GENERAL BUSINESS ADMINISTRATION

BUL 3320 Law And Business I (3)
BUL 3321 Law And Business II (3)
BUL 5331 Law and the Accountant (3)
GEB 2353 Doing Business Around the World -SS (3)
GEB 2936 Selected Topics in Business (1-6)
GEB 4890 Business Policy -MW (3)
GEB 4905 Independent Study (1-3)
GEB 4915 Independent Research (1-4)
GEB 4935 Selected Topics in Business Administration (1-4)

ACCOUNTING/LAW

ACG 2021 Principles of Financial Accounting (3)
ACG 2071 Principles of Managerial Accounting (3)
ACG 3074 Managerial Accounting for Non-Business Majors (3)
ACG 3103 Intermediate Financial Accounting I (3)
ACG 3113 Intermediate Financial Accounting II (3)
ACG 3341 Cost Accounting and Control I (3)
ACG 3342 Cost Accounting and Control II (3)
ACG 4123 Intermediate Financial Accounting III (3)
ACG 4351 Cost Accounting And Control II (3)
ACG 4501 Governmental/Not-For-Profit Accounting (3)
ACG 4621 Computer Control and Audit (3)
ACG 4632 Auditing I (3)
ACG 4642 Auditing II (3)
ACG 4901 Independent Study (1-3)
ACG 4911 Independent Research (1-4)
ACG 4931 Selected Topics In Accounting (1-4)
ACG 4932 Honors Accounting Seminar (3)
ACG 5201 Advanced Financial Accounting IV (3)
ACG 6675 Internal and Operational Auditing (3)
TAX 4001 Concepts of Federal Income Taxation (3)
TAX 5015 Federal Taxation of Business Entities (3)

ECONOMICS

ECO 1000 Basic Economics -SS (3)
ECO 2013 Economic Principles (Microeconomics) -SS (3)
ECO 2023 Economic Principles (Microeconomics) -SS (3)
ECO 2935 Selected Topics In Economics (1-3)
ECO 3100 Managerial Economics (3)
ECO 3101 Intermediate Price Theory (3)
ECO 3203 Intermediate Income & Monetary Analysis (3)
ECO 3622 American Economic History (3)
ECO 3703 International Economics -MW (3)
ECO 4105 Advanced Price Theory (3)
ECO 4201 Advanced Macroeconomic Theory (3)
ECO 4303 History Of Economic Thought (3)
ECO 4323 Radical Political Economy -MW (3)
ECO 4401 Introduction to Mathematical Economics (3)
ECO 4401 Introduction to Econometrics (1-3)
ECO 4504 Public Finance (3)
ECO 4713 International Monetary Relations (3)
ECO 4723 International Commercial Policies (3)
ECO 4905 Independent Study (1-3)
ECO 4914 Independent Research (1-3)
ECO 4935 Selected Topics in Economics (1-3)
ECO 4941 Selected Topics in Economics (1-3)
ECO 4956 The Economics of Women and Work -MW (3)
ECO 3203 Labor Economics (3)
ECO 3302 Environmental Economics -MW (3)
ECO 3413 Economics of Regulation and Antitrust (3)
ECO 3530 Economics of Health (3)
ECO 3613 Economics of the Urban Environment (3)
ECO 4232 Collective Bargaining and Public Policy (3)
ECO 4451 Law and Economics (3)
ECO 4506 Economics of Crime (3)
ECS 3013 Economic Development (3)
ECS 4003 Comparative Economic Systems -MW (3)

FINANCE

FIN 2104 Personal Finance (3)
FIN 2106 Introduction to Investments (3)
FIN 2935 Selected Topics in Finance (1-6)
FIN 3233 Money and Banking (3)
FIN 3403 Principles of Finance (3)
FIN 3604 International Finance (3)
<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>FIN 4245</td>
<td>Federal Reserve System and Monetary Policy</td>
<td>3</td>
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<tr>
<td>FIN 4303</td>
<td>Financial Institutions and Markets</td>
<td>3</td>
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<tr>
<td>FIN 4324</td>
<td>Bank Management</td>
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<tr>
<td>FIN 4412</td>
<td>Working Capital Management</td>
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<tr>
<td>FIN 4414</td>
<td>Advanced Corporation Finance</td>
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<tr>
<td>FIN 4443</td>
<td>Financial Policies and Strategies</td>
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<tr>
<td>FIN 4504</td>
<td>Principles of Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Advanced Investment Analysis and Management</td>
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<tr>
<td>FIN 4905</td>
<td>Independent Study</td>
<td>(1-3)</td>
</tr>
<tr>
<td>FIN 4915</td>
<td>Independent Research</td>
<td>(1-3)</td>
</tr>
<tr>
<td>FIN 4934</td>
<td>Selected Topics in Finance</td>
<td>(1-3)</td>
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<tr>
<td>REE 3043</td>
<td>Real Estate Decision Making</td>
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<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
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<tr>
<td>RMI 3011</td>
<td>Principles of Insurance</td>
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<tr>
<td>RMI 4115</td>
<td>Life, Health, And Disability Insurance</td>
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<td>RMI 4120</td>
<td>Property Insurance</td>
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<tr>
<td>RMI 4220</td>
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**INFORMATION SYSTEMS AND DECISION SCIENCES**

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<td>CGS 2100</td>
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<tr>
<td>ISM 3011</td>
<td>Management Information Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 3113</td>
<td>Systems Analysis and Design</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 3230</td>
<td>Introduction to Business Application Development</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 3232</td>
<td>Advanced Business Application Development</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 3431</td>
<td>Management Science Production/Operations Management Applications</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 4133</td>
<td>Advanced Systems Analysis and Design</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 4212</td>
<td>Database Design and Administration</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 4213</td>
<td>Advanced Database Administration</td>
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</tr>
<tr>
<td>ISM 4220</td>
<td>Business Data Communications</td>
<td>(3)</td>
</tr>
<tr>
<td>ISM 4233</td>
<td>Information System Interface Design</td>
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</tr>
<tr>
<td>ISM 4234</td>
<td>Object-Oriented Design and Development</td>
<td>(3)</td>
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<tr>
<td>ISM 4240</td>
<td>Distributed Operating Systems</td>
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<tr>
<td>ISM 4290</td>
<td>Senior Seminar in Information Systems</td>
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<tr>
<td>ISM 4300</td>
<td>Managing Information Resources</td>
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<tr>
<td>ISM 4320</td>
<td>Information Systems Controls</td>
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<tr>
<td>ISM 4400</td>
<td>Decision Support Systems Applications-Computer Assisted Decision Making</td>
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</tr>
<tr>
<td>ISM 4480</td>
<td>Electronic Commerce Systems</td>
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</tr>
<tr>
<td>ISM 4905</td>
<td>Independent Study</td>
<td>(1-6)</td>
</tr>
<tr>
<td>ISM 4930</td>
<td>Selected Topics in MIS</td>
<td>(1-3)</td>
</tr>
<tr>
<td>ISM 4950</td>
<td>Independent Research</td>
<td>(1-6)</td>
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<tr>
<td>MAN 4504</td>
<td>Operations Management: A Systems Approach</td>
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<tr>
<td>MAN 4507</td>
<td>Operation Production Systems</td>
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<tr>
<td>QMB 2100</td>
<td>Business And Economic Statistics I -6A QM</td>
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<tr>
<td>QMB 3200</td>
<td>Business And Economic Statistics II</td>
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<tr>
<td>QMB 4600</td>
<td>Quantitative Approach for Business Decisions</td>
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**MANAGEMENT**

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<tr>
<td>MAN 3025</td>
<td>Principles of Management</td>
<td>(3)</td>
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<tr>
<td>MAN 3240</td>
<td>Organizational Behavior Analysis</td>
<td>(3)</td>
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<td>MAN 3301</td>
<td>Human Resource Management</td>
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<td>MAN 3401</td>
<td>Industrial Relations</td>
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<td>MAN 4120</td>
<td>Managerial Behavioral Laboratory</td>
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<td>MAN 4129</td>
<td>Theory and Practice of Management Skills</td>
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<td>MAN 4280</td>
<td>Organizational Development and Change</td>
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<td>MAN 4282</td>
<td>Organizational Assessment</td>
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<td>MAN 4402</td>
<td>Employment Laws</td>
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<td>MAN 4430</td>
<td>Seminar in Negotiations and Administration of Labor Agreements</td>
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<tr>
<td>MAN 4600</td>
<td>International Management</td>
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<td>MAN 4802</td>
<td>Entrepreneurship and Small Business Management</td>
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<td>Small Business Management Counseling</td>
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<td>MAN 4930</td>
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**MARKETING**

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<td>MAR 3023</td>
<td>Basic Marketing</td>
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<tr>
<td>MAR 3400</td>
<td>Professional Selling</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Research</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 3823</td>
<td>Marketing Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4203</td>
<td>Channels Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4213</td>
<td>Logistics and Physical Distribution Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4333</td>
<td>Promotion Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4403</td>
<td>Sales Management</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4453</td>
<td>Business to Business Marketing</td>
<td>(3)</td>
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<td>MAR 4503</td>
<td>Buyer Behavior</td>
<td>(3)</td>
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<tr>
<td>MAR 4824</td>
<td>Marketing Management Problems</td>
<td>(3)</td>
</tr>
<tr>
<td>MAR 4903</td>
<td>Independent Research</td>
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<td>MAR 4905</td>
<td>Independent Study</td>
<td>(1-3)</td>
</tr>
<tr>
<td>MAR 4933</td>
<td>Selected Topics In Marketing</td>
<td>(1-3)</td>
</tr>
</tbody>
</table>
The College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE). All Teacher education programs must meet the requirements of Chapter 6A-5, Rules of the State Board of Education of Florida, and have "Approved Program" status.

The Mission of the College is to "improve the preparation of teachers, other professional educators, and professional support personnel and to discover improved teaching, learning, and leadership techniques through research and practice."
The College emphasizes student learning outcomes relevant for the world of the 21st century. Program goals focus on graduating highly competent teachers who reflect on their own professional practice, who have a deep interest in intellectual inquiry and who continue their professional development.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Each subdivision of the college maintains professional standards by participating in nationally-certified program reviews and also through ongoing departmental appraisals of learning outcomes.

The University follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent cooperative effort in planning and practice by faculties in appropriate academic areas. Liberal Arts courses and courses in the content areas are offered through the College of Arts and Sciences. Courses primarily designed for teacher candidates are taught by the College of Education faculty.

For information concerning prerequisites for education, students should consult the following "Departments and Programs" section or view the most recent on-line Community College Counseling Manual, accessible from the Undergraduate Studies site: http://www.ugs.usf.edu/catalogs.htm. Other important information is available from the College of Education website at http://www.coedu.usf.edu/.

### Preliminary Requirements for Students Entering Teacher Education Programs

Students who wish to teach in a particular subject area or field should begin preliminary coursework during their first year in college. However, students cannot be admitted to the College of Education (and into a teacher education program) until they finish the university's liberal arts freshman and sophomore requirements and the state-mandated common prerequisites for education.

After students finish prerequisite courses, they may apply for entrance into one of the upper-level teacher education programs offered by the College of Education. All students who plan to teach must apply for admission to a teacher education program through the Student Academic Services Office of the College of Education.

Admission to an upper-level teacher education program is contingent upon meeting the following Preliminary college requirements:

1. Completion of a College of Education application form.
2. Completion of the University's General Education requirements (36 cr. hrs.). (See "Liberal Arts Requirements" section of the catalog.) Note: Changes in Teacher Preparation Programs under consideration by the State Board of Education at the time of printing of this catalog may mandate major changes in the general education requirements, subject matter preparation and education courses effective Fall 2000. Such changes would supercede the information provided in this section of the catalog. Students should contact an academic advisor to make certain they are enrolled in courses appropriate to their intended major.
3. Completion of all portions of the CLAST with passing scores. No exemptions or waivers accepted.
4. Completion of State Mandated Common Prerequisites (24 cr. hrs.). Note: The following prerequisites are required for all education majors, but students should consult their intended majors (listed under "Departments and Programs," below) for a list of other specific course prerequisites and requirements beyond these listed below:

- **EDF X005 Introduction to Education** 3
- **EDG 2701 Teaching Diverse Populations** 3
- **EME 2040 Introduction to Educational Technology** 3
- Six hours of any combination of Communications, Mathematics, Natural and/or Physical Science, Fine Arts and/or Humanities, and Social Sciences
- Six (6) semester hours of courses with an international and/or diversity focus (in addition to EDG 2701). If these courses are taken elsewhere, the institution transferring credit to USF must certify that the course content satisfies the international/diversity focus requirement. Refer to the list below for courses which satisfy both the General Education and the international and/or diversity course requirements. (Consult an education advisor for approved, upper-level courses in Africana Studies, Geography, International Studies, Political Science, and Business Administration that meet the requirement but are not included below.)

#### International/Diversity Courses Credits

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<tr>
<th>Course</th>
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<td>Introduction to the Black Experience in Africa and Its Diaspora</td>
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<tr>
<td>AFS 2250</td>
<td>Culture and Society in Africa</td>
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<tr>
<td>AMH 2010</td>
<td>American History I</td>
<td>3</td>
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<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>3</td>
</tr>
<tr>
<td>AMS 20</td>
<td>Introduction to American Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>History of Visual Arts I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Visual Arts II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2025</td>
<td>Food: Personal and Global Perspectives</td>
<td>3</td>
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<tr>
<td>COM 2000</td>
<td>Introduction to Communication</td>
<td>3</td>
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<tr>
<td>EGN 7031</td>
<td>History of Technology</td>
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<td>EUH 2011</td>
<td>Ancient History I</td>
<td>3</td>
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<td>EUH 2021</td>
<td>Medieval History I</td>
<td>3</td>
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<td>EUH 2022</td>
<td>Medieval History II</td>
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<td>EUH 2031</td>
<td>Modern European History II</td>
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<td>FIL 2001</td>
<td>Film: Language of Vision</td>
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<td>GEO 1930</td>
<td>Geography of Current Events</td>
<td>4</td>
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<tr>
<td>GEO 2371</td>
<td>Introduction to Earth Systems Science</td>
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<td>INR 1015</td>
<td>World Perspective</td>
<td>3</td>
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<td>Latin American History in Film</td>
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<tr>
<td>LIT 2010</td>
<td>Introduction to Fiction</td>
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<td>LIT 2040</td>
<td>Introduction to Drama</td>
<td>3</td>
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<tr>
<td>MUL 2011</td>
<td>The Enjoyment of Music</td>
<td>3</td>
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<tr>
<td>MUH 2051</td>
<td>Folk and Traditional Music of World Cultures</td>
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<tr>
<td>MUH 2632</td>
<td>Music in the United States</td>
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<td>MUL 2111</td>
<td>Introduction to Music Literature</td>
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<td>POS 2080</td>
<td>The American Political Tradition</td>
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<td>REL 2300</td>
<td>Introduction to World Religions</td>
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<td>REL 2306</td>
<td>Contemporary World Religions</td>
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<td>REL 2500</td>
<td>History of Christianity</td>
<td>4</td>
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<td>SPT 2324</td>
<td>Women Writers of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
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</table>

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

Admission to programs will be based upon the applicant's performance on either test. If the number of applicants exceeds the capacity of a program, preference will be given to students with higher scores. 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 as may be established by each program. Credit requirements in each major include courses in the
following categories: Professional Education Core (25-30 cr. hrs.), Teaching Specialization Preparation (27-49 cr. hrs.), and Liberal Arts Exit Requirements (9 credit hours). For questions concerning General Education and Liberal Arts Exit Requirements, refer to the Liberal Arts Requirements section of the catalog. See specific requirements for each major listed in "Departments and Programs" below.

Additional Selection Criteria

Admission to some programs is based on additional selection criteria beyond the College requirements stated above. Some programs accept a limited number of students. Additionally, certain programs admit students only in a specified semester. Students should refer to the specific program descriptions in this catalog for additional admissions information and prerequisites. Information regarding admission requirements for programs may also be obtained from the Student Academic Services, College of Education (EDU 106).

Education Advising

Student Academic Services (SAS) is responsible for many of the processes and procedures that support the academic pursuits of students in the College. The department's major areas of responsibility include: Undergraduate Advising, Graduate Studies, Teacher Certification, and Internship. SAS is committed to serving the University community, and particularly students in the College of Education.

Students are ultimately responsible for knowing and fulfilling all university, college, and degree program requirements for graduation. Students are encouraged to make an appointment with an academic advisor each semester. For additional contact information, please call our office or visit our web site at http://www.coedu.usf.edu/sas/.

Advising Offices

Tampa Campus: EDU 106, (813) 974-1804
St. Petersburg Campus: DAV 134, (727) 535-1511
Sarasota Campus: PMC 101, (941) 359-4331 or 4330.
Lakeland Campus: LLC 2100, (800) USF-5636 (in state only), or (863) 667-7023

Office Hours: 9 a.m. - 5 p.m. Monday through Friday. Some offices are open before 9 a.m. or until 6, Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

Application Information:

(Only admitted USF students are eligible.) At USF-Tampa, the College of Education is located slightly east of the center of campus. In EDU 105. For general information, call (813) 974-1804 or USF-Tampa. Undergraduate students must first register and attend Orientation for the College of Education. During the College’s Orientation, students will complete the C.O.E. application, receive information about their degree program, and register for courses for their first semester. Regional campus students should call their appropriate campus for orientation and advising appointments.

Time Limitations

The College of Education may accept professional education and specialization coursework completed at this University or at other accredited institutions as follows:

1. Courses completed within the last five years may be accepted.
2. Courses completed over five years but less than ten years ago must have the approval of the chairperson from the department in which the equivalent course is taught.
3. Courses completed ten years ago or longer will count as elective credit only.

Qualifications for Internship Experience

The final internship experience involves observing and teaching in an early childhood, elementary, secondary, or exceptional classroom. Internship sites include the entire spectrum of sites available in the various counties served by USF. Special vocational sites are arranged through the Adult and Vocational Education Department. Other than Senior Seminar and EEX 4070, students may not enroll in additional courses during the semester in which the final internship occurs unless an exemption is granted through a petition.

Special requirements for enrollment in the final internship and seminar courses are:

1. Admission to the College of Education.
2. Completion of General Education, "Gordon Rule," and all other program prerequisites.
3. Completion of an application for the final internship by the deadlines noted below.
4. Elementary Early Childhood and Physical Education programs require completion of all professional education and specialization course work except for EEX 4070. Special Education programs require completion of all professional education and specialization coursework. Secondary and Vocational Education Programs require completion of the professional course sequence except for EEX 4070/EDF 4430 and a minimum of two thirds of the specialization coursework.
5. Elementary, Early Childhood, and Physical Education programs require a combined grade point average of 2.5 in professional education and specialization coursework as well as an overall USF GPA of 2.5. Special Education programs require an overall USF GPA of 2.5. Secondary and Vocational Education programs require a minimum GPA of 2.5 in professional education and specialization coursework or an overall USF GPA of 2.5.
6. Students must earn a "C" grade or higher in their required major courses. S/U grades will not apply toward qualifying for internship.

Applications for internship may be obtained by attending a workshop sponsored by the Office of Student Academic Services. Applications for Fall Semester are due the preceding January 15. Applications for Spring Semester are due the preceding June 15.

College Requirements for Graduation

To be certified by the College of Education for graduation, a student must have earned a minimum of 120 semester hours credit. A minimum overall USF grade-point average of 2.5 or a minimum GPA of 2.5 in teaching specialization courses and a minimum GPA of 2.5 in the Professional Education sequence is required. The Physical Education, Elementary, and Early Childhood programs require a combined grade point average of 2.5 in professional education and specialization as well as an overall USF GPA of 2.5. Satisfactory completion of the internship is also required. In order to graduate, prior to completion of the internship, the student must pass both the Subject Area (SAE) for the appropriate area and the Professional Education (PED) sections of the Florida State Teacher Certification Examination (FTCE). A student must also have completed the major requirements in a state-approved teacher education program (which includes general preparation, teaching specialization, and professional preparation). A minimum of 8 credits in professional courses in addition to internship and 12 credits in specialization courses must have been earned at USF. The student must complete a minimum of 30 hours after admittance to an upper-level program and must meet all University requirements.

Normally, the college will recommend the granting of a Bachelor of Science (BS) degree which includes a minimum of 12 credit hours of exit courses. To obtain a Bachelor of Arts (BA) degree, the student must complete Foreign Language Competency (see graduation requirements in front of catalog) and complete 9 hours of exit courses, 3 of which must be in Literature and Writing 3 of which must be offered outside the College of Education.
SunCoast Area Teacher Training Program (SCATT)

SCATT is an award-winning teacher training program designed to enhance the already outstanding teacher preparation programs currently offered within the College of Education. The Suncoast Area Teacher Training Program celebrates excellence in teaching while emphasizing professionalism in a diverse society. SCATT offers students a variety of activities, workshops, seminars and field trips to enrich their knowledge base as educators. The SCATT program offerings are based on the research on effective teaching strategies, and encourage reflective practice.

The entrance requirements for the program help identify those students who have demonstrated high levels of academic achievement, leadership potential and those who have a commitment to aspire to the highest standards of the teaching profession. To graduate as a SCATT student, individuals participate in activities each semester prior to final internship which extend "above and beyond" the requirements of their academic curricula. In addition, they are offered the opportunity to network with majors from programs other than their own. During final internship, SCATT students participate in management and professionalism. SCATT also helps prospective employers within the University's service area fill teaching positions with highly qualified graduates.

To apply to the SCATT program, students must be admitted to the College of Education in a program that requires a full-time internship experience, complete an application available from the SCATT office (located on the second floor of the David T. Anchin Center, just off the rotunda), and attend a scheduled interview Orientation to become familiar with the expectations of SCATT graduates. For further information come to the SCATT office, call (813) 974-2061, or visit our website at www.coedu.usf.edu/SCATT

BACCALAUREATE-LEVEL DEGREE PROGRAMS

The College of Education has programs leading to the Bachelor of Science degree in the following fields:

<table>
<thead>
<tr>
<th>Program</th>
<th>Department</th>
<th>Code</th>
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<td>Physics</td>
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<tr>
<td>Education</td>
<td>(BSS)</td>
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</table>

Specific Learning | Special Education (BLD) |
Disabilities      |
Art, Dance, Drama, and Music Education are offered in the College of Fine Arts.

DEPARTMENTS AND PROGRAMS

The College of Education is organized into 7 departments. Each department has one or more programs listed alphabetically in the following section.

Department of Leadership Development


BUSINESS AND OFFICE EDUCATION

The Business and Office Education curriculum is designed to serve students who wish to focus on the needs of today’s workplace and combine teaching with business experience while achieving initial teaching certification for grades 6-12.

Requirements for the B.S. Degree (BBE): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology (equivalent course or demonstrated competency may be substituted) 3
ACG 2021 Financial Accounting 3
ACG X001 Financial and Managerial Acctg. I* 3
and
ACG X011 Financial and Managerial Acctg. II* 3
ECO X013 Economic Principles (Macroecon.) 3
ECO X023 Economic Principles (Microecon.) 3
XXXXXXX Electives in Business Administration 3

*Course not available at USF

Prereq: EOG 1000, EOG 1001 or college level introductory course. At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Specialization Requirements (37 cr. hrs.): BTE 4948 Field-Based Seminar 3
BTE 4909 Directed Study 3
BTE 4911 Special Methods 3
BUL 3112 Business Law I 3
CSG 2000 Computers in Business I 3
DEC 4161 Program Management 3


**UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG**

**COLLEGE OF EDUCATION 139**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
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<td>ENC 3213</td>
<td>Professional Writing</td>
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<tr>
<td>EVT 4651*</td>
<td>Equity in the Schools and Workplace</td>
<td>3</td>
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<tr>
<td>FIN 3100</td>
<td>Personal Finance</td>
<td>3</td>
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<td>MAN 3025</td>
<td>Principles of Management</td>
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<td>Business Elective</td>
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<td>Word Processing</td>
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*Approved Liberal Arts Exit Requirement

**INDUSTRIAL-TECHNICAL EDUCATION**

Requirements for the B.S. Degree (BIT): In addition to the courses listed below, students must complete "Preliminary Requirements for Students Entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites) for both Tracks: These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

- EDF 4000 Introduction to Education (waived for ITE majors with certification and teaching experience) 3
- EDG 2701 Teaching Diverse Populations (completing EVT 4651 and EVT 4562 exempts ITE majors from this course) 3
- EME 2040 Introduction to Educational Technology (equivalent course or demonstrated competency may be substituted) 3
- XXX XXX Courses in an area of technological specialization 15

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international and/or diversity focus (See list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section.) Professional education courses taken at the community college will transfer as general electives.

**Areas of Specialization (Divided into 2 Tracks Below)**

**Industrial-Technical Education**

Enrollment in the Industrial-Technical Education program is restricted to persons with employment experiences qualifying them to teach in Industrial, Technical, Health Occupations, or Public Service areas.

Special provision is made for students to satisfy four (4) of the required six (6) years of work experience in a specific occupation by completing an Associate of Science degree program in a technological specialty or successfully completing an appropriate occupational competency exam.

Acceptability of work experience will be determined by the program advisor.

Students may validate up to 36 semester hours of credit through the Occupational Competency Testing Program, or appropriate licensure or certificate.

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

- ADE 4384 Working With Adult Learners 3
- EDF 3604 Social Foundations of Education 3
- EVI 4210* Program Management 4
- EVI 4360 Special Teaching Methods: Industrial-Technical Education 4
- EVT 4095 History & Principles of Vocational Education 4
- EVT 4084 Professional Development in Industrial Technical Education 3
- EVT 4165 Curriculum Construction: Industrial-Technical Education 4
- EVT 4365 Basic Teaching Methods in Vocational Education 4

**Technology Education**

Within the EVT program, students can pursue state certification in Technology Education. In general, students enrolling in the Technology Education program are expected to have successfully completed, at a community college, most of the technical laboratory courses required for Florida Teacher Certification. Teacher certification requires students to have 30 semester hours, with three (3) semester hours in each of the following areas: (a) materials and processes, (b) drafting and design, (c) energy, (d) graphics, (e) electronics, (f) construction, and (g) industrial systems.

Students entering this program will have their transcripts evaluated to determine if all technical course requirements have been met. If the student has not completed the technical course requirements, the deficiencies may be corrected by enrolling in the required course(s) at a community college. Since this evaluation procedure is unique to the Technology Education Program, the application for admission should clearly indicate the desired major field as Technology Education.

The program of studies includes both course work and extensive field experience in school settings. This is to enable students to integrate theory with teaching practice.

Technology Education students must complete the General Education Requirements of 36 semester hours, Prerequisites of 24 semester hours, the Professional Education Core Requirements of 25-30 semester hours, the Technical Course Requirements of 30 semester hours, and 19 semester hours in Adult and Vocational Education.

**Specialization and Professional Education Core (19 cr. hrs.):**

- EIA 3192 Technology Education and Society 4
- EIA 4360 Special Teaching Methods: Technology Education 3
- EVI 4210 Program Management: Industrial-Technical Education 4
- EVT 4165 Curriculum Construction: Industrial-Technical Education 4
- EVT 4365 Basic Teaching Methods in Vocational Education 4

Plus electives selected with advisor approval.

**Department of Childhood/ Language Arts/Reading Education**

The Childhood Education/Language Arts/Reading Education Department has the responsibility for the development and supervision of programs leading to the Bachelor of Science Degree in Early Childhood Education and Elementary Education.

Recommended prerequisites for admission to these programs include two American History courses, 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

Students may complete a state-approved program to be eligible for licensure in Early Childhood Education Pre-Kindergarten/Primary (age 3 - Grade 3). The current program of studies includes both coursework and extensive field experiences in early childhood settings to enable students to integrate theory with teaching practice. Upon successful completion of the required courses and the associated internships, Early Childhood majors will be eligible for certification in Pre-Kindergarten/Primary (age 3 - Grade 3).

ELEMENTARY EDUCATION PROGRAM

Students may complete a state-approved program to be eligible for certification in Elementary Education (Grades 1-6). Prerequisites and certification requirements are subject to change. The current program of studies includes both coursework and extensive field experience in elementary school settings to enable students to integrate theory with teaching practice.

EARLY CHILDHOOD AND ELEMENTARY EDUCATION PROGRAMS

Early Childhood and Elementary majors will be assigned to a specified sequence of courses to be followed throughout the program enrollment. All internships and field experiences must be successfully completed as a member of an internship team under the supervision of a faculty team leader. Students who withdraw from or who have unsatisfactory grades in the field experiences or internships must petition the department Professional Standards Committee before they will be allowed to repeat the internships.

Students must have an overall USF GPA of 2.5 and a GPA of 2.5 in the combined Professional Core and Teaching Specialization prior to final internship and graduation.

Part-time students (students planning to take 9 hours or less per semester) must meet program and internship requirements associated with the programs. These requirements include being available to participate in the internships during regular school hours.

• EARLY CHILDHOOD EDUCATION: PRE-KINDERGARTEN/PRIMARY

Requirements for the B.S. Degree (BEC): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

Communications, including a speech course (9 hours minimum)
Mathematics, excluding MAT 1033 and a computer course (9 hours minimum);
Natural and/or physical sciences, with at least one associated lab (9 hours minimum, including lab)
Humanities (9 hours minimum); and

Social sciences, including a psychology or human growth and development course (9 hours minimum)

Professional Education Core (33 cr. hrs.):
EDF 4111 Child Growth and Learning 3
EDC 4940 Senior Internship and Seminar 10-12
EEC 4936 Senior Seminar 2
EEC 4941 Field Experience I 3
EEC 4942 Field Experience II 3
EEC 4943 Field Experience III 3
EEE 4200 Young Children With Special Needs 3
EEE 4230 Assess., Eval., Reporting Progress 3
FLE 4315 Teaching LEP Students K-12 3
FLE 4316 Language Principles and Acquisition 2

Specialization (30 cr. hrs.):
ECC 4008 Literature in Early Childhood Education (Exit) 3
ECC 4203 Programs for Young Children 3
ECC 4211 Integrated Curriculum: Science and Mathematics 3
ECC 4212 Integrated Curriculum: Social Sciences/Humanities & Art 3
ECC 4300 Cognitive Experiences for Young Children 3
ECC 4303 Creative and Affective Experiences for Young Children 3
ECC 4408 Child, Family & Teacher Relations 3
ECC 4706 Language and Emerging Literacy 3
HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child 3
RED 4310 Early Literacy Learning 3

• ELEMENTARY EDUCATION

Requirements for the B.S. Degree (BEE): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3

Communications, including a speech course (9 hours minimum)
Mathematics, excluding MAT 1033 and a computer course (9 hours minimum), only courses with the prefixes MGF, MGT, MAC, and STA will qualify for courses in mathematics; Natural and/or physical sciences, with at least one associated lab (9 hours minimum, including lab)
Humanities (9 hours minimum); and
Social sciences, including a psychology or human growth and development course (9 hours minimum)

Professional Education Core (29 cr. hours):
The required courses in the professional education core are as follows:
EDF 3122 Learning and the Developing Child 3
EDF 3604 Social Foundations of Education (Exit) 3
EDG 4620 Curriculum and Instruction 3
EDF 4430 Measurement for Teachers 3
EEE 4070 Integrating Exceptional Students in the Regular Classroom 3
FLE 4315 Teaching LEP Students K-12 3
FLE 4316 Language Principles and Acquisition 2
EDE 4940 Internship 10

Specialization (44 cr. hrs.):
ARE 4313* Art For the Child and You 3
### COLLEGE OF EDUCATION

#### UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>EDE 4301</td>
<td>Teaching Methods in the Elementary School</td>
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<tr>
<td>EDE 4942</td>
<td>Childhood Education Internship Level II</td>
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<td>HLP 4722</td>
<td>Health and Physical Education for the Child</td>
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<td>LAE 4416</td>
<td>Teaching Literature and Writing in the Elementary Grades</td>
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<td>MAE 4310</td>
<td>Teaching Elementary School Mathematics I</td>
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<tr>
<td>MAE 4326</td>
<td>Teaching Elementary School Mathematics II</td>
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<tr>
<td>MUE 4210*</td>
<td>Music For The Child</td>
<td>3</td>
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<td>RED 4310</td>
<td>Early Literacy Learning</td>
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<td>RED 4511</td>
<td>Literacy in the Intermediate and Middle Grades</td>
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<td>SCE 4310</td>
<td>Teaching Elementary School Science</td>
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<tr>
<td>SSE 4313</td>
<td>Teaching Elementary School Social Studies</td>
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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.

*These courses are under review. Please check with an advisor.

### Department of Secondary Education

The following programs are housed in the Department of Secondary Education:

- English Education
- Foreign Language Education
- Mathematics Education
- Science Education
- Social Science Education

The undergraduate programs offered by the department are designed to prepare students to meet Florida teacher certification requirements and to become highly competent secondary teachers. Specialized courses in the teaching of mathematics, science, and social science are also offered for students majoring in elementary, early childhood, and special education.

#### ENGLISH EDUCATION

**Requirements for the B.S. Degree (BEN):** In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

**Prerequisites (State Mandated Common Prerequisites):** These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology 3
- SPC X600 Public Speaking 3
- Literature Course 3
- Electives in English 9

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Undergraduate Admission to the College" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

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

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

- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education (Exit) 3
- EDG 4620 Curriculum and Instruction 3
- EDF 4430 Measurement for Teachers 3
- EEX 4070 Integrating Exceptional Students in the Regular Classroom 2
- FLE 4315 Teaching LEP Students K-12 2
- FLE 4316 Language Principles and Acquisition 2
- LAE 4936 Senior Seminar in English Education 2
- LAE 4940 Internship: English Education 10

#### Program Requirements (33 cr. hrs.):

1. **English Specialization (21 cr. hrs.):**

   - ENG 3310 Expository Writing 3
   - One of the following:
     - LIT 3103 Great Literature of the World (Exit) 3
     - WST 4263 Third World Women Writers (Exit) 3
   - Two of the following:
     - AML 3031 American Literature to 1860 3
     - AML 3032 American Literature 1860-1912 3
     - AML 3051 American Literature 1912-1945 3
     - AML 3604 African-American Literature (Exit) 3
     - AML 4111 Nineteenth-Century American Novel 3
     - AML 4121 Twentieth-Century American Novel 3
     - LIT 4386 British and American Literature by Women (Exit) 3
   - One of the following:
     - ENL 3015 British Literature to 1616 3
     - ENL 3230 British Literature 1616-1780 3
     - ENL 3251 British Literature 1780-1900 3
     - ENL 3273 British Literature 1900-1945 3
   - One of the following:
     - ENL 3331 Early Shakespeare 3
     - ENL 3332 Late Shakespeare 3
   - One of the following:
     - ENG 4060 History of the English Language 3
     - LIN 3010 Introduction to Linguistics 3
     - LIN 3670 English Grammar and Usage 3
     - LIN 4671 Traditional English Grammar 3
     - LIN 4680 Structure of American English 3

2. **English Education (12 cr. hrs.):**

   - LAE 4323 Methods of Teaching English: Middle School 3
   - LAE 4464 Adolescent Literature for Middle and Secondary Students (Exit) 3
   - LAE 4530 Methods of Teaching English: Practicum 3
   - LAE 4642 Methods of Teaching English: High School 3
   - LAE 4530 must be taken concurrently with LAE 4642 (PR: LAE4464), the fall or spring immediately preceding internship. LAE 4323 should be taken the semester prior to enrolling in LAE 4530. Methods courses are available in Fall and Spring Semesters, only.

#### FOREIGN LANGUAGE EDUCATION

**Requirements for the B.S. Degree (BFS/BFF/BFI/BFG/BFR):** In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs."

A minimum of 27 credit hours beyond intermediate course requirements must be earned in the foreign language. Programs are available for Spanish (BFS), French (BFF), Italian (BFI), German (BFG) and Russian (BFR).

**Prerequisites (State Mandated Common Prerequisites):** These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2040 Introduction to Educational Technology 3

(equivalent course or demonstrated competency may be substituted)
In addition, fifteen semester hours must come from the following areas: courses in elementary and intermediate grammar, composition and advanced conversation; culture and civilization in the target language (3 hours which can come from the ALAMEA area). At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

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

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

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

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

1. Foreign language (27 cr. hrs.)
   - Grammar, conversation, composition
   - Literature
   - Culture and civilization
   - Linguistics
   - Exit requirement language course

2. Foreign Language Education
   - 12 credit hours in methods of teaching a language at the elementary and secondary levels, including a practicum.
   - Fall Term: FLE 4314 (elementary)
   - Spring Term: FLE 4330 (secondary) and FLE 4370 (practicum)
   - Summer Term: EDG 4909 Technology in the Foreign Language Classroom

**MATHEMATICS EDUCATION**

Requirements for the B.S. Degree (BMA): In addition to the courses listed below, students must complete "Preliminary Requirements for Students Entering Teacher Education Programs."

**Prerequisites (State Mandated Common Prerequisites):** These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

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

(Both MAC 2313 Calculus III and STA 2202 Elementary Statistics are required at USF for native students and are strongly recommended for transfer students.)

**Computer Programming Language**

(applicable to microcomputer)

*May be part of General Education Requirements

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

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

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

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<td>EDF 3604</td>
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<td>EEX 4070</td>
<td>Integrating Exceptional Students</td>
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<td>FLE 4315</td>
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<td>MAE 4940</td>
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<td>MAE 4936</td>
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**Specialization (29 cr. hrs.):**

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<td>Discrete Mathematics</td>
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<td>MAS 3105</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4214</td>
<td>Elementary Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Elementary Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MGF 3301</td>
<td>Bridge to Abstract Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MHF 4403</td>
<td>Early History of Math (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4212</td>
<td>Geometry</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

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

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

**SCIENCE EDUCATION**

Requirements for the B.S. Degree (BSB, BSC, BSY): In addition to the courses listed below, students must complete "Preliminary Requirements for Students Entering Teacher Education Programs."

**Prerequisites (State Mandated Common Prerequisites) for all Tracks:** These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF X005</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 2701</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>(equivalent course or demonstrated competency may be substituted)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**For Biology Teacher Education -**

- Biology with Lab
- Chemistry with Lab or Physics with Lab
- Electives in Science

**For Chemistry Teacher Education -**

- Chemistry with Lab
- Biology with Lab or Chemistry with Lab
- Electives in Science

**For Physics Teacher Education -**

- Physics with Lab
- Biology with Lab or Chemistry with Lab
- Electives in Science

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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3214</td>
<td>Human Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4620</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Integrating Exceptional Students</td>
<td>2</td>
</tr>
</tbody>
</table>
UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

COLLEGE OF EDUCATION 143

Biology Education
Prerequisites (19 cr. hrs.):
- BSC 2010* Biology I with lab
- BSC 2045* General Chemistry I with lab
- PHY 2053* General Physics I with lab
- One of the following:
  - BSC 2085* Human Anatomy Physiology
  - CHM 2046 General Chemistry II w/Lab or
  - PHY 2054 General Physics II w/Lab

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

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

Specialization (28 cr. hrs.):
- CHM 2046 General Chemistry I w/Lab
- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry Lab
- CHM 3120C Elementary Analytical Chemistry
- CHM 3400* Elementary Physical Chemistry I
- CHM 3610C Intermediate Inorganic Chemistry
- CHM 4070 Historical Perspectives in Chemistry (Exit)
- BCH 3023 Biochemistry
- MAC 2281 Engineering Calculus I

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

Specialization (31 cr. hrs.):
- MAC 2281 Engineering Calculus I
- MAC 2282 Engineering Calculus II
- MAC 2283 Engineering Calculus III
- PHY 2020 Conceptual Physics
- PHY 3101 Modern Physics
- PHY 3221 Mechanics I
- PHY 3323C Electricity & Magnetism I
- PHY 4031 Great Themes in Physics (Exit)
- Electives in Physics

Required Courses for All Science Education Majors (15 cr. hrs.):
- As a minimum, satisfactory completion of the following courses:
  - SCE 4305 Communication Skills in Science
  - SCE 4320 Teaching Middle Grade Science
  - SCE 4330 Teaching Methods in Secondary School Science

Areas of Specialization
(Divided into 3 Tracks Below)

• SOCIAL SCIENCE EDUCATION
Requirements for the B.S. Degree (BSS): In addition to the courses listed below, students must complete "Preliminary Requirements for Students entering Teacher Education Programs." It is recommended that students pursue a double major in Social Science Education with History or one of the Social Sciences.

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF X005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2404 Introduction to Educational Technology

Students are advised to select courses from the Specialization area to meet the following lower division specializations requirements:
- American Government
- Anthropology
- Cultural Geography
- Economics
- History
- Psychology
- Sociology

One Natural Science course which includes a laboratory.
In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Preliminary Requirements for Students Entering Teacher Education Programs" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Professional Education Core (29 cr. hrs.):
The required courses in the professional education core are as follows:
- EDF 3214 Human Development and Learning
- EDF 3604 Social Foundations of Education (Exit)
- EDG 4620 Curriculum and Instruction
- EDF 4430 Measurement for Teachers
- EEX 4070 Integrating Exceptional Students
- BCH 4315 Teaching LEP Students K-12
- SSE 4936 Senior Seminar in Social Science Education
- SSE 4940* Internship: Social Science Education

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

Social Sciences Specialization (48 cr. hrs.):
- AMH 2010 American History I*
- AMH 2020 American History II*
- GEA 2000 Global Geography
- HUM 2111 Studies in Culture: World History I*
- HUM 2243 Studies in Culture: World History II*
- POS 2112 State and Local Government
- POS 2080 American Political Thought

FLE 4315 Teaching LEP Students K-12
SSE 4940 Internship: Science Education
SSE 4936 Senior Seminar in Science Education

*May be part of General Education Requirements

tency courses provide for in-depth study in such areas as personal
ences in over twenty-five different exercise and sports activities
One of the following:
• PET 3604 Modern Political Thought or
• PET 4064 Contemporary Political Thought or
• PET 4204 American Political Thought or
• INR 3018 World Ideologies
*May meet General Education Requirements
**Also meets General Education ALAMEA requirement

Social Science Education (11 cr. hrs.):
SSE 4333* Teaching Middle Grades Social Science
SSE 4334 Teaching Secondary Grades Social Science
SSE 4335 Teaching Social Science Themes
SSE 4640 Communications Skills in the Social Sciences
*Must be completed prior to SSE 4334 and SSE 4640.

Department of Educational Measurement and Research
The Department of Educational Measurement and Research offers EDF 4430, Measurement for Teachers, which is required of all students enrolled in teacher education programs. The objectives of this course include designing and applying classroom tests and other assessment devices, including alternative assessments, monitoring student progress and communicating student achievement. Emphasis is placed on assessment and instruction as integrated activities. The course is offered through a web-based or a classroom-based format.

School of Physical Education
The School of Physical Education, Wellness, and Sports Studies teaches a variety of Elective Physical Education courses and conducts Professional Physical Education Teacher Preparation K-8 and 6-12 Programs, Wellness Leadership Program, and an Athletic Training Program.

• ELECTIVE PHYSICAL EDUCATION PROGRAM
Elective Physical Education offerings in the College of Education are designed to provide opportunities for all students in the University to acquire knowledge and movement skills related to an active healthy lifestyle. Laboratory experiences in over twenty-five different exercise and sports activities allow students to select and develop proficiency appropriate for leisure pursuit and personal development. Special competency courses provide for in-depth study in such areas as personal wellness, current issues in sports, and first aid.

• PHYSICAL EDUCATION, WELLNESS LEADERSHIP AND ATHLETIC TRAINING
Students must choose one of the following programs: a) Physical Education Grades K-8 (Florida Teacher Certification); b) Physical Education Grades 6-12 (Florida Teacher Certification); c) Wellness Leadership (Non-certification); or d) Athletic Training.

Requirements for the B.S. Degree (BPE/BPS/BPW): The two-year programs are offered beginning in the junior year and includes mandatory attendance during the summer session between the junior and senior years. Students can only enter during Fall Semester of each year.
In addition to applying to the University, all students must apply directly to the Department. Requests for admission to the Program should be directed to:
Director
School of Physical Education, Wellness, & Sport Studies
College of Education
University of South Florida
4202 E. Fowler, PED 214
Tampa, Florida 33620-8600

For K-8 Physical Education Track (PTE):
Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3
*Equivalent course or demonstrated competency may be substituted

Prerequisites:
Anatomy and Physiology I with lab 3-4
Care and Prevention of Injuries or Anatomy and Physiology II with lab 3-4
Skill Development Course in Physical Activities 4-5
Conditioning, Fitness & Wellness Course in Physical Activities 3
At least one course taken to meet the natural science requirements in General Education must include a laboratory component.
Strongly recommended:
HSC 2400 First Aid 2

Professional Education Core:
PET 2010 Personal/Professional Development Seminar 3
PET 3310 Kinesiology 3
PET 3351 Exercise Physiology I 3

Additional Required Courses for K-8 Track:
EDF 3122 Learning & Teaching: Developing Child 3
EDF 4430 Measurement for Teachers 3
EDF 3604 Social Foundations of Education 3
PET 3031 Motor Development & Assessment 3
PET 3421 Curriculum and Instruction in Physical Education 3
PET 3422 Instructional Design & Content: Movement Experiences 3
PET 3441 Instructional Design & Content: Middle School Physical Ed. 3
PET 3640 Adapted Physical Education 3
PET 3943 Physical Education Internship: Middle School 4
PET 4401 Organization and Administration of Physical Education Programs 3
PET 4432 Instructional Design & Content: Physical Education Elementary 3
PET 4433 Instructional Design & Content: Physical Education Elementary II 3
PET 4942 Physical Education Pre-Internship: Elementary 4
PET 4946 Internship in Teaching Physical Education: Elementary 12
FLE 4315 Teaching LEP Students K-12 2
6-12 Physical Education Track (PTS):

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF 1005/2005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

(An equivalent course or demonstrated competency may be substituted)

Highly Recommended:
- BSC 2093 Human Anatomy and Physiology
- HSC 2400 First Aid
- PET 2622 Care and Prevention of Injuries

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

Professional Education Core (for All Tracks):
- PET 2010 Personal/Professional Development Seminar
- PET 3310 Kinesiology
- PET 3351 Exercise Physiology I

Additional Required Courses For 6-12 Track:
- EDF 3604 Social Foundations of Education
- EDF 4430 Measurement for Teachers
- EDF 4431 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 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 4944 Physical Education Pre-Internship: Secondary
- PET 4947 Internship in Teaching Physical Education: Secondary

For Wellness Leadership Track (PTW):

Prerequisites (State Mandated Common Prerequisites):
These prerequisites must be met by transfer students as well as USF students. A grade of "C" is the minimum acceptable grade.
- EDF X005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

(An equivalent course or demonstrated competency may be substituted)

Prerequisites:
- Anatomy and Physiology I with lab
- Care and Prevention of Injuries
- Skill Development Course in Physical Activities
- Conditioning, Fitness & Wellness Course in Physical Activities

At least one course taken to meet the natural science requirements in General Education must include a laboratory component.

Strongly recommended:
- HSC 2400 First Aid

Professional Education Core (for Wellness Tracks):
- PET 2010 Personal/Professional Development Seminar
- PET 3310 Kinesiology
- PET 3351 Exercise Physiology I

Additional Courses Required For Wellness Leadership Track:
- ADE 4384 Working with the Adult Learner
- GEY 3601 Behavior Change in Later Life
- HLP 4941 Wellness Internship
- HUN 2201 Nutrition
- PET 3131 Wellness Training
- PEP 3940 Practicum in Health Promotion/Wellness
- PEP 3951 Communications Skill for Wellness Leaders
- PEO 3170 Aquatic Exercise
- PET 3080 Survey of Wellness Programs
- PET 3931 Teaching Aerobic Dance/Exercise
- PET 4404 Organization & Administration of Wellness Programs
- PET 4353 Exercise Physiology II
- PET 4384 Health Fitness Appraisal & Exercise Prescription

For Athletic Training Track:

The undergraduate Athletic Training Program Track is a limited access program designed to prepare students for a successful career as a qualified allied health care professional educated and experienced in the management of health care problems associated with sports participation. Selected admissions to the track is gained through completion of required criteria set forth by the School of Physical Education, Wellness, & Sport Studies, in addition to the regular university application process. Successful completion of the track qualifies students to take the NATABOC Certification Examination and the State of Florida Athletic Trainer Licensure Examination. Interested students should visit our web site (http://pe.usf.edu/) and attend an organizational meeting held on the first Thursday of each semester. The web site offers students a proposed four-year course sequence, a description of our program, a listing of approved clinical sites, on-line application forms and more.

Athletic Training Program Track Requirements:

In order to be admitted to the Athletic Training Program Track, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during the Fall Semester of each academic year. Students must have completed at least 60 semester hours prior to the fall of their track entrance. In addition to being admitted to the University of South Florida, students must also apply directly to the School of Physical Education, Wellness, and Sport Studies before March 1st for priority admission consideration into the Athletic Training Program Track. Students applying after March 1st and before August 1st will be accepted only on a space available basis.

1. Admission Criteria: Students must ...
   a. submit academic transcripts from all previously attended colleges.
   b. meet the criteria for admission to the College of Education. (exemption from the three common course prerequisites; EDF2005, EDG2701, and EME2040)
   c. successfully pass the CLAST examination
   d. submit a completed Athletic Training Application by March 1st.
   e. meet the technical standards for admission or show potential for accomplished tasks.
   f. complete an interview by invitation.
   g. achieve a cumulative GPA of 2.5.
   h. achieve a prerequisite GPA of 2.8.
   i. complete the General Education Requirements of the University (36 cr. hrs.) See the University General Education Requirements section of the catalog.
j. complete the following prerequisites or an equivalent with at least a ‘C’ average: (33 credit hours)
   BSC 2010* Biology I – Cellular Processes 3
   BSC 2011* Biology I Laboratory 1
   BSC 2093 Human Anatomy & Physiology I 3
   BSC 2094 Human Anatomy & Physiology II 3
   CHM 2045* General Chemistry I 3
   CHM 2045L General Chemistry I Laboratory 1
   EDF 2100* Contemporary Health Science 3
   EDF 2400 First Aid & CPR 2
   PET 2612L Care & Prevention of Athletic Injuries 3
   PET 3660 Athletic Training Administration & Policy 3
   PET 3670L Athletic Training Administration & Policy Laboratory 1
   PET 3671L Orthopedic Physical Assessment (Lower Extremity) 3
   PET 3672L Orthopedic Physical Assessment (Upper Extremity) 3
   PET 3684L Health-Fitness Appraisal & Exercise Prescription 3
   PET 4267 Management of Athletic Injuries 3
   PET 4632C Therapeutic Modalities 3
   PET 4633C Therapeutic Rehabilitation 3
   PET 4672L Clinical Practice in Athletic Training I 3
   PET 4933 Seminar in Sports Medicine 2
   PET 4935 Case Studies in Athletic Health Care 3

**Denotes prerequisite courses that complete General Education Requirements**

2. **Professional Education Core:**
   PET 3010* Kinesiology 3
   PET 3351 Exercise Physiology I 3

3. **Additional required Courses for Athletic Training Track:**
   HUN 3201 Nutrition 3
   PET 3617C Orthopedic Physical Assessment I (Upper Extremity) 3
   PET 3618C Orthopedic Physical Assessment II (Lower Extremity) 3
   PET 3621C Prevention of Athletic Injuries 3
   PET 3624C Emergency Management of Athletic Trauma 3
   PET 3630C Techniques in Therapeutic Exercise 3
   PET 3660* Athletic Training Administration & Policy 3
   PET 3670L Clinical Instruction in Athletic Training I 3
   PET 3671L Clinical Instruction in Athletic Training II 3
   PET 3695L Exercise Physiology II 3
   PET 4384 Health-Fitness Appraisal & Exercise Prescription 3
   PET 4627 Management of Athletic Injuries 3
   PET 4632C Therapeutic Modalities 3
   PET 4633C Therapeutic Rehabilitation 3
   PET 4672L Clinical Practice in Athletic Training I 3
   PET 4673L Clinical Practice in Athletic Training II 3
   PET 4933 Seminar in Sports Medicine 2
   PET 4935 Case Studies in Athletic Health Care 3

**Department of Psychological and Social Foundations of Education**

The Department of Psychological and Social Foundations of Education does not offer a specific major or program, but provides courses for all students majoring in the wide array of undergraduate programs available in the College of Education. These courses contribute to the students' understanding of the general education enterprises and are considered foundational to later professional specialization. Consequently, these courses should be taken early in the professional program, typically in the junior year.

**Professional Education Core (34-39 cr. hrs.):**

- EDF 3122 Learning and the Developing Child 3
- EDF 3214 Human Development and Learning 3
- EDF 3604 Social Foundations of Education 3
- EDF 4111 Child Growth and Learning 3
- EDF 4131 Learning and the Developing Adolescent 3

**In addition the department offers:**

- EDF 3228 Human Behavior and Environmental Selection 3
- EDF 3542 Philosophy of Education 4
- EDF 4905 Independent Study: Educational Foundations 1-3
- EDF 4909 Directed Study: Educational Foundations 1-3
- EDF 5136 Adolescence 4

**Prerequisites (State Mandated Common Prerequisites):**

These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

- EDF X005 Introduction to Education 3
- EDG 2701 Teaching Diverse Populations 3
- EME 2400 Introduction to Educational Technology 3

(equivalent course or demonstrated competency may be substituted)

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Preliminary Requirements for Students entering Teacher Education Programs” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives. Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

- **Communications**, including a speech course (9 hours minimum)
- EDF 5285 Programmed Instruction and Teaching Machines 3
- EDF 5672 American Democracy and Public Education 3
- IDS 3115 Values and Choices 3

The Counselor Education program offers undergraduate courses focusing on human services skill development, decision-making and personal growth. Course content contributes to student success in academic and personal endeavors and may serve to orient students to post-graduate work in human services fields.

- MHS 4001 Introduction to Guidance Processes 3
- MHS 4052 Human Relations Skills in Counseling 4
- MHS 4905 Independent Study: Guidance and Counseling Education 1-4
- SDS 4040 Introduction to Student Personnel Work in Higher Education 2
- SLS 1101 The University Experience 2

**Department of Special Education**

The Department of Special Education prepares teachers to work with children who have emotional and behavioral disabilities, mental retardation, and specific learning disabilities. The undergraduate program is a state-approved program that leads to certification in one or more of the three areas.

Students are required to meet University and College of Education entrance requirements prior to enrollment in the Department. Upon admission, students affiliate with the campus on which they wish to take their program of studies. Students may not register for courses on other campuses without permission. On the Tampa Campus, students are assigned to teams. All courses are taken with the assigned team. Since no teams start in the summer, there are no summer admissions. The program sequence includes three semesters of part-time field experience and one semester of full-day internship. All part-time field experiences must be successfully completed as a member of a team concurrently enrolled in a specified course in designated local schools under the supervision of a faculty member. Field experiences begin during the first semester of a student’s enrollment with increasing involvement throughout the program. Students are responsible for providing transportation to their experience sites.

In some instances students may pursue a part-time program (9 hours or less a semester). This requires that students be available to participate in field experiences and concurrent classes during regular school hours.

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

(see Preliminary Requirements for Students entering Teacher Education Programs on the first page of the College of Education section).
Mathematics, excluding MAT 1033 and a computer course (9 hours minimum);
Natural and/or physical sciences, with at least one associated lab (9 hours minimum, including lab)
Humanities (9 hours minimum): 3 courses
Social sciences, including a psychology or human growth and development course (9 hours minimum)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3122</td>
<td>Learning and the Developing Child</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3604</td>
<td>Social Foundations of Education (Exit)</td>
<td>3</td>
</tr>
<tr>
<td>EGD 4620</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4430</td>
<td>Measurement for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4315</td>
<td>Teaching LEP Students K-12</td>
<td>1-6</td>
</tr>
<tr>
<td>EGD 4909</td>
<td>Language Principles and Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>EEX 4940</td>
<td>Internship: Exceptional Student Education</td>
<td>10</td>
</tr>
<tr>
<td>EEX 4936</td>
<td>Senior Seminar in Exceptional Student Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Areas of Specialization
(Divided into 3 Tracks Below)

Emotional and Behavioral Disabilities (EH Certification)
Students seeking the B.S. degree with certification in EH are required to take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EED 4011</td>
<td>Introduction to Behavior Disorders</td>
<td>3</td>
</tr>
<tr>
<td>EED 4941</td>
<td>Undergraduate Supervised Practicum in Behavior Disorders</td>
<td>1-6</td>
</tr>
<tr>
<td>EEX 4011</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4221</td>
<td>Educational Assessment of Exceptional Students</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4243</td>
<td>Education of the Exceptional Adolescent and Adult</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4604</td>
<td>Behavior Management for Special Needs and at Risk Students</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4742</td>
<td>Narrative Perspectives on Exceptionality: Cultural and Ethical Issues</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4846</td>
<td>Clinical Teaching in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>LAE 4416</td>
<td>Teaching Literature and Writing in the Elementary Grades</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4310</td>
<td>Teaching Elementary School Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>RED 4310</td>
<td>Early Literacy Learning</td>
<td>3</td>
</tr>
<tr>
<td>RED 4511</td>
<td>Literacy in the Intermediate and Middle Grades</td>
<td>3</td>
</tr>
</tbody>
</table>

Mental Retardation (MR Certification)
Students seeking the B.S. degree with certification in MR are required to take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4011</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4221</td>
<td>Educational Assessment of Exceptional Students</td>
<td>3</td>
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<tr>
<td>EEX 4243</td>
<td>Education of the Exceptional Adolescent and Adult</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4604</td>
<td>Behavior Management for Special Needs and at Risk Students</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4742</td>
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<td>3</td>
</tr>
<tr>
<td>EEX 4846</td>
<td>Clinical Teaching in Special Education</td>
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</tr>
<tr>
<td>EMR 4011</td>
<td>Introduction to Mental Retardation</td>
<td>3</td>
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<tr>
<td>EMR 4941</td>
<td>Undergraduate Supervised Practicum in Mental Retardation</td>
<td>1-6</td>
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<tr>
<td>LAE 4416</td>
<td>Teaching Literature and Writing in the Elementary Grades</td>
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<tr>
<td>MAE 4310</td>
<td>Teaching Elementary School Mathematics I</td>
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<tr>
<td>RED 4310</td>
<td>Early Literacy Learning</td>
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<tr>
<td>RED 4511</td>
<td>Literacy in the Intermediate and Middle Grades</td>
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Specific Learning Disabilities (LD Certification)
Students seeking the B.S. degree with certification in LD are required to take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>EEX 4011</td>
<td>Foundations of Special Education</td>
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<tr>
<td>EEX 4221</td>
<td>Educational Assessment of Exceptional Students</td>
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<tr>
<td>EEX 4243</td>
<td>Education of the Exceptional Adolescent and Adult</td>
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<tr>
<td>EEX 4604</td>
<td>Behavior Management for Special Needs and at Risk Students</td>
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</table>

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

Student Organizations and Activities

COLLEGE OF EDUCATION STUDENT COUNCIL
The College of Education Student Council represents the interests of education majors in regard to policies and needs of the college. The Council leadership team consists of five officers (President, Vice-President, Secretary, Treasurer, and Historian) and seven Student Government Senators. Elections are held annually; all pre-education and education majors are eligible to vote for all officers.

C.E.S.C. activities enhance members’ professional growth, provide opportunities for professional and community service, and serve as a forum for socialization. Any student majoring in education with a minimum GPA of 2.0 is eligible to participate in C.E.S.C.

CHILDHOOD EDUCATION ORGANIZATION
The Association for Childhood Education International is a non-profit professional organization concerned with the education and well-being of children birth to early adolescence. Members are located throughout the United States.

The USF chapter works directly with children through observation, projects, and programs. In addition, it provides opportunities for students to attend study conferences throughout the state of Florida which allows the student an opportunity for professional growth and exchange of professional ideas. Membership is open to all students, including freshmen, concerned with children from birth to early adolescence.

STUDENT COUNCIL FOR EXCEPTIONAL CHILDREN
The Student Council for Exceptional Children (SCEC) is an organization of those members of the University interested in the education of children who are gifted, emotionally disturbed, physically handicapped, mentally retarded, or have specific learning disabilities.

Activities of the USF Chapter include field trips to various special educational facilities, opportunities to hear prominent speakers, attend seminars, visit state and national conventions, and participate in social events. All interested students are invited to join.
NATIONAL EDUCATION ASSOCIATION STUDENT PROGRAM (NEASP)

The National Education Association extends its usual member benefits to student teachers, providing opportunities for professional growth, leadership training, and also $1 million liability insurance coverage while interns are engaged in student teaching. Membership is open to all students.

KAPPA DELTA PI

Kappa Delta Pi is an international co-educational honor society in Education. The society was founded to recognize and encourage excellence in scholarship, high personal standards, improvement in teacher preparation, and distinction in achievement.

ASSOCIATION OF PHYSICAL EDUCATION COLLEGE STUDENTS (APECS)

The Physical Education and Wellness Association (PEWA) is open to all students enrolled in the Physical Education and Wellness Programs. Social and professional meetings are conducted throughout the year. Professional service to the community is also provided by the association.

MATHEMATICS EDUCATION CLUB

The role of this organization shall be to provide an informative and supportive environment for all members, encourage scholarship, and provide a helpful atmosphere for students progressing through the Mathematics Education program.

MINORITY ORGANIZATION OF STUDENTS IN EDUCATION (MOSE)

The Minority Organization of Students in Education is organized to provide students with experiences that will facilitate the educational and professional growth of its members. This is achieved by enriching the students' experiences, informing them of various opportunities and involving them in activities. Guest speakers are invited to meetings to discuss topics of interest to the members. Resource people are used to inform students of employment and graduate school opportunities. Members of M.O.S.E. sponsor and participate in community service programs.

SCIENCE EDUCATION ASSOCIATION (SEA)

The Science Education Association provides a supportive environment for students majoring in science education, although membership is open to anyone interested in science. SEA plans field trips, guest speakers, and the compiling of a classroom science activities file for education majors.

EDUCATION FACULTY

CHILDOOD/LANGUAGE ARTS/READING EDUCATION

**Interim Chairperson:** J.F. Young; **Professors:** B. K. Clarke, S. Graves, S. Helton, S. Homan, J. King, M. Mann; **Professor Emeritus:** J. Kiesius, E. F. Sears; **Associate Professors:** N. Anderson, G. R. Barkholz, M.A. Barksdale-Ladd, F.W. Freshour, B. Frye, G. Gayle-Evans, F.S. Goforth, P. Hanley, K. Laframboise, J. Linder, S. Micklo, E. Larkin, J. Swarzmann, M. Wynn; **Assistant Professors:** R. Brindley, P. Fleege, M. Harrison, M. Hewitt, M.L. Morton, N. Ratcliff, S. Rushton, J. Schneider, R. Short, J. Vander Will, N. Williams, P. Zielonka; **Visiting Assistant Professor:** M. Fernandez, L. Mautle; **Instructors:** J. Fountain, A. Hall; **Lecturer:** R. Blass; **Visiting Instructors:** C. Lippincott, B. Morris; **Adjunct:** P. Zielonka.

LEADERSHIP DEVELOPMENT

**Chairperson:** W.H. Young; **Professors:** W.F. Benjamin, W.E. Blank, J.C. Bondi, W.B. James, S.B. Permuth, A. Shapiro, K. Snyder, L. Tuttle, M.G. Villeneuve, W.H. Young; **Professor Emeritus:** B. Dannenberg, D.E. Orlosky; **Associate Professors:** J. Ignash, J. Scaglione, W.R. Sullins, L. Taber, **Assistant Professors:** L. Fields, R. Westberry; **Visiting Assistant Professor:** W. Gillies; **Lecturer:** R. O'Sullivan; **Instructors:** D. Gardner, K. Smith; **Other Faculty:** T. Conrad, J. Grisham, W. Helton, R. Davis.

EDUCATIONAL MEASUREMENT AND RESEARCH

**Chairperson:** B.W. Hall; **Professors:** L.M. Carey, B.W. Hall, C.V. Hines, W.W. Katzenmeyer, J.D. Krommer; **Associate Professors:** R. F. Dedrick, J. Ferron, S. Lang; **Assistant Professors:** M. Banerji; **Visiting Instructor:** T. Wallace.

PHYSICAL EDUCATION

**Director:** L. E. Bowers; **Professors:** L.E. Bowers, F.N. Faucette, C.D. Smith; **Professors Emeritus:** M.E. Crippenberger, R. Hoefman, H.A. Hoffman, S.E. Klesius; **Associate Professors:** B.L. Bembenek, P.J. Ellery, R. Grindley, W.D. Hall, H. Weinberg; **Assistant Professors:** C.D. Ashley, D. Klossner, J.W. Rauschenbach; **Coordinator and Instructor:** W.T. Price.

PSYCHOLOGICAL AND SOCIAL FOUNDATIONS


SECONDARY EDUCATION


SPECIAL EDUCATION

**Chairperson:** B. Epanchin; **Professors:** M. Churton, B. Epanchin, E. Gutziol, W. H. Heller, C. D. Lavelly, K. Marlo, A. J. Mauser, J. Paul, T. Rose, S. P. Singh; **Associate Professors:** A. Cranston-Gingras, D. Harris, H. Rosselli, L. Smith, K. Stoddard, H. A. Sroles, D. Thomas, B. Townsend; **Assistant Professors:** T. Knopp, B. Leoding; **Jointly Appointed Faculty:** N. Berger, R. Clark, A. Duchnowski, G. Dunlap, R. Friedman, K. Kutash, M. Hernandez, T. Stokes, C. Wooley-Brown; **Visiting Scholars:** W. Rhodes, W. Morse; **Visiting Assistant Professors:** B. Braun, K. Colucci, B. Doone, P. Fagan.

EDUCATION COURSES

ADULT EDUCATION

**ADE 4384** Working With the Adult Learner: Adult Education (3)

BUSINESS AND OFFICE EDUCATION

**BTE 4401** Special Teaching Methods: Business Education (4)
**BTE 4939** Directed Study: Business Education (1-3)
**BTE 4936** Senior Seminar in Business and Office Education (2)
**BTE 4940** Internship: Business Education (1-12)
**BTE 4948** Field-Based Seminar in Business Education (3)
**BTE 5171** Curriculum Construction: Business Education (3)
DEC 4161 Program Management of Distributive and Marketing Education (3)
DEC 4401 Special Teaching Methods: Distributive Education (4)
DEC 4936 Senior Seminar in Distributive and Marketing Education (2)
DEC 4940 Internship: Distributive and Marketing Education (1-12)
DEC 4941 Supervised Field Experience: Distributive Education (1-6)

COMPUTERS IN EDUCATION
EME 2040 Introduction to Computers in Education (3)
EME 5403 Microcomputers in Education (3)

CURRICULUM AND INSTRUCTION
EDF 2005 Introduction to Education and Field Experience (3)
EDG 2701 Teaching Diverse Populations and Field Experience (3)
EDG 4620 Curriculum and Instruction (3)
EDG 4909 Directed Studies (1-4)

EARLY CHILDHOOD EDUCATION
EED 2000 Introduction to Early Childhood Education (3)
EED 4008 Literature in Early Childhood Education -6A LW (3)
EED 4203 Programs for Young Children (3)
EED 4211 Integrated Curriculum: Science and Mathematics (3)
EED 4212 Integrated Curriculum: Social Sciences/Humanities & Art (3)
EED 4300 Cognitive Experiences for Young Children (3)
EED 4303 Creative and Affective Experiences for Young Children (3)
EED 4408 Child, Family & Teacher Relations (3)
EED 4706 Language and Emerging Literacy (3)
EED 4905 Independent Study: Early Childhood Education (1-4)
EED 4909 Directed Study: Early Childhood Education (1-3)
EED 4936 Senior Seminar in Elementary Early Childhood Education (2)
EED 4940 Internship: Early Childhood (10)
EED 4941 Field Experience I (3)
EED 4942 Field Experience II (3)
EED 4943 Field Experience III (3)

ELEMENTARY EDUCATION
EDE 4301 Teaching Methods in the Elementary School (3)
EDE 4905 Independent Study: Elementary Education (1-4)
EDE 4909 Directed Study: Elementary Education (1-4)
EDE 4940 Internship: Elementary Education (10-12)
EDE 4941 Childhood Education Internship Level I (3)
EDE 4942 Childhood Education Internship Level II (6)
EDE 4943 Directed Study: Middle Education (1-12)
EIA 4314 Language Arts in Childhood Education (3)
LAE 4414 Language Literature in Childhood Education -6A LW (3)
MAE 4310 Teaching Elementary School Mathematics I (3)
MAE 4326 Teaching Elementary School Mathematics II (2)
RED 4310 Early Literacy Learning (3)
SCE 4310 Teaching Elementary School Science (3)
SSE 4313 Teaching Elementary Grades Social Studies (3)

ENGLISH EDUCATION
LAE 4323 Methods of Teaching English: Middle School (3)
LAE 4464 Adolescent Literature for Middle and Secondary Students -6A LW (3)
LAE 4530 Methods of Teaching English: Practicum (3)
LAE 4642 Methods of Teaching English: High School (3)
LAE 4936 Senior Seminar in English Education (2)
LAE 4940 Internship: English Education (1-12)
LAE 5932 Selected Topics in the Teaching of English (3)

FOREIGN LANGUAGE EDUCATION
FLE 4314 Foreign Language Teaching in the Elementary School (3)
FLE 4315 Teaching students with Limited English Proficiency (3)
FLE 4333 Foreign Language Teaching in the Secondary School (3)
FLE 4370 Practicum in Foreign Language Teaching in the Secondary School (3)
FLE 4936 Senior Seminar in Foreign Language Education (2)
FLE 4940 Internship: Foreign Language Education (1-12)

INDUSTRIAL-TECHNICAL EDUCATION
EIA 3192 Technology Education and Society (4)
EIV 3430 Special Teaching Methods: Technology Education (3)
EIV 4210 Program Management: Industrial-Technical Education (4)
EIV 4360 Special Teaching Methods: Industrial-Technical Education (4)
EIV 4360 Special Teaching Methods: Industrial-Technical Education (4)
EIV 5315 Program Management: Diversified Cooperative Training (3)
EVT 4065 History and Principles of Vocational Education (4)
EVT 4084C Professional Development in Industrial Technical Education (1-3)
EVT 4165 Curriculum Construction: Industrial-Technical Education (4)
EVT 4263 Organization And Administration Of Student Vocational Organizations (1-4)
EVT 4365 Basic Teaching Methods in Vocational Education (4)
EVT 4367 Assessing Student Skill in Industrial Technical Education (4)
EVT 4526 Vocational Education for Special Needs Students (4)
EVT 4530 Equity in Schools and the Workplace -6A MW (3)
EVT 4905 Independent Study: Industrial-Technical Education (1-4)
EVT 4909 Directed Study: Industrial-Technical Education (1-3)
EVT 4936 Senior Seminar in Industrial-Technical Education (2)
EVT 4940 Internship: Industrial-Technical Education (1-12)
EVT 4946 Supervised Field Experience: Industrial-Technical Education (1-6)
EVT 5369 Preparation and Development for Teaching (4)
EVT 5664 School Community Development (4)

MATHEMATICS EDUCATION
CGS 2010 Computers in Mathematics Education (3)
MAE 4320 Teaching Mathematics in the Middle Grades (3)
MAE 4330 Teaching Senior High School Mathematics (3)
MAE 4551 Reading the Language of Mathematics (2)
MAE 4652 Technology for Teaching Secondary School Mathematics I (3)
MAE 4653 Technology for Teaching Secondary School Mathematics II (3)
MAE 4909 Directed Study: Mathematics Education (1-3)
MAE 4936 Senior Seminar in Mathematics Education (2)
MAE 4940 Internship: Mathematics Education (1-12)

MEASUREMENT AND RESEARCH
EDF 4430 Measurement For Teachers (3)

PHYSICAL EDUCATION — ELECTIVE
HLP 2081 Personal Wellness: A Lifetime Commitment (3)
PFL 1121 Golf I (2)
PFL 1341 Tennis I (2)
PFL 2122 Golf II (2)
PFL 2321 Volleyball (2)
PFL 2342 Tennis II (2)
PFL 2441 Racquetball (2)
NEM 2116 Strength and Aerobic Development (2)
NEM 2131 Weight Training (2)
NEM 2141 Jogging (2)
NEM 2441 Karate (2)
NEM 2930 Selected Topics (1-2)
NEM 1121 Swimming I (2)
NEM 2113 Lifeguard Training (2)
NEM 2122 Swimming II (2)
NEM 2136 Skin & Scuba Diving (2)
PET 3931 Selected Topics (1-3)

PHYSICAL EDUCATION — PROFESSIONAL
HLP 4941 Wellness Internship (12)
HSC 2400 First Aid (2)
HSC 3301 Health, Safety, Nutrition and Motor Skills for the Young Child (3)
PEP 3940 Practicum in Health Promotion/Wellness (4)
PEP 3951 Communication Skills For Wellness Leaders (3)
PEQ 2101 Aquatics (2)
PEQ 3170 Aquatic Exercise (2)
PET 2010 Personal/Professional Development Seminar (3)
PET 2622C Care and Prevention of Physical Injuries (3)
PET 3031 Motor Development and Assessment (3)
PET 3080 Survey of Wellness Program (3)
PET 3252 Issues in Sport -MW (3)
PET 3310 Kinesiology (3)
PET 3351 Exercise Physiology I (3)
PET 3421 Curriculum and Instruction in Physical Education (3)
PET 3422 Instructional Design and Content: Movement Experiences (3)
PET 3441 Instructional Design and Content: Middle School Physical Education (3)
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<td>EDF 3228</td>
<td>Human Behavior and ....</td>
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<td>PET 4933</td>
<td>Exercise Physiology II (3)</td>
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<td>Health-Fitness Appraisal &amp; Exercise Prescription (3)</td>
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<td>PET 4901</td>
<td>Organization &amp; Administration of Physical Education Programs (3)</td>
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<td>Organization &amp; Administration of Wellness Programs (3)</td>
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<td>PET 4333</td>
<td>Instructional Design and Content: Physical Education Elementary (3)</td>
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<tr>
<td>PET 4442</td>
<td>Instructional Design and Content: Physical Education Secondary (3)</td>
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<td>PL 4443</td>
<td>Instructional Design and Content: Physical Education Secondary II (3)</td>
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<td>PET 4627</td>
<td>Management of Athletic Injuries (3)</td>
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<td>PET 4632C</td>
<td>Therapeutic Modalities (3)</td>
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<td>PET 4633C</td>
<td>Therapeutic Rehabilitation (3)</td>
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<td>PET 4672L</td>
<td>Clinical Practice in Athletic Training I (3)</td>
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<td>PET 4933S</td>
<td>Seminar in Sports Medicine (3)</td>
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<td>PET 4935S</td>
<td>Case Studies in Athletic Health Care (3)</td>
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<td>PET 4942</td>
<td>Physical Education Internship: Elementary (3)</td>
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<td>PET 4944</td>
<td>Physical Education Internship: Secondary (4)</td>
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<td>PET 4946</td>
<td>Associate Teaching Physical Education: Elementary (12)</td>
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<td>Associate Teaching Physical Education: Secondary (12)</td>
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<td>PET 4947C</td>
<td>Athletic Training Practicum (2)</td>
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<td>EDF 3214</td>
<td>Human Development And Learning (3)</td>
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<td>Human Behavior and Environmental Selection -6A MW (3)</td>
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<td>EDF 3542</td>
<td>Philosophy of Education -MW (4)</td>
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<td>EDF 3804</td>
<td>Social Foundations of Education -MW (3)</td>
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<td>EDF 4111</td>
<td>Child Growth and Learning (3)</td>
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<td>IDS 3115</td>
<td>Values and Choices -6A MW (3)</td>
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<td>MHS 4052</td>
<td>Human Relations Skills in Counseling -MW (4)</td>
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<td>Career Development Process (2)</td>
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**SCIENCE EDUCATION**

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<td>SCE 4305</td>
<td>Communication Skills in the Science Classroom (2)</td>
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<td>SCE 4320</td>
<td>Teaching Methods in Middle Grade Science (3)</td>
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<td>Teaching Methods in the Secondary School -Sciences (3)</td>
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<td>Internship: Science Education (1-12)</td>
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<td>SCE 5937</td>
<td>Selected Topics in Science Education (1-4)</td>
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<td>SSE 4334</td>
<td>Teaching Secondary Grades Social Science (3)</td>
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<td>SSE 4380</td>
<td>Global And Multicultural Perspectives in Education -MW (3)</td>
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<td>SSE 4640</td>
<td>Communication Skills in the Social Sciences (2)</td>
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<td>SSE 4670</td>
<td>Economics USA: Principles of Economics for Teachers (3)</td>
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<tr>
<td>SSE 4936</td>
<td>Senior Seminar in Social Science Education (2)</td>
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<td>Internship: Social Science Education (1-12)</td>
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<td>SSE 5644</td>
<td>Economic Decision-Making for Teachers (3)</td>
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**SPECIAL EDUCATION**

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<td>Directed Study: Behavior Disorders (1-3)</td>
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<td>EEX 4011</td>
<td>Foundations of Special Education (3)</td>
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<td>EEX 4070</td>
<td>Integrating Exceptional Students in the Regular Classroom (2-3)</td>
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<tr>
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<td>EGI 5051</td>
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<td>EGI 5325</td>
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<td>ELD 4011</td>
<td>Introduction to Specific Learning Disabilities (3)</td>
</tr>
<tr>
<td>ELD 4905</td>
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<td>ELD 4909</td>
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<td>EPH 5051</td>
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</tr>
<tr>
<td>EPH 5321</td>
<td>Educational Strategies for Physically and Multihandicapped Students (3)</td>
</tr>
</tbody>
</table>
The College of Engineering offers undergraduate and graduate programs to prepare students for a broad spectrum of professional careers in engineering. Laboratory experience as well as real-world participation in technological problem-solving is a key aspect of a professional engineer's college education. The College of Engineering, in implementing this need, augments its own modern laboratory and research facilities by close contact with the professional societies and the many industries in the metropolitan Tampa Bay area.

Students in engineering choose from a variety of quality major programs. Each individual needs or a reassessment of their educational goals, interests, and capabilities. Students seeking a baccalaureate degree should declare a major in one of the College's undergraduate programs by the end of their sophomore year. In doing so, students will complete specialization studies in a designated field under the direction of one of the administrative departments of the College.

### Preparation for Engineering

Students planning to attend USF’s College of Engineering should familiarize themselves thoroughly with the College’s admissions standards and requirements, which are more stringent than the University’s minimum entrance requirements.

The high school student anticipating a career in engineering should elect the strongest academic program that is available while in high school, including four years each of English, mathematics and science (preferably including Chemistry and Physics), as well as full programs in the social sciences and humanities.

Prospective students considering engineering at the University of South Florida who lack certain preparation in high school must elect to follow a program to overcome their deficiencies. One alternative for these students, classified as "Pre-Engineering majors" might include preparatory coursework in a less accelerated program. The University of South Florida generally offers most required pre-engineering courses every semester. As another alternative, students may wish to avail themselves of the State’s system of junior/community colleges which offer a wide range of preliminary coursework; many of these schools also offer full programs in pre-engineering (first two years’ coursework).

Junior/community college students planning to transfer to the University of South Florida’s engineering program at the junior level from a State of Florida operated college or university should follow a pre-engineering program leading to an A.A. degree. All transfer students should complete as much of the mathematics and science coursework as is available to them. Transfer students should be aware that the College expects them to meet its admission requirements listed in this section under college regulations for graduation just as it expects its own students to meet these requirements. Junior/community college transfer students should note that in addition to freshman and sophomore level courses, required junior level courses are given each semester thus permitting full continuity in studies for the student. Junior/community college students intending to pursue an engineering program at USF should contact the advisor at their institution and request a course equivalency list.

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.

The College of Engineering can assist students who are planning to obtain an Engineering degree from the University of South Florida and who have started their studies elsewhere in formulating a sound total program. Interested students should contact the College's Advising Office (813/974-2684) furnishing sufficient details to permit meaningful response.

### Undergraduate Admission to the College of Engineering

Before declaring a particular major within the field of engineering, students must meet two sets of admission requirements: one for the College of Engineering and the other for the
student's chosen degree program (see "College of Engineering Admission Requirements" and "Admission Requirements for Programs in Engineering" below). Students may apply to the College of Engineering upon initial entry to the University by declaring Engineering as their intended major on their admissions application. When a student is accepted to USF, engineering staff will review the necessary credentials and notify the applicant of his or her Engineering status.

USF students may apply through the Advising Office, in the College of Engineering. To be considered for admission to the College, an applicant must be accepted by the University as a degree-seeking student and be academically in good standing.

Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL score must be 550.

COLLEGE OF ENGINEERING ADMISSION REQUIREMENTS

1. Freshmen:
   a. Test Scores:
      SAT—composite of 1050 minimum with a minimum quantitative of 550.
      ACT—composite of 25 minimum and mathematics of 25 minimum.
   b. High School Mathematics: Should include sufficient algebra and trigonometry to enter Engineering Calculus I.
   c. High School Grade Point Average of 2.5/4.0.

2. Transfer Students:
   Transfer students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

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

   Mathematics:
   MAC 2311 Engineering Calculus I (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAC 2312 Engineering Calculus II (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAC X283 Engineering Calculus III (4)
   or MAC 2281, MAC 2282, MAC 2283
   MAP X302 Differential Equations (3)

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

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

REQUIRED PREREQUISITES FOR ENTERING THE COLLEGE OF ENGINEERING

Once a student has been admitted to the College of Engineering, he/she must then seek admission into one of the specific departments.

The minimum requirements for acceptance by the departments administering the Engineering programs in Chemical, Civil, Electrical, Industrial and Mechanical Engineering are completion of English, Calculus, Differential Equations, Physics and Chemistry requirements.

The minimum requirements for admission to the Computer Engineering, Computer Science, and Information Systems programs offered by the Computer Science and Engineering Department are completion of English I & II, Physics I & II (and labs) and Calculus I & II with a grade point average of 3.0 or higher in those eight courses. Following departmental admission, it is necessary that a student complete the courses CDA 3100 (Computer Organization), COP 3514 (Program Design), and COT 3100 (Discrete Structures) with a grade point average for all attempts of at least 3.0 prior to taking any other departmental courses.

Prior to being admitted to a department, a student may be permitted to take no more than two departmental engineering courses. Individual departments may have continuation requirements. A student can have his or her academic records housed in a department and be advised by the department advisor prior to completing requirements for department admission if he or she so chooses. This type of student must still comply with all of the above-listed requirements prior to official acceptance by the department.

Engineering Advising

Effective pursuit of engineering and engineering related studies requires careful attention to both the sequence and the type of courses taken. The engineering curriculum differs in key respects from the study plans of other majors—even in the freshmen year.

New students must attend the University’s Orientation program. They are assigned an engineering advisor during their first year and receive advisement for their first semester at that time.

The student and advisor jointly work out a plan of study that meets both the student’s career objectives and the College of Engineering’s degree requirements. The advisors maintain the College of Engineering’s student records.

Students not yet meeting departmental admissions requirements may elect to be advised by the general engineering advising office or the department of their intended specialization.

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

The College of Engineering requires all undergraduates to apply for graduation the semester prior to the anticipated graduation term. Necessary forms and instructions can be obtained in the Engineering Advising Office.

Advising Offices

Tampa Campus: The College of Engineering is located near the south-central side of campus; the Engineering Advising Office is on the Northeast corner of the portables west of Engineering II (ENX), Room 100, (813) 974-2684.

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

Lakeland Campus: Student Services Office (LLC), Room 2100, (800) USF-5636 (in state only), (863) 667-7071

Office Hours

Usual office hours are 8 a.m. - 5 p.m., Monday through Friday.

DEPARTMENTS AND PROGRAMS

The supervision of the academic programs for the College is the function of the six administrative departments together with several coordinators. Each department is responsible for specific professional programs, faculty, laboratories, and student advising.

CHEMICAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Chemical Engineering (B.S.Ch.E.)
Graduate Degrees Offered:
Master of Science in Chemical Engineering (M.S.Ch.E.)
Master in Chemical Engineering (M.C.H.E.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Chemical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Chemical Engineering. Topics included are
thermodynamics, fluid flow, heat transfer, mass transfer, separation processes, chemical reactors, instrumentation and process control, fundamentals of mathematics, 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 student is also required to take a number of electives from areas such as biotechnology, materials, and environmental engineering. These electives are designed to broaden the experience, and, therefore, the employment possibilities of our graduates. The Chemical Engineering Department also offers a sequence of courses in Chemical Engineering Science, biotechnology and biomedical engineering.

A sequence of courses in the engineering aspects of biotechnology is currently available within the Chemical Engineering program. Topics include applied microbiology, fermentation, enzyme technology, and pharmaceutical engineering.

Biomedical Engineering is a highly interdisciplinary program, drawing from all engineering disciplines, biology, physical sciences, biologicaal 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

Undergraduate Degree Offered:
Bachelor of Science in Civil Engineering (B.S.C.E.)
Graduate Degrees Offered:
Master of Science in Civil Engineering (M.S.C.E.)
Master of Science in Environmental Engineering (M.S.E.V.)
Master of Civil Engineering (M.C.E.)
Master of Engineering (M.E.)
Master of Environmental Engineering (M.E.V.E.)
Doctor of Philosophy in Civil Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers course work and study pertinent to Civil Engineering, Engineering Mechanics, Material Science, and Environmental Engineering. Areas of concentration are structural engineering, engineering mechanics, geotechnical engineering, transportation engineering, water resources engineering, materials and corrosion engineering, and environmental engineering.

Students completing the program may enter the profession as engineers in the civil, structural, geotechnical, transportation, water resources, environmental, hydraulics, or materials discipline. All of these disciplines share the need for knowledge in the areas of engineering mechanics, civil engineering, material science, and environmental science. The choice of the proper area of concentration, a student has the opportunity to channel academic studies specifically towards his/her career choice.

Graduates of the program may commence their engineering careers in either industry, in engineering consulting firms, or in public service at the federal, state, or local level. Initial assignments may include planning, design and implementation of water resources systems; planning and design of transportation and housing systems; regional planning, design, and management for abatement of air, water and solid waste pollution problems; design of bridges and single and multistory structures; and supervision of construction projects.

COMPUTER SCIENCE AND ENGINEERING

Undergraduate Degrees Offered:
Bachelor of Science in Computer Engineering (B.S.Cp.E.)
Bachelor of Science in Computer Science (B.S.C.S)
Bachelor of Science in Information Systems (B.S.I.S)
Graduate Degrees Offered:
Master of Science in Computer Science (M.S.C.S)
Master of Science in Computer Engineering (M.S.C.E.)
Doctor of Philosophy in Computer Science and Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers coursework and study in all areas fundamental to Computer Science, Computer Engineering, and Information Systems. Topics dealt with are computer architecture and hardware design, software engineering, computer system organization, operating systems, algorithms and data structures, computer graphics, user interface, computer networks, database systems, robotics, theory of computation and artificial intelligence.

Our research areas of faculty concentration are 1) computer architecture and VLSI design/testing, 2) artificial intelligence and robotics, 3) graphics/image processing/computer vision, 4) database, 5) networks.

Computing facilities available to students in the Department include general purpose computer facilities 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 Hyipercube, a number of SUN, DEC, and IBM workstations, and special purpose image and graphics processors. In addition, the Department has access to a large IBM mainframe facility run by the University Computing Center.

ELECTRICAL ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Electrical Engineering (B.S.E.E.)
Graduate Degrees Offered:
Master of Science in Electrical Engineering (M.S.E.E.)
Master of Engineering (M.E.)
Master of Science in Engineering Science (M.S.E.)
Doctor of Philosophy in Electrical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers study in all areas fundamental to Electrical Engineering and the electrical sciences: circuit analysis and design, electronics, communications, electromagnetics, controls, solid state, 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.

INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING

Undergraduate Degree Offered:
Bachelor of Science in Industrial Engineering (B.S.I.E.)
Graduate Degrees Offered:
Master of Science in Industrial Engineering (M.S.I.E.)
Master of Engineering (M.E.)
Master of Science in Engineering Science (M.S.E.S.)
Master of Industrial Engineering (M.I.E.)
Doctor of Philosophy in Industrial Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

This department offers study pertinent to the design, 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. Examinations and off-campus programs
are available through the Master of Science in Engineering
Management (M.S.E.M.) program. The department also ad-
ministers the manufacturing option in the M.S.E. program.

MECHANICAL ENGINEERING
Undergraduate Degree Offered:
Bachelor of Science in Mechanical Engineering (B.S.M.E.)

Graduate Degrees Offered:
Master of Mechanical Engineering (M.M.E.)
Master of Science in Mechanical Engineering (M.S.M.E.)
Master of Engineering (M.E.)
Master of Science in Engineering (M.S.E.)
Doctor of Philosophy in Mechanical Engineering (Ph.D.)
Doctor of Philosophy in Engineering Science (Ph.D.)

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

Graduates of this program are employed in research, de-
sign, production, marketing, service, installation (contracting),
maintenance and operation in such industries as mining,
petroleum, paper, food, power, manufacturing, air-condition-
ing, defense systems, aerospace, data processing, commu-
nications, and automotive.

Laboratories are available for basic instrumentation, ther-
mal 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.

Preliminary Coursework for Engineering Students

Both the four-year and five-year curricula of the College of
Engineering Bachelor of Science programs are founded on a
set of coursework that is required of all engineering students.
This coursework is designed to give each student a thorough
foundation of knowledge on which specialization studies and
a professional career can be based. Emphasis is placed on
three key elements: development of communication skills,
familiarity with the social sciences and humanities and a solid
base in science and mathematics.

Each degree-granting department has developed a list of
courses to provide key elements for the degree offered. While
the specific courses will vary slightly from one department to
another, the categories are as follows:

- General Education Courses
  (Social Sciences, Humanities, Communications)
- Mathematics, Chemistry and Physics
  (Minimum)
- Common Engineering Courses
- Department Specialization
  Special course requirements exist for Chemical Engineer-
ing, Computer Engineering, Computer Science, and Informa-
tion Systems, and students selecting any of those fields should
be aware of their specific requirements. Students may consult
the degree granting department or the College's Advising
Office for detailed information.

1. UNIVERSITY LIBERAL ARTS REQUIREMENTS

All students are required to take 45 semester hours to
complete the University liberal arts requirements. Thirty-six
(36) semester hours will satisfy the general education course
requirements and 6 semester hours will satisfy the exit require-
ments. These requirements are distributed as follows:

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

| Natural Sciences                | 6              |
| Social Sciences                 | 6              |
| Historical Perspectives         | 6              |
| Fine Arts                       | 3              |
| African, Latin American, Middle Eastern or Asian Perspectives | 3 |

Exit Requirements* (Must be taken at USF)
Major Works and Major Issues: 3
Literature and Writing: 3

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

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

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

2. MATHEMATICS AND SCIENCE CORE REQUIREMENTS

In mathematics this coursework consists of a Calculus for
Engineers sequence (or a calculus sequence of equivalent
level), Differential Equations, and additional hours of design-
ated 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 supple-
mental algebra and trigonometry prior to being considered for
acceptance into the College.

FOUR-YEAR PROGRAMS
LEADING TO A BACHELOR OF SCIENCE DEGREE
IN A DESIGNATED ENGINEERING FIELD

These engineering degrees are awarded upon successful
completion of a program consisting of the required areas of
coursework. Programs are offered in the following disciplines of
Engineering:

- CHEMICAL ENGINEERING

Mission Statement

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

Objectives

To Department has defined the following programmatic
objectives. It will provide its students:

1. a significant background exposure to the Humanities and
   Social Sciences leading, through our capstone design
course, to the incorporation of societal values in their prac-
tice.
2. a background in each engineering discipline in order to develop the foundations for effective communication among professionals collaborating in technical decisions.
3. a strong foundation in the engineering and enabling sciences to provide the tools for the analysis of processes involving transformations of matter and energy.
4. a sequence of courses integrating the students foundations in the above engineering and sciences for synthesis of environmental friendly, safe processes involving transformations of matter and energy leading to the selection of process flowsheets, operating conditions and equipment.
5. an interdisciplinary laboratory experience in preparations for careers as researchers or managers of research and development.

Students pursuing the Bachelor of Science in Chemical Engineering take coursework in advanced chemistry, thermodynamics, fluids, heat, and mass transfer, separation processes, reacting systems, instrumentation, and control. Students must also satisfactorily complete a design project as part of their program. Students seeking the biotechnology/biomedical certificate are also required to take additional courses in general biology, microbiology, and biochemistry. Chemical Engineering Students must maintain a GPA of 2.0 in required departmental courses. Therefore, it is imperative that the students retain close contact with their advisor.

Students completing this program normally initiate their careers in manufacturing, environmental, and biological enterprises. Chemical engineers are found in administrative, technical, and research positions in these industries. Main products of these industries are petrochemicals, polymers, fibers, natural and synthetic fuels, electronic materials, fertilizers, pharmaceuticals, bio-materials, etc. Solutions of modern societal and scientific problems often require the use of chemical engineering skills. Chemical Engineering students must have access to an IBM compatible personal computer during their last two years of study. Those who do not own one will be severely disadvantaged.

### Four-Year Curriculum - Chemical Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

In addition to the College's graduation requirements, all graduating seniors must take the Chemical Engineering Fundamentals of Engineering Examination.

#### Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours toward the major. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

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

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

**Mathematics:**
- MAC 2281
- MAC 2311* (4)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>ENC 1101 Freshman English I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2281 Eng. Calculus I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045 General Chemistry I</td>
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<tr>
<td></td>
<td>EGN 3000 Found. of Eng.</td>
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</tr>
<tr>
<td></td>
<td>Historical Perspectives Elective</td>
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</tr>
<tr>
<td></td>
<td>Fine Arts Elective</td>
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</tr>
<tr>
<td></td>
<td>Total</td>
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<tr>
<td>II</td>
<td>ENC 1102 Freshman English II</td>
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<tr>
<td></td>
<td>MAC 2282 Eng. Calculus II</td>
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<tr>
<td></td>
<td>CHM 2046 General Chemistry II</td>
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<tr>
<td></td>
<td>CHM 2045L General Chem. I Lab</td>
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<tr>
<td></td>
<td>PHY 2048 General Physics I</td>
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<tr>
<td></td>
<td>PHY 2049L General Physics I Lab</td>
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<tr>
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<td>ALAMEA Perspectives Elective</td>
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<tr>
<td>III</td>
<td>MAC 2283 Eng. Calculus III</td>
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<td>CHM 2046L General Chem. II Lab</td>
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<td></td>
<td>PHY 2049 General Physics II</td>
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<td>PHY 2049L General Phys. II Lab</td>
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<td></td>
<td>EGN 3311 Statics</td>
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<td>Social Science Elective</td>
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<tr>
<td>IV</td>
<td>MAP 2302 Diff. Equations</td>
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<td></td>
<td>CHM 4410 Physical Chem. I</td>
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<tr>
<td></td>
<td>EGN 3368 Therm. Fluids &amp; HT</td>
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<tr>
<td></td>
<td>EGN 3443 Engineering Statistics</td>
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</tr>
<tr>
<td></td>
<td>EGN 3613 Engineering Econ. with Social and Global Implications</td>
<td>3</td>
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<tr>
<td></td>
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Summer
ECH 4265  PE 2, Sep. Processes  4
ECH 4244L Chem. Eng. Lab II  2
Math/Science Elective  3
Total  9

Semester VII
ECH 4415C PE 3, React. Systems  4
ENC 3211 Comm. for Engineers  3
Ch. E. Elective  3
Design Elective  3
Total  12

Semester VIII
ECH 4615 Plant Design  4
ECH 4323 Automatic Controls I  4
Social Science Elective  3
Elective  3
Total  14

• CIVIL AND ENVIRONMENTAL ENGINEERING

Mission Statement
The mission of the Department of Civil and Environmental Engineering is
1. to provide a high-quality educational experience for both undergraduate and graduate students,
2. to develop new knowledge, processes, or procedures through research which will benefit mankind, and
3. to provide service to the nation through professional activity.

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

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

Objectives
1. The Department will provide undergraduate students with the strong technical education needed for a career in civil engineering or one of the sub-disciplines of civil engineering (structural, geotechnical, transportation, water resources, environmental, materials
2. The Department will provide undergraduate students with an education that prepares them to perform effectively in the workplace with the communication skills needed to deal with fellow workers, clients, or the public.
3. The Department will provide undergraduate students with an education that allows them to understand the societal implications of engineering decisions and designs in both a local and global context.
4. The Department will provide undergraduate students with an education that promotes the full and continuing development of their potential as engineers and effective members of society.

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

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

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

The schedule which follows indicates how a serious, well-prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.

Four-Year Curriculum - Civil Engineering
Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the University's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

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

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

Mathematics:
USF
MAC 2281  MAC 2311* (4)
MAC 2282  MAC 2312* (4)
MAC 2283  MAC 2313* (4)
MAP 2302  MAP 2302 (3)

CIC
2000/2001 UNDERGRADUATE

Natural Sciences:

USF

CHM 2045  C/C  CHM 1045* (3)
CHM 2045L  CHM 1045L* (1)
PHY 2048  PHY 2048 (3)
PHY 2048L  PHY 2048L (1)
PHY 2049  PHY 2049 (3)
PHY 2049L  PHY 2049L (1)

*or MAC 2281, MAC 2282, MAC 2283

Semester I

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

Semester II

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

Summer Semester

ALAMEA Perspective Elective  3
Historical Perspective Elective  3
EGN XXX  Engineering economics with Social and Global Implications  3
Total 9

Semester III

PHY 2049  General Physics II  3
PHY 2049L  General Physics II Lab  1
MAC 2283  Engineering Calculus III  4
EGN 3311  Statics  3
Historical Perspectives Elective  3
ENC 3211  Communication for Engineers  3
Total 17

Semester IV

MAP 2302  Differential equations  3
EGN 3321  Dynamics  3
EGN 3343  Thermodynamics  3
EGN 3443  Engineering Statistics  3
EGN 3365  Materials I  3
Total 15

Semester V

EGN 3353  Fluid Mechanics  3
EGN 3331  Mechanics of Materials  3
EGN 3331L  Mechanics of Materials Lab  1
EGN 3373  Introduction to Electrical Systems  3
TTE 4004  Transportation I  3

CGN 4933  Numerical and Computer Methods  3
Total 16

Semester VI

CES 3102  Structures I  3
CWR 4204  Hydraulics  3
ENV 3001  Environmental Engineering  3
CGN 3021L  Civil Engineering Lab  2
GLY 3850  Geology for Engineers  3
Total 14

Semester VII

CES 4605  Concepts of Steel Design  3
CES 4702  Concepts of Concrete Design  3
CEG 4011  Soil Mechanics  3
CEG 4011L  Soil Mechanics Lab  1
Social Science Elective  3
Technical Elective  3
Total 15

The Department offers the following Capstone Design Courses

CWR 4812  Capstone Water Resource Design  3
CEG 4850  Capstone Geotechnical/Transportation Design  3
CES 4740  Capstone Structural/Geotechnical/ Materials Design  3
Total 9

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  Concrete Construction Materials  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  Concrete Construction Materials  3

Structural

CES 4141  Matrix Structural Analysis  3
CES 4820  Timber & Masonry Design  3
CES 4561  Computer Aided Structural Design  3
CGN 4851  Concrete Construction Materials  3
EMA 4324  Corrosion of Engineering Materials  3
**CES 4720  Capstone Structural/Materials Design  3
**CES 4740  Capstone Structural/Geotechnical Design  3
**If not used to satisfy Capstone Design requirements

CIVIL ENGINEERING CAPSTONE DESIGN REQUIREMENTS

A student must complete the capstone design course in his/her area of concentration.
### Materials

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### Environmental Engineering Concentration

**Within Civil Engineering**

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<td>General Chemistry I</td>
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<td>EGN 3000</td>
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<td>EGS 1113</td>
<td>Introduction to Design Graphics</td>
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### Computer Science and Engineering

**Mission Statement**

In keeping with the mission of the College of Engineering, the Computer Science & Engineering Department strive for excellence in teaching, research, and public service. Specifically the Department aspires to:

1. Lead the advancement of computer science through internationally recognized research and graduate education, as well as technology transfer to regional industries;
2. Prepare students for full and ethical participation in a diverse society and encourage lifelong learning;
3. To educate undergraduates in the best practices of the field as well as integrate the latest research into the curriculum;
4. Foster the development of problem solving and communication skills as an integral component of the profession;
5. Provide quality learning experiences through small classes, active learning styles of teaching, and opportunities for meaningful interactions between students and faculty.

**Objectives**

The Computer Science & Engineering Department graduates will:

1. Be equipped with the knowledge and skills necessary to allow immediate employment as computer science and engineering professionals or to secure admission to graduate programs.
2. Be prepared to function ethically and responsibly as full participants in our profession and our society.
3. Have a thorough knowledge of the basic principles and practices of computing grounded upon the solid foundation of the principles of mathematics and science.
4. Have a thorough knowledge of the basic principles and practices of engineering based upon a solid foundation of mathematics and science and an ability to apply these principles in the computing domain.

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

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

The Computer Science track focuses on the theory of computation and computer organization. Additional course
work in programming languages, algorithms, software engineering, and a wide range of electives supplement the core covering of hardware and software.

The Information Systems track combines a basic coverage of hardware and software with a core of business related courses and additional course work in areas such as networks and database. The emphasis in this track is on the application of computing.

Graduates from these programs follow fruitful careers developing either scientific or business applications of computers, as well as in the design of computer systems. They are often involved in the systems level definition of information processing complexes for both manufacturers of computers and for users. A wide and expanding variety of design and applications opportunities characterize this field. The rapid growth and continual change within this field makes it essential for students to acquire a broad foundation in applied mathematics and the physical sciences, and to develop communication skills and to become familiar with the domains of potential computer application in the Humanities and Social Sciences. Research and development opportunities as a computer scientist and engineer, often following graduate education, are present in the areas of computer architecture and very large design, artificial intelligence, software engineering, digital data communications, multimedia, robotics, database, networks, user interface, fault-tolerant computing and testing, computer graphics, image processing and computer vision, and simulation.

The schedules which follow indicate how a serious, well prepared student who can devote full time to coursework can satisfy degree requirements in four academic years. Students without a solid foundation and those who cannot devote full time to academics should plan on a slower pace.

### Four-Year Curriculum in Computer Science

In addition to the College's graduation requirements, the department has the policy of not accepting any D grade in department courses.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College**: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the University's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

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

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

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*or CHS 1440 Chemistry for Engineers

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.
### Four-Year Curriculum in Computer Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

In addition to the College’s graduation requirements, the department has the policy of not accepting any D grade in department courses.

#### Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College

If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

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

**Natural Sciences:**
- USF
  - CHM 2045
  - CHM 2045L
  - PHY 2048
  - PHY 2048L
  - PHY 2049
  - PHY 2049L
- *or CHS 1440 Chemistry for Engineers

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

#### Engineering Admissions Requirements

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better. Additional restrictions apply for admission to the Department of Computer Science and Engineering.

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<td>ALAMEA Elective</td>
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<td>EGN XXXX</td>
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<td>Science Elective</td>
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#### Four-Year Curriculum in Information Systems

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.
In addition to the College's graduation requirements, the department has the policy of not accepting any D grade in department courses.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College:** If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Students should complete the following **prerequisite courses** listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

**Mathematics:**
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<td>MAC 2312*</td>
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<td>MAC 2313*</td>
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<td>MAC 2302</td>
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<td>*or MAC 2281, MAC 2282, MAC 2283</td>
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**Natural Sciences:**
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<td>CHM 1045L*</td>
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<td>PHY 2049L</td>
<td>PHY 2049L</td>
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<td>*or CHS 1440 Chemistry for Engineers</td>
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**Strongly recommended:**

**Business Courses**
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**Economics**
- ECO 2013  (3)
- ECO 2023  (3)

**Programming Concepts**
- EGN 2510  (3)
- COP 2120  (3)

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the University, and qualitative standards required.

**Engineering Admissions Requirements**

Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

**Semester I**
- MAC 2281/2233  Calculus I (4)
- ENC 1101  Freshman English I (3)
- AGC 2021  Principles of Accounting I (3)
- Social Science Elective (3)
- Total (13)

**Semester II**
- MAC 2282/2234  Calculus II (4)
- ENC 1102  Freshman English II (3)
- PHY 2048/2053  Physics I (3)
- PHY 2048L/2053L  Physics I Lab (1)
- COP 2510  Programming Concepts (3)
- Total (14)

**Summer Semester**
- PHY 2049/2054  Physics II (3)
- PHY 2049L/2054L  Physics II Lab (1)
- ECO 2013  Macroeconomics (3)
- STA 2023  Intro to Statistics (3)
- Total (10)

**Semester III**
- CDA 3100  Computer Organization (3)
- COT 3100  Intro Discrete Str (3)
- COP 3514  Program Design (3)
- ECO 2023  Microeconomics (3)
- Historical Perspectives Elect (3)
- Total (15)

**Semester IV**
- EEL 4851  Data Structures (3)
- MAN 3023  Principles of Management (3)
- ALAMEA Elective (3)
- Social Science Elective (3)
- Total (15)

**Semester V**
- COP 4600  Operating Systems (3)
- EGN XXX  Engineering Econ. with Social and Global Implications (3)
- EGN 4450  Linear Systems (2)
- ENC 3211  Comm. For Engineers (3)
- CS&E Software Elective (3)
- Total (14)

**Semester VI**
- CEN 4020  Software Engineering (3)
- Fine Arts Elective (3)
- CS&E Software Elective (3)
- CS&E Elective (3)
- Total (15)

**Semester VII**
- Historical Perspectives Elect (3)
- CS&E Theory Elective (3)
- CS&E Software Elective (3)
- CS&E Elective (3)
- Science Elective (3)
- Total (15)

**Semester VIII**
- CEN 4022  Software System Development (3)
- CIS 4250  Ethical Issues (3)
- CS&E Elective (3)
- Total (12)

### ELECTRICAL ENGINEERING

**Mission Statement**

The mission of the Electrical Engineering Department at the University of South Florida is to provide internationally recognized educational programs for students seeking a career in the Electrical Engineering profession and related fields; to conduct internationally recognized research which benefits humanity and to widely disseminate these findings; to utilize the resources of the program to provide service to society; and to emphasize to students the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which engineering is practiced.
Objectives
The Department objectives are to produce graduates
1. with a sound background in mathematics, science and modern Electrical Engineering principles/tools in order to develop technical skills necessary for Electrical Engineering practice. Also, produce graduates who can pursue advanced topics through graduate or professional studies.
2. who can apply the knowledge of electrical engineering principles to the design, evaluation and optimization of devices, components and systems that meet performance criteria including safety, economic and environmental concerns.
3. with effective communication, interpersonal and problem solving skills that will enable them to practice electrical engineering successfully as individuals or as members of multidisciplinary teams, and instill in them the need for high ethical standards as well as the need to continue their professional development throughout their entire careers.
4. with an appreciation of contemporary issues facing society including cultural and societal values for successful personal/professional lives.

Students pursuing the Bachelor of Science in Electrical Engineering program take designated coursework in network analysis, electronics, communications, electromagnetic theory, control systems, microelectronics and microprocessors. This coursework is supplemented by electives in many special 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.

Four-Year Curriculum in Electrical Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

Communications:
ENC 1101/1102 English I and II (6)
Humanities & Social Sciences:
Humanities Courses (6)

Social Science Courses (6)
Humanities or Social Sciences (3)

Mathematics:
USF
MAC 2281 MAC 2311* (4)
MAC 2282 MAC 2312* (4)
MAC 2283 MAC 2313* (4)
MAP 2302 MAP 2302 (3)

*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:
USF
CHM 2045 CHM 1045* (3)
CHM 2045L CHM 1045L* (1)
PHY 2048 PHY 2048 (3)
PHY 2048L PHY 2048L (1)
PHY 2049 PHY 2049 (3)
PHY 2049L PHY 2049L (1)

*or CHS 1440 Chemistry for Engineers

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester 1
ENC 1101 English Comp. I
MAC 2281 Eng. Calculus I
Social Science Elective
Fine Arts Elective
EGN 2031 History of Technology
Total 16

Semester 2
ENC 1102 English Comp. II
MAC 2282 Eng. Calculus II
PHY 2048 Physics I
PHY 2048L Physics Lab I
CHM 2045 Chemistry I
CHM 2045L Chemistry Lab I
EGN 3000 Foundations of Engineering
Total 16

Semester 3
MAC 2283 Eng. Calculus III
PHY 2049 Physics II
PHY 2049L Physics Lab II
EGN 3443 Eng. Prob. and Statistics
EGN XXX Eng. Econ. with Social and
Global Implications
Total 14

Semester 4
MAP 2302 Differential Equations
EGN XXX Engineering Analysis
EGN 3373 Electrical Systems I
EEL 2161 EE Computing Methods
EGN XXX Eng. Electronic Materials
Total 15

Summer Term
EGN 2081 History of Electrotechnology
EEL 4935 SP: Elec. Systems Environments
ENC 3211 Comm. for Engineers
Total 9

Semester 5
EEL 3100 Network Analysis
EEL 4705 Logic Design
Total 3
EEL 4705L Logic Lab 1
EEL 3301L Lab I 1
EEL 4472 Intro. to EM* 3
EEL 4351 Semiconductor Devices 3
Total 14

Semester 6
EEL 4102 Linear Systems Anal. 3
EEL 3XXX Indus. Mach. & Power Appl. 2
EEL 4744 Microprocessors 3
EEL 4744L Microprocessor Lab 4
EEL 3302 Electronics I 3
EEL XXX Wireless Lab 2
Total 14

Semester 7
EEL 4906 Prof. Issues & Eng. Design* 3
EEL 4565 Lab II 3
EEL 4657 Linear Systems Controls 3
EEL 4657L Controls Lab 5
EEL 4102 Electronics II 3
EEL 4512 Communication Systems 3
Total 14
*This course fulfills a Major Works/Major Issues Requirement

Semester 8
EEL XXX Design Project 3
Tech Elective 3
Tech Elective 4
Tech Elective 3
ALAMEA 3
Total 16

• INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING

Mission Statement
The mission of the IMSE Department is to provide students with a high quality education which integrates the latest research and practices of the field into the curriculum; to pursue excellence in basic and applied research in the field of Industrial and Management Systems Engineering; and to provide service to the profession and to society.

Objectives
The Department's objectives are to provide students
1. with an understanding of general engineering principles, and the underlying mathematical and scientific principles.
2. with a thorough understanding of the principles and practices of industrial and systems engineering and the related mathematical and scientific principles.
3. with an understanding of the basic human and business context in which engineering activities take place.
4. with the ability to think creatively, to communicate effectively, and to work on inter-disciplinary teams.
5. to succeed in engineering employment, graduate studies, and society.

Students pursuing the Bachelor of Science in Industrial Engineering degree program take designated, specialized coursework in industrial processes, work analysis, production control, facilities design, operations research, human factors, computer simulation, quality control, and robotics and automation. This coursework is supplemented by engineering electives and comprehensive industrial engineering design projects.

Students completing this program are prepared for graduate study or for careers in a broad range of industries, business, and non-engineering 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.

Four-Year Curriculum in Industrial and Management Systems Engineering

Courses indicated with XXXX had not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

Mathematics:

USF
MAC 2281 MAC 2311* (4)
MAC 2282 MAC 2312* (4)
MAC 2283 MAC 2313* (4)
MAP 2302 MAP 2302 (3)
*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:

USF
CHM 2045 CHM 1045* (3)
CHM 2045L CHM 1045L* (1)
PHY 2049 PHY 2049 (3)
PHY 2049L PHY 2049L (1)
PHY 2049 PHY 2049 (3)
PHY 2049L PHY 2049L (1)
*or CHS 1440 Chemistry for Engineers

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester I
CHM 2041 Chemistry I 3
CHM 2045L Chemistry I Lab 1
EGN 3000 Foundations of Engineering 3
ENC 1101 Freshman English I 4
MAC 2281 Eng. Calcullus I 3
Social Science Elective 3
Total 15
Semester II
- CHM 2042 Chemistry II 3
- EGN 2031 History of Technology 3
- ENC 1102 Freshman English 3
- MAC 2282 Eng. Calculus II 4
- PHY 2048L Physics I Lab 3
- PHY 2048L Physics I Lab 3
- Total 17

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

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

Summer Term
- EGN 1113 Engineering Graphics 3
- EGN 3xx Elective, Engineering Econ. with Social and Global Implications 3
- ALAM EA Elective 3
- Total 9

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

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

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

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

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

Objectives
The Objectives of the Undergraduate Program in Mechanical Engineering are:
1. to teach students to understand and to apply concepts of basic science, mathematics, computation, and engineering science essential to professional practice;
2. to train students in the design of experiments, in proper instrumentation methods, in the techniques of modern data acquisition and in methods of data interpretation;
3. to develop those skills essential to the design process, including problem formulation, synthesis, analysis, construction and testing and/or evaluation;
4. to enhance those talents necessary for effective professional interaction including multi-disciplinary collaboration, successful oral communication and effective writing, and;
5. to encourage an understanding of technology within a global/societal context, the need for continued professional development, the importance of professional responsibility and the ethics of professional practice.

Students pursuing the Bachelor of Science in Mechanical Engineering program take coursework in thermodynamics and heat transfer; instrumentation and measurements, energy conversion systems, solid and fluid mechanics, dynamics, machine analysis and design, mechanical design, and controls. This is supplemented by elective coursework in such areas as power plant analysis, refrigeration and air conditioning, mechanical design, advanced mechanics, heat transfer, robotics, propulsion, vibrations, computer-aided design, manufacturing, composite materials, and aerodynamics.

Students completing this program normally enter careers in a wide range of industries which either produce mechanical products or rely on machines, mechanical devices and systems to produce electricity, petroleum products, foods, textiles, building materials, etc. Mechanical Engineering graduates may follow careers in such fields as transportation, power generation, manufacturing, instrumentation, automatic control, machine design, construction, refrigeration, heating and air conditioning, aerospace, defense and all the process industries (foods, textiles, petrochemicals, pharmaceuticals, etc.). There are abundant career opportunities in a wide range of industries because mechanical equipment is required in every aspect of industrial production.

Four-Year Curriculum in Mechanical Engineering

Courses indicated with XXXX have not yet been assigned a number when the catalog went to print. See your academic advisor for additional information.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.
Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

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

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

Mathematics:
- USF CIC
- MAC 2281 MAC 2311* (4)
- MAC 2282 MAC 2312* (4)
- MAC 2283 MAC 2313* (4)
- MAP 2302 MAP 2302 (3)
- *or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:
- USF CIC
- CHM 2045 CHM 1045* (3)
- CHM 2045L CHM 1045L* (1)
- PHY 2048 PHY 2048 (3)
- PHY 2048L PHY 2048L (1)
- PHY 2049 PHY 2049 (3)
- PHY 2049L PHY 2049L (1)
- *or ChS 1440 Chemistry for Engineers

Strongly recommended:
- Graphics
- USF CIC
- EGS 1113 EGS 1111 (3)

This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

Engineering Admissions Requirements
Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

Semester I
- ENC 1101 Freshman English I 3
- MAC 2281 Engineering Calculus I 4
- CHM 2045 General Chemistry I 4
- CHM 2045L Chemistry Lab I 1
- EGS 1113 Intro to Design Graphics 3
- EGN 3000 Foundations of Engineering 1

Total 15

Semester II
- ENC 1102 Freshman English II 3
- MAC 2282 Engineering Calculus II 4
- PHY 2048 General Physics I 3
- PHY 2048L General Physics I Lab 1
- Fine Arts Elective 3

Total 15

Semester III
- MAC 2283 Engineering Calculus III 4
- PHY 2049 General Physics II 3
- PHY 2049L General Physics II Lab 1
- EGN 3311 Statics 3
- Social Science Elective 3

Total 14

Semester IV
- MAP 2302 Differential Equations 3

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

Total 15

Summer Term
- EGN 3443 Eng Statistics & Prob. 3
EGN 3343 Thermodynamics I 3
EML 3500 Mechanics of Solids 3
EGN 2031 History of Technology 3

Total 12

Semester V
- EML 3762 Kin. & Dyn. of Machinery 3
EML 4041 Computational Methods 4
EML 3701 Fluid Systems 3
EML 3211 Comm. for Engineers 3
Mechanics Tech Elective 3

Total 16

Semester VI
- EML 4501 Machine Design 3
EML 3303 Mechanical Engineering Lab I 3
EML 4412 Heat Transfer I 3
EML 4106 Thermal Syst. 3
EGN 3613 Eng. Eco. with Social & Global Impl. 3

Total 15

Semester VII
- EML XXX Mechanical Manufacturing Processes 3
EML 4302 Mechanical Engineering Lab II 3
EML 4220 Vibrations 3
EML 4551 Capstone Design (MWMI) 3
ALAMEA Perspectives Elective 3

Total 15

Semester VIII
- EML 4312 Mechanical Controls 3
Social Science Elective 3
Approved Technical/Design Elective 3
Natural Science Elective* 3

Total 12

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

College Regulations

1. GENERAL EDUCATION REQUIREMENTS

While the Engineering undergraduate student is expected to complete certain requirements during the first two years of study which are directed toward the humanities and social sciences, and which are fulfilled by the completion of the General Education requirements of the University, the College of Engineering expects more of its prospective engineering graduates than this minimum. The engineer must not only be a technically competent individual, but must also be a person who can understand, adjust and contribute to the social environment.

Students who transfer from a State of Florida community college with an Associate of Arts degree and who have met that college’s General Education Requirement will find their General Education coursework satisfies the University General Education Requirements.

All Engineering students must complete the USF Exit Requirements. The Literature and Writing portion can be met by completing ENC 3211 Communication for Engineers.

2. ENGLISH REQUIREMENT

Students who have been admitted to the College of Engineering may be required to take an examination in order to evaluate their preparedness in the use and understanding of the English language. The faculty of the University’s English
program will administer the examination. Students evidencing an English deficiency will be required to initiate the necessary corrective programs, with the assistance of their advisors. It is recognized that such deficiencies can exist even though a student has met the University's minimum English requirements. Correction of any deficiency must commence the term after a student has been notified and must be completed prior to recommendation of the student for graduation by the faculty of the College. See Continuation and Graduation Requirements below for minimum grade requirements.

3. MATHEMATICS REQUIREMENTS

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 subjects and problem solving that is over and above their regular degree requirements. Faculty of the College who encounter students who are deficient in their mathematical ability will refer such cases to the Advising Office.

4. CONTINUATION AND GRADUATION REQUIREMENTS

To meet graduation requirements all undergraduate students must maintain above the minimum cumulative overall GPA of 2.00. In addition the College of Engineering also requires undergraduate students to maintain a minimum of 2.0 GPA in all engineering courses attempted, as well as 2.0 GPA in all courses attempted in their specialization. In no case will the minimum GPA for a category be less than 2.0. It is the student's responsibility to make sure that every GPA in all departmental requirements. In addition to the completion of the coursework and/or project requirements of the respective program of the College, students must be recommended for their degrees by the faculty of the College.

Students who do not maintain the required minimums of the program pursued in each category are ineligible for further registration in the College unless individually designated continuation programs are recommended by the student's academic advisor and approved by the department chairperson and the Engineering Associate Dean for Academic Affairs. All students who are academically dismissed from the University will be denied readmission to the College of Engineering unless readmission requirements in effect at the time of recommendation are met and are recommended for readmission by the department and the Associate Dean for Academic Affairs.

Students who register for a course three times without receiving a grade "D" or better (i.e., receive grades of W or F) will be denied further enrollment in the College of Engineering unless written permission is obtained from the department chairperson and the College Associate Dean for Academic Affairs.

Students pursuing College of Engineering degree programs are expected to take their courses on a graded basis (ABCDF). Exceptions require written approval of the department advisor prior to registration.

Each engineering student is required to complete the Application for Graduation - Check List and submit it to the College of Engineering Advising Office by the drop date of the term prior to the semester in which graduation is sought. Completion of this form is a requirement for graduation. Effective fall of 1987 all students pursuing Bachelor of Science degree programs in Civil or Mechanical Engineering will be required to take the Fundamentals of Engineering Exam of the State Board of Professional Regulation at least one term prior to the term of anticipated graduation. Effective fall of 2000 students pursuing Bachelor of Science in Chemical Engineering will be required to take the discipline oriented Fundamentals of Engineering exam. Engineering students in other disciplines are strongly encouraged to do the same. (See the College Advising Office for applications and information.)

5. TRANSFER CREDIT

The USF College of Engineering will allow transfer credit when appropriate if the transferred course has been passed. In some cases credit for a course may be granted, but the hours accepted may be less than the hours earned at another school. While credit for work at other institutions may be granted subject to the conditions of the previous paragraph, a minimum of thirty semester hours of engineering coursework specified by the degree-granting department is required for a baccalaureate degree.

FIVE-YEAR PROGRAMS LEADING TO BACHELORS AND MASTERS DEGREES IN ENGINEERING

Students who, at the beginning of their senior year, are clearly interested in graduate study are invited to pursue a Five-Year Program of study leading simultaneously to the Bachelor of Science in Engineering or Engineering Science and Master of Science in Engineering or Engineering Science degrees. The general basis of the five-year program includes:

1. A two-year research program extending through the fourth and fifth year.
2. The opportunity of taking some graduate courses during the fourth year and deferring the taking of some senior courses to the fifth year. The requirements of the combined degrees do not differ from those for the two degrees pursued separately.

Students apply for admission to this program through their advisor, who should be consulted when additional information is needed. Departmental expectations and general admission requirements include:

1. Senior standing (90 credits) with at least 16 upper level engineering credits completed at the University of South Florida with a 3.0 GPA.
2. A minimum score of 1000 on the verbal and quantitative portions of the Graduate Records Examination.
3. Above-average performance in the chosen Engineering program.

Certificate Programs

CERTIFICATE IN BIOMEDICAL ENGINEERING

The Certificate in Biomedical Engineering provides students an opportunity to get an introduction to a rapidly developing field of study and to receive recognition for their endeavors. Students in the program must fulfill all the requirements for an Engineering undergraduate degree, such as Bachelor of Science in Chemical Engineering and also meet the additional requirements of the Certificate program.

Chemistry/Biology (10 hours min.)

BSC 2010 Biology II - Cellular Processes*
BCH 3023 Biochemistry**

One of the following Organic Chemistry sequences:
CHM 2210 Organic Chemistry I*
CHM 2211 Organic Chemistry II*
CHM 2200 Organic Chemistry**

Other "human sciences" (6 hrs. min.)

PSY 3044 Experimental Psychology**

One of the following:

PET 3310 Kinesiology
PET 3351 Exercise Physiology I
EXP 4104 Sensory Processes  
PSB 4013C 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 5245L 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 minimum of 9 hours must be in engineering courses.  
These courses marked SC are specifically designed for the non-engineering student.

**CERTIFICATE OF ENHANCEMENT**

The Certificate of Enhancement in (a designated engineering discipline) provides students an opportunity to gain an enhanced experience in their chosen field while pursuing an engineering degree and to permit them to receive recognition for the same requirements.

Requirements:
1. Enrolled in a Bachelor of Science degree program in a specified engineering discipline.
2. A minimum of 15 hours of additional elective courses, not included as a part of the B. S. degree, from an approved list. Courses must be taken on a letter-grade basis, and a minimum of 9 hours must be in engineering courses.
3. A G.P.A. of 2.0 or greater for the additional hours.
4. The student must receive the engineering degree to receive the Certificate of Enhancement.

Please contact the appropriate department chairperson to be accepted in the program.

**Computer Service (SC) Courses**

These courses marked SC are specifically designed for the non-engineering student.

Recognizing that the general purpose digital computer has made significant contributions to the advancement of all areas of the academic community and that it will have an ever greater impact in the future, the College of Engineering offers four levels of credit coursework, both undergraduate and graduate, to serve students of all colleges in order that they may be prepared to meet the computer challenge.

Computer-oriented courses are offered in two broad categories: (1) those courses which are concerned with the operation, organization and programming of computers and computer systems from the viewpoint of examining the fundamental principles involved in computer usage; and (2) those courses which are concerned with computer applications to a variety of different disciplines, by means of user-oriented languages such as FORTRAN, COBOL, BASIC, "C," JAVA, VISUAL BASIC, and ADA.

Students in engineering, the physical sciences, and mathematics must consult their advisor for suitable computer courses, since these courses are not acceptable to a number of degree programs.

**College Facilities**

Each of the departments has several modern well-equipped laboratories that are used for undergraduate teaching. Some examples of specialized equipment available are a scanning electron microscope, a gas chromatograph mass spectrometer, a 250,000 lb. material testing machine, several microprocessor-based control systems, industrial robots, a low turbulence subsonic wind tunnel, computer numerical controlled machinery, metal organic chemical vapor deposition systems, and integrated circuits design workstations.

**College Computing Facilities**

The College of Engineering Computing Facilities are used to provide support for specialized engineering calculations above and beyond those that are available at the IBM based Central Florida Regional Data Center (CFRDC). The College of Engineering operates a cluster of file and computer servers for students and faculty within the College. These consist of SUN servers and four Ardent multiprocessors mini-supercomputers. The networks provide access from offices and laboratories, computer rooms and dial-in facilities. All machines are configured for e-mail and access to Internet. Conventional asynchronous links to the campus central facility will eventually be supplemented with an Ethernet link.

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

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

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

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

**Cooperative Education Program**

A wide variety of industries and government agencies have established cooperative programs for engineering students to provide them the opportunity to become familiar with the practical aspects of industrial operations and engineering careers. Students in the Career Resource Center's Cooperative Education (Co-op) program alternate periods of paid employment in their major field with periods of study. Students following the Co-op program usually encounter no problems in scheduling their program, since required Social Science and Humanities, Mathematics and Science, and Engineering Common courses are offered during the school year. Students normally apply for participation in this program during their sophomore year and pursue actual Co-op employment during their sophomore and junior years. The senior year is generally pursued on a full-time study basis, since many specialization courses are not offered every semester. The students receive a Cooperative Education Certificate upon successful completion of a minimum of two work assignments.
Southern Technology Applications Center (STAC)

The Space Act of 1958 directed NASA "to provide the widest practical and appropriate dissemination of information concerning its activities and results thereof." In order to pursue this mandate NASA established a network of Industrial Applications Centers (IACS) to disseminate and transfer NASA technology, products and processes to the private sector.

In 1977 NASA and the State University System of Florida combined resources to form the Southern Technology Applications Center which operated a regional IAC in the state of Florida. STAC is a not-for-profit 501.C3 Corporation partially supported by NASA and SUS grants and its effective network of experts and resources are located at the colleges of Engineering at six of the SUS universities.

In December 1991 the NASA IAC Network was reorganized to provide comprehensive technology transfer and academic 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


CIVIL AND ENVIRONMENTAL ENGINEERING


COMPUTER SCIENCE AND ENGINEERING


ELECTRICAL ENGINEERING


INDUSTRIAL AND MANAGEMENT SYSTEMS


MECHANICAL ENGINEERING


ENGINEERING COURSES

BASIC AND INTERDISCIPLINARY ENGINEERING

EGN 2031 History of Technology - HP (3)
EGN 2082 History of Electrotechnology - HP (15)
EGN 2210 Computer Tools for Engineers (3)
EGN 3000 Foundations of Engineering (1)
EGN 3000L Foundations of Engineering Laboratory (2)
EGN 3311 Statics (3)
EGN 3321 Dynamics (3)
EGN 3331 Mechanics of Materials (3)
EGN 3331L Mechanics of Materials Laboratory (1)
EGN 3343 Thermodynamics I (3)
EGN 3353 Basic Fluid Mechanics (3)
EGN 3365 Materials Engineering I (3)
EGN 3373 Introduction to Electrical Systems I (3)
EGN 3374 Introduction to Electrical Systems II (3)
EGN 3375 Introduction to Electrical Systems III (3)
EGN 3433 System Dynamics (3)
EGN 3443 Engineering Statistics I (3)
EGN 3613C Engineering Economy I (3)
EGN 4395 Materials Engineering II (3)
EGN 4420 Numerical Methods of Analysis (2)
EGN 4450 Introduction to Linear Systems (2)
EGN 4831 Technology and Society - MW (3)
EGN 4905 Independent Study (1-5)
EGN 4930 Special Topics in Engineering (1-3)
EGN 5421 Engineering Applications for Vector Analysis (3)
EGN 5422 Engineering Applications of Partial Differential Equations (3)
EGN 5423 Natural Networks and Mathematical Communication (3)
EGN 5424 Engineering Applications of Complex Analysis (3)
EGN 5425 Engineering Applications of Advanced Matrix Computations (3)
EGS 1113 Introduction to Design Graphics (3)
ESI 4161C Computers in Industrial Engineering (3)
ESI 4313 Probabilistic O. R. (3)
CHEMICAL ENGINEERING
ECH 3023 Introduction to Process Engineering (3)
ECH 3564C Transport Processes I (3)
ECH 3702 Instrument Systems I (3)
ECH 4123C Phase and Chemical Equilibria (3)
ECH 4244L Chemical Engineering Laboratory II (2)
ECH 4265C Transport Processes II (3)
ECH 440C Computer Systems I (3)
ECH 4415C Reacting Systems (3)
ECH 4605 Strategies of Process Engineering (3)
ECH 4615 Plant Design and Optimization -MW (3)
ECH 4750C Independent Research (1-1.5)
ECH 4930 Special Topics in Chemical Engineering I (1-4)
ECH 4931 Special Topics in Chemical Engineering II (1-4)
ECH 5285 Transport Phenomena (3)
ECH 5295 Special Topics II (3)
ECH 5740 Theory and Design of Bioprocesses (3)
ECH 5742 Pharmaceutical Engineering (3)
ECH 5746 Introduction to Biomedical Engineering (3)
ECH 5747C Selected Topics in Chemical Engineering (3)
Biotechnology
ECH 5748 Selected Topics in Biomedical Engineering (1-3)
ECH 5820 Product Development (2)
ECH 5910 Directed Research in Bioengineering (3)
ECH 5930 Special Topics III (1-4)
ECH 5931 Special Topics IV (1-4)

CIVIL AND ENVIRONMENTAL ENGINEERING
CEG 4011 Soil Mechanics I (3)
CEG 4011L Geotechnical Laboratory (1)
CEG 4012 Soil Mechanics II (3)
CEG 4801 Geotechnical Design (3)
CEG 4850 Capstone Geotechnical/Transportation Design -MW (3)
CEG 5115 Foundation Engineering (2)
CEG 5205 Laboratory Testing for Geotechnical Engineers (1)
CES 3102 Structures I (3)
CES 4000 Structures and The Urban Environment for Non-Engineers -6A MW (3)
CES 4141 Matrix Structural Analysis (3)
CES 4561 Computer Aided Structural Design (3)
CES 4605 Concepts of Steel Design (3)
CES 4619 Structural Design Steel (3)
CES 4702 Concepts of Concrete Design (3)
CES 4704 Structural Design-Concrete (3)
CES 4720 Capstone Structural/Materials Design (3)
CES 4740 Capstone Structural/Geotechnical Design -MW (3)
CES 4742 Concepts of Structural Design (3)
CES 4820C Timber and Masonry Design (3)
CES 5105C Advanced Mechanics of Materials I (3)
CES 5205 Structural Dynamics (3)
CES 5175C Prestressed Concrete (3)
CGN 3021L Civil Engineering Laboratory (2)
CGN 4122 Professional and Ethical Issues in Engineering -MW (3)
CGN 4851 Concrete Construction Materials (3)
CGN 4925 Independent Study (1-5)
CGN 4911 Research in Civil Engineering and Mechanics (1-4)
CGN 4914 Senior Project (2-5)
CGN 4933 Special Topics in Civil and Environmental Engineering and Mechanics (1-5)
CGN 5933 Special Topics in Civil Engineering and Mechanics (1-5)
CWR 4103 Water Resources Engineering (3)
CWR 4202 Hydraulics (3)
CWR 4810 Hydraulic Design (3)
CWR 4812 Capstone Water Resources Design -MW (3)
EMA 4324 Corrosion of Engineering Materials I (3)
EMA 5326 Corrosion Control (3)
ENV 3001 Environmental Engineering (3)
ENV 4004L Environmental Engineering Laboratory (3)
ENV 4410 Air Pollution Control (3)
ENV 4431 Solid Waste Engineering (3)
ENV 4460 Chemical Aspects of Environmental Engineering (3)
ENV 4417 Water Quality and Treatment (3)
ENV 4432 Water Systems Design (3)
ENV 4502 Environmental Unit Operations (3)
ENV 4503 Environmental Unit Processes (3)
ENV 4895 Capstone Environmental Design -MW (3)
ENV 5105 Air Resource Management (3)
ENV 5345 Solid And Hazardous Waste Control (3)
ENV 5614 Environmental Risk Analysis (3)
SUR 210C Engineering Land Surveying (3)
TTE 4004 Transportation Engineering I (3)
TTE 4005 Transportation Engineering II (3)

COMPUTER SCIENCE AND ENGINEERING
CAP 5400 Digital Image Processing (3)
CAP 5525 Introduction to Artificial Intelligence (3)
CAP 5532 Expert And Artificial Systems (3)
CDA 3201 Computer Logic Design (3)
CDA 3201L Computer Logic Design Lab (1)
CDA 4100 Computer Organization and Architecture (3)
CDA 4205 Computer System Design (3)
CDA 4203L Computer System Design Lab (1)
CDA 5405 Modeling Computer System Performance I (3)
CDA 5406 Modeling Computer System Performance II (3)
CEN 4502 Software Engineering (3)
CEN 4721 User Interface Design (3)
CGS 2060 SC Introduction to Computers and Programming in Basic -6A MW (3)
CGS 2082 Computers And Society (3)
CGS 2260 SC Mini-Computer Applications (3)
CGS 3462 SC Pascal Programming (3)
CGS 3463 SC GPSS Simulation (3)
CGS 3464 SC Simscript Simulation (3)
CGS 3466 SC Introduction to Unix and C (3)
CIS 4250 Ethical Issues And Professional Conduct -6A MW (3)
CIS 4900 Independent Study In Computer Science (3)
CIS 4910 Computer Science Project (2)
CIS 4930 Special Topics in Computer Science I (3)
COP 2000L Computer Science Laboratory (1)
COP 2002 Introduction to Computer Science (3)
COP 2120 SC Cobol Programming I (3)
COP 2121 SC Cobol Programming II (3)
COP 2200 SC Fortran Programming (3)
COP 2400 Computer Systems (3)
COP 2510 Programming Concepts (3)
COP 3514 Program Design (3)
COP 4020 Programming Languages (3)
COP 4023 Comparison Of Programming Languages (3)
COP 4800 Operating Systems (3)
COT 3100 Introduction to Discrete Structures (3)
COT 4210 Introduction to Automata Theory and Formal Languages (3)
COT 4400 Analysis Of Algorithms (3)
EEL 4705 Logic Design (3)
EEL 4705L Logic Laboratory (3)
EEL 4743L Microprocessor Laboratory (3)
EEL 4744 Microprocessor Principles and Applications (3)
EEL 4748 Microprocessor-Based System Design and Application (3)
EEL 4791C Signal and Image Processing (3)
EEL 4781C Distributed Processing and Computer Networks (3)
EEL 4851C Data Structures (3)
EEL 4852C Data Base Systems (3)
EEL 4920C Introduction to Computer Graphics I (3)
ETG 4931 Special Topics in Technology I (1-5)
ETG 4932 Special Topics in Technology II (1-5)
ETI 4656 Principles of Industrial Operations II (3)

ELECTRICAL ENGINEERING
EEL 3100 Network Analysis and Design (3)
EEL 3302 Electronics I (3)
EEL 3410 Fields and Waves I (3)
EEL 4102 Linear Systems Analysis (3)
EEL 4153 Computer Aided Design and Analysis (3)
EEL 4305 Electronics II (3)
EEL 4351C Semiconductor Devices (3)
EEL 4411 Fields And Waves II (3)
EEL 4451 Communication Engineering (3)
EEL 4512C Introduction to Communication Systems (3)
EEL 4567 Electro-Optics (3)
EEL 4657 Linear Control Systems (3)
EEL 4905 Independent Study (2)
EEL 4906 Digital Design Project -MW (2)
EEL 4935 Special Electrical Topics I (1-4)
EEL 4936 Special Electrical Topics II (1-4)
EEL 4937 Special Electrical Topics III (1-4)
EEL 5250 Power System Analysis (3)
EEL 5344C Digital CMOS/VLSI Design (3)
EEL 5356 Integrated Circuit Technology (3)
EEL 5357 Analog CMOS/VLSI Design (3)
EEL 5382 Physical Basis Of Microelectronics (3)
EEL 5437 Microwave Engineering (3)
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**INDUSTRIAL AND MANAGEMENT SYSTEMS**

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<td>Work Analysis</td>
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<td>EIN 4313C</td>
<td>Human Factors</td>
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<td>EIN 4364C</td>
<td>Facilities Design I</td>
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<tr>
<td>EIN 4365</td>
<td>Facilities Design II -MW</td>
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<td>EIN 4411</td>
<td>Manufacturing Processes</td>
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</tr>
<tr>
<td>EIN 4601L</td>
<td>Automation and Robotics</td>
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<td>EIN 4933</td>
<td>Special Topics in Industrial Engineering</td>
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<tr>
<td>EIN 5345</td>
<td>Work Physiology and Biomechanics</td>
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<tr>
<td>EIN 5322</td>
<td>Principles of Engineering Management</td>
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<td>EIN 5357</td>
<td>Engineering Value Analysis</td>
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<td>ESI 4221</td>
<td>Industrial Statistics and Quality Control</td>
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<tr>
<td>ESI 4244</td>
<td>Design Of Experiments</td>
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<td>Deterministic O. R.</td>
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<td>ESI 4523</td>
<td>Industrial Systems Simulation</td>
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<td>ESI 5219</td>
<td>Statistical Methods For Engineering Managers</td>
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<td>ESI 5306</td>
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<td>ESI 5470</td>
<td>Manufacturing Systems Analysis</td>
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</tr>
<tr>
<td>ESI 5522</td>
<td>Computer Simulation</td>
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**MECHANICAL ENGINEERING**

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<tr>
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<td>Hydro and Aerodynamics</td>
<td>(3)</td>
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<tr>
<td>EML 3041</td>
<td>Computational Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3262</td>
<td>Kinematics and Dynamics of Machinery</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3303</td>
<td>Mechanical Engineering Lab I</td>
<td>(3)</td>
</tr>
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<td>EML 3500</td>
<td>Machine Analysis and Design I</td>
<td>(3)</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Systems</td>
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</tr>
<tr>
<td>EML 4031</td>
<td>Visual Basic for Engineers and Scientists</td>
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</tr>
<tr>
<td>EML 4105C</td>
<td>Thermal Systems and Economics</td>
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<td>EML 4312</td>
<td>Mechanical Controls</td>
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<td>EML 4314</td>
<td>Heat Power Engineering</td>
<td>(3)</td>
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<tr>
<td>EML 4419C</td>
<td>Propulsion I</td>
<td>(3)</td>
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<td>EML 4501</td>
<td>Machine Design</td>
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<td>EML 4551</td>
<td>Capstone Design -MW</td>
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<td>EML 4552</td>
<td>Senior Mechanical Design</td>
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<td>EML 4562</td>
<td>Introduction to Composite Materials</td>
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<td>EML 4601</td>
<td>Air Conditioning Design</td>
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<td>EML 4905</td>
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<td>Special Topics in Mechanical Engineering</td>
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<td>EML 5245</td>
<td>Tribology</td>
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<td>EML 5325</td>
<td>Mechanical Manufacturing Processes</td>
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<td>EML 5422</td>
<td>Internal Combustion Engines</td>
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<td>EML 5931</td>
<td>Special Topics IV</td>
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</table>
The College of Fine Arts exists in the context of a dynamic, contemporary, urban, research university setting, characterized by its cultural diversity. The College provides opportunities for students to develop their interests and talents to the fullest whether they wish to pursue a creative or performing career, a teaching career, or 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 the School of Music and the departments of Art, Dance, and Theatre. The Contemporary Art Museum and the Center for Research in Art/Graphicstudio serve multiple academic purposes within the College of Fine Arts as well as enrich the cultural environment within the university community. More information about each program is available on the College website at http://www.arts.usf.edu/.

Mission

The Art Department has linkages throughout the Tampa Bay area. Most recently, the College has extended its involvement in a 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 Alley Dance Company, the Indianapolis Ballet Theatre, and others. Until recently, the College hosted the Florida Dance Festival annually.

The School of Music hosted the premier 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 presents the biennial Suncoast Music Educators Forum, which draws attention throughout the country, and Canada. The School brings renowned artists and groups such as the Russian Youth Chamber Orchestra, the Florida Brass Quintet, and others to the north Tampa area.

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

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

Graphicstudio, founded in 1969 at the University of South Florida, works under a mandate to carry on a program of basic research, producing visual artwork and techniques that will contribute in a significant way to the creation of new knowledge. The program serves the needs of a variety of constituencies including USF students and faculty, the local Tampa Bay community, the state of Florida, and the world of art at large. In its 25-year history, Graphicstudio has been joined in its mission by over 45 leading contemporary artists from around the world. These collaborations have resulted in the completion of 350 projects, copies of which are permanently archived at the National Gallery of Art in Washington DC.

BACCALAUREATE-LEVEL DEGREE PROGRAMS

The College of Fine Arts offers four undergraduate degrees:
- Bachelor of Arts (B.A.) in Art, Dance, and Theatre
- Bachelor of Music (B.M.) in Music
- Bachelor of Fine Arts (B.F.A) in Design Concentration or Dance Performance
- Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) in Art Education, Music Education, and Dance Education.

Undergraduate Admission to the College of Fine Arts

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

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

Further, students are required to provide copies of their transcripts showing all previous college or university coursework for advising, and portfolio review and/or audition appointments. Additional information may be obtained by telephoning or writing the College’s advising office or the office of the department or school of particular interest.

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

Fine Arts Advising

The College of Fine Arts Office of Student Services and Advising, located in the Fine Arts building, offers a comprehensive service to all fine arts students and advice to non-majors who are interested in taking fine arts courses. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. Four major-field advisors (art, dance, music, theatre), Advising Coordinator, Fine Arts Project Thrust Advisor, and support staff work with students toward their matriculation according to curricular outlines. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.

The goals of the office of Student Services and Advising are to
- Help students clarify their life and career goals
- Help students develop their educational plans
- Help students select appropriate courses
- Help students interpret institutional requirements
- Evaluate student progress toward established goals
- Facilitate total student development
- Foster the development of individual student's talent to the fullest

Advising Office

Tampa Campus: College of Fine Arts (FAH), Room 120, (813) 974-3680. The College is located centrally, just west of the Contemporary Art Museum and Marshall Center.

Office Hours

Usual office hours are 8 a.m. - 5 p.m., Monday - Friday.
General Requirements for B.A. Degrees

Within the College of Fine Arts

1. All degree programs require 120 credit hours, with the exception of Theatre Education track (129), Music Education (120) and Art Education (126) degree.

2. General Education Requirements may be satisfied by (1) completing the university's General Education Requirements, (2) completing the A.A. degree from a Florida Junior or Community College, or (3) completing the general education requirements from another Florida state university. General education courses transferred from other accredited institutions will be evaluated by the College of Fine Arts based on the University of South Florida General Education equivalencies. The A.A. degree is not a guarantee for a major in 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 College of Fine Arts distribution requirements.

3. Students admitted to the College of Fine Arts with transfer credits, or former students returning with credits dating ten or more years prior to admission (or readmission), will have those credits reviewed by the College and department/school, and may be required to take specified competency tests in their major area.

4. A minimum of 36 credit hours in the major field other than the major discipline. Transfer of special fine arts credits must be evaluated by an advisor. Special Fine Arts courses may be taken as S/U grading.

5. A maximum number of ROTC credits totaling no more than 20 credit hours in the Free Elective Area for each major may be counted toward all degrees.

6. A maximum of four credit hours of elective Physical Education credits taken at USF may be counted as general elective credit toward all degrees.

7. Students must satisfactorily complete the College Level Academic Skills Test CLAST and the writing and composition course requirement of 6A-10.30 (Gordon Rule).

Students applying for a B.A. degree must demonstrate competence 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., AP, CLEP, portfolio, audition), or the student must earn 30 of the last 60 hours of credits in residence at the University of South Florida. However, any course work to be taken and any credits to be earned outside of the University must have prior approval from the appropriate department/school and the college in order to apply these credits toward graduation.

Waiver of prerequisite course work totaling no more than 12 credit hours in the major or Fine Arts College requirements is possible by demonstration of competence. Unless credit is awarded by approved official tests, i.e., A.P., CLEP, the credit hours must be made up according to departmental/school or college recommendations. A faculty committee conducts waiver reviews. Specific questions concerning program requirements for all degrees in the College of Fine Arts should be directed to the College of Fine Arts Coordinator of Advising.

COLLEGE POLICY FOR ACADEMIC PROGRESS

The following criteria will serve as the bases for disenrollment from a major in the College of Fine Arts:

1. Grade point average below 2.0 in the major.

2. Inconsistencies by major applied (studio) art, dance, music or theatre faculty with approval of respective department/school chairperson/director.

3. The department may recommend probationary status (rather than disenrollment) for one semester when academic progress is not maintained.

Contracts and Permission Procedures

DIRECTED STUDIES CONTRACTS

All Directed Studies and other variable credit courses in the College of Fine Arts require contracts between students and instructors describing the work to be undertaken by the student and specifying the credit hours. These contracts are to be completed in quadruplicate and appropriately signed. It is the student's responsibility to obtain the necessary signatures and make the required distribution of all copies. Important: the student must have his/her signed copy of a contract at the time of registration.

S/U GRADE CONTRACTS

The College of Fine Arts requires that any S/U grading agreement entered into between student and instructor be formalized by a contract in quadruplicate signed by the student and the instructor and distributed according to instructions.

"I" GRADE CONTRACTS

Inconsistencies 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 specifies the date that the work will be due (within legal limits) for grading. Both the student and the instructor must sign this contract and the four copies must be distributed according to instructions. A student must not register for a course again to remove an "I" grade.

PERMISSION PROCEDURES

Admission into some courses is possible only by consent of instructor (CI), consent of chairperson (CC), consent of advisor, or by audition or portfolio review. When such special permission is required, it will be the student's responsibility to obtain any required permission prior to registration.

S/U Grading in the College

1. Non-majors enrolled in courses in the College of Fine Arts may undertake such courses on an S/U basis with instructor approval. See Contracts and Permission Procedures for information concerning S/U Grade Contracts.

2. Credits earned by a non-major student with an "S" grade will not count toward the student's minimum major course graduation requirements. Students must also meet specific criteria to become a major student in one of the four departments in the College. Instead, such credits earned with an "S" grade will be assigned to the student's Free Elective category (with the exception of music, which will become non-countable).

3. Although Fine Arts majors may take coursework in their major as Free Electives, they are not entitled to the S/U grading option for these courses taken in their major subject area, even when specifically used or intended to be used as Free Electives.

4. In the College of Fine Arts, the only S/U graded courses available to a major student in his major subject area are those curriculum allowable courses designated S/U (that is, S/U only).

5. A maximum of 9 credit hours of S/U credits in non-major courses may apply towards a degree in the College of Fine Arts.

Please refer to Academic Policies section for more information concerning the university's S/U Grading policy.

Dean's List Honors

See Academic Policies and Procedures, Programs and Services.
Interdisciplinary Study

There is no formal interdisciplinary arts degree offered in the College of Fine Arts. However, it is possible for a student to pursue such a program of study in the College by utilizing free electives allowed in the major program. A student may also choose a double undergraduate major in two departments within the College of Fine Arts as a means of interdisciplinary study. See the major advisor in the programs of particular interest.

Minors Program

The College of Fine Arts offers minor programs in Art, Dance, Music, and Theatre. Majors in the College of Fine Arts may pursue a minor in any certified minors program at USF except within the same department/school as the major. The requirements for these programs are located under the departmental/school academic program descriptions and also require that a minimum of eight hours be taken at USF. For university minor policy, consult that section in the catalog.

DEPARTMENTS AND PROGRAMS

• ART (ART)

The Art Department offers the Bachelor of Fine Arts degree in Studio Art and the Bachelor of Arts degree with concentrations in either Studio Art or Art History. The curriculum is designed to develop the student's consciousness of aesthetic and ideological aspects of art and its relationship to life and to assist students in the realization of personal ideas and imagery. Many students interested in college teaching, museum or gallery work, fine or commercial studio work pursue the extended discipline and experience offered at the graduate level.

Although the Art program allows many possible courses of study, most art major students will select one area of emphasis chosen from the course offerings listed.

The major areas of emphasis, available to undergraduate art students are Drawing, Painting, Sculpture, Ceramics, Electronic Media (Computer Imaging, Video), Printmaking, Photography, and Art History and Theory. Art majors must receive a grade of "C" or better in all art courses.

Transfer studio credit will be accepted on the basis of portfolio and transcript evaluation. The Art Department will accept all Florida state programs that are part of the "Common Prerequisites." For additional requirements see Graduation Requirements, College of Fine Arts.

Prerequisites (State Mandated Common Prerequisites)

The College of Fine Arts recommends that students complete an A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements:

ART 1201/1202 Design I and Design II or ART 2201
ART 1300/1301 Drawing I and Drawing II or ARH 3001

ART 2050/2051 Art History Survey I and Art History Survey II
ART 2XXX Any 2-3 introductory media course, 6-9 semester hours or 12 hours of ART 2XXX

Requirements for the B.A. Degree in Art Studio

In addition to the prerequisites outlined above, the following courses apply to the B.A. degree in Art Studio:

I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ARH 2050 History of Visual Arts I</td>
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<tr>
<td>ARH 2051 History of Visual Arts II</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2201C Fabrications I</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2203C Fabrications II</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 2300C Beginning Drawing</td>
<td>(3)</td>
</tr>
<tr>
<td>ART 3301C Intermediate Drawing</td>
<td>(3)</td>
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</table>

Total 18 hours

II. Beginning Studio Workshops

A minimum of 12 hours from the following Beginning Studio Workshops is required. These courses may not be repeated. These courses are pre-requisites to the intermediate level Studio Courses.

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

Total 12 hours

III. Intermediate Studio Workshops

A minimum of 9 hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 Level Studio Specialization</td>
<td>(3)</td>
</tr>
<tr>
<td>3000 Level Non-Specialization</td>
<td>(3)</td>
</tr>
<tr>
<td>3000 Level Elective</td>
<td>(3)</td>
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</table>

Total 9 hours

or the student may take 6 hours of 3000 level coursework and choose the following 4000 level option if they have the requisite 3.25 GPA in major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>4000 Level Specialization</td>
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</tbody>
</table>

IV. Expanded Context Courses

A minimum of 6 hours of your Intermediate or Advanced Studio work must be from selected expanded context courses. Expanded context courses include Theme Studio, cross-media classes and/or special topics classes.

V. Art History

A minimum of 12 hours in the following history courses:

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

Total 12 hours

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

VI. Additional Requirements

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

Total 6 hours

*Required of all majors
**Required of all majors (Par 1 and 2, Program, Public Art, Museum Internships, Community Art, Artist In Residencies/Apprenticeships, London Middlesbrough Program)
VII. Recommendations

Students are encouraged to take additional credits in the Studio Workshops and Theme Studio Courses to fulfill art electives. Honors studio courses are offered every semester and can be used to complete studio electives.

Total Art 55 hours

Total Semester Hours for the B.A. degree in Art Studio:

- Please note under General Education that the historical perspectives must be satisfied with History of Visual Arts I, ARH 2050 and History of Visual Arts II, ARH 2051, and that Fine Arts must be satisfied with Fabrications I, ART 2201 and/or Fabrications II, ART 2203.
- General Education (36)
- Exit Requirements (9)
- Art Requirements (55)
- Special Requirements (6)
- Free Electives (Maximum Art 9 hours) (23)

Total 120 hours

Note: All Students earning a B.A. degree in Fine Arts must complete the Foreign Language Requirement.

Requirements for the B.A. Degree in Studio Art

The accelerated studio experiences provided for students meeting the requirements of the Bachelor of Fine Arts degree will better prepare them for professional participation in the visual arts.

The B.F.A. program in Studio Art will expose the student to many possibilities in the art-making process. The areas of emphasis in art media are painting, drawing, printmaking, sculpture, ceramics, and electronic media/video/performance. These options provide access to a comprehensive program of study in art. Students can develop their conceptual and technical skills in a particular art discipline or decide to investigate a specific subject through the use of numerous media and "mixed" forms of art.

The USF Art Department hosts fully equipped studios in all of these disciplines.

Transfer credit from other institutions is accepted on the basis of portfolio and transcript evaluation. The Art Department accepts transfer credit from all Florida programs that are part of the "common course prerequisites."

I. Art Foundations

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)
ART 2300C Beginning Drawing (3)
ART 3301C Intermediate Drawing (3)

Total 18 hours

II. 2000 Level Studio

2000 Level 2-D Studio (3)
2000 Level 3-D Studio (3)
2000 Level Specialization (3)
2000 Level Elective Studio (3)

Total 12 hours

III. 3000 Level Studio

3000 Level Specialization (3)
3000 Level Non-Specialization (3)

Total 12 hours

IV. 4000 Level Studio

4000 Level Specialization (3)
4000 Level Non-Specialization (3)
4000 Level Elective (3)

Total 12 hours

V. Expanded Context Courses

A minimum of 6 hours of your Intermediate or Advanced Studio work must be from selected expanded context courses. Expanded context courses include Theme Studio, cross-media classes and/or special topics classes.

VI. Art History

20th Century (4)
ARH 3454 Contemporary Issues in Art (4)
4000 Level Period (8)
Critical Studies (4)

Total 20 hours

VII. Additional Requirements

Real World (2)
Extended Studies* (2)
Senior Thesis (3)

Total 7 hours

Total Art 81 hours

Total Semester Hours for the B.F.A. degree in Art Studio:

- General Education (27)
- Exit Requirements (6)
- Art Requirements (81)
- Special Requirement (6)

Total 120 hours

*Paris Program, Public Art, Museum Internships, Community Art, Artists Internships/Apprenticeships, London Middlesex Program

Requirements for the B.A. Degree in Art History

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

I. Art Preparation (Requires a "C" or better in all courses taken to progress to courses numbered 3000 and up)

ARH 2050 History of Visual Arts I (3)
ARH 2051 History of Visual Arts II (3)
ART 2201C Fabrications I (3)
ART 2203C Fabrications II (3)
ART 2300C Beginning Drawing (3)
ART 3301C Intermediate Drawing (3)

Total 18 hours

II. Art History Required Courses

ARH 4450 20th Century (4)
ARH 4937 Seminar in the History of Art History (4)

Total 8 hours

Plus: Minimum of 12 hours in the following history courses:

III. Art History Survey

ARH 4100 Prehistoric & Ancient (4)
ARH 4170 Greek & Roman (4)
ARH 4200 Medieval (4)
ARH 4301 Renaissance (4)
ARH 4350 Baroque and Rococo (4)
ARH 4430 19th Century (4)
ARH 4520 African (4)
ARH 4530 Oriental (4)

Total 12 hours

IV. Art History Critical Studies or Directed Reading

ARH 4796 Critical Studies in Art History (3)
ART 4900 Directed Reading (A minimum of 12 credit hours)

Total 12 hours

V. Plus

Extended Studies: required of all majors (2)

(London Middlesex Program, Paris Program, Public Art, Museum Internships, Community Art, Artists Internship/Apprenticeships)

Total 2 hours

VI. Recommendations

Students are encouraged to take additional credits in Art History critical studies courses and Art History survey courses. The course, ARH 4710 History of Photography is recommended to Art History majors as a course to be used to complete Art History elective.

Total Art History 52 hours
Total semester Hours for the B.A. degree in Art History

General Education (30)
Exit Requirements (9)
Art Requirements (52)
Special Requirements (6)
Free Elective (Maximum Art 9 hours) (23)

Total 120 hours

Note: All students earning a BA degree in Fine Arts must complete the Foreign Language Requirement.

Requirements for the Minor in Art

**Studio Concentration:** Total of 24 minimum hours required

I. Art Area Preparation
- ARH 2050 History of Visual Arts I (3)
- ARH 2051 History of Visual Arts II (3)
- ART 2201C Fabrications I (3)
- ART 2203C Fabrications II (3)
- ART 2300C Beginning Drawing (3)

Total 15 hours

II. Art Studio
- Beginning Studio Workshop (6)
- Advanced Studio Workshop (3)
- or Theme Studio (3)

Total 9 hours

**Art History Concentration:** 24 minimum hours required

I. Art History Preparation
- ARH 2050 History of Visual Arts I (3)
- ARH 2051 History of Visual Arts II (3)
- ART 2201C Fabrications I (3)
- ART 2203C Fabrications II (3)

Total 12 hours

II. Art History
- 20th Century (4)
- Art History Survey (8)

Total 12 hours

**ART EDUCATION**

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

**VISITING ARTISTS AND SCHOLARS**

The Art Department is widely known for the consistent level of excellence of its programs. Aside from the contributions of its permanent staff, and to insure the continuing expansion of learning opportunities available to students, the Art Department has brought to the campus internationally known artists and lecturers such as Alice Aycock, Linda Benglis, Jack Burnham, James Casebere, Albert Chong, Robert Collecott, Hal Foster, Edward Fry, Guillermo Gomez-Pena, Adam Gopnik, The Guerrilla Girls, Barbara Kruger, Donald Kuspit, Alfred Leslie, Komar and Melamid, Marlon Riggs, Tim Rollins, Alison Saar, Lorna Simpson, Miriam Shapiro, Robert Stackhouse, Renee Stout, Sidney Tillum, and The Art Guys.

**USF CONTEMPORARY ART MUSEUM**

The USF Contemporary Art Museum (CAM) is recognized as one of the leading cultural institutions in the state by the State of Florida Cultural Institutions Program. The USF CAM brings vital, investigative, and scholarly exhibitions of contemporary art to the university and Tampa Bay Community. Artists include Matt Mullican, Robert Stackhouse, Pat Steir, Tyler Turkle, and Robin Winters, as well as internationally recognized artists from Africa, Europe, and Latin America, such as Leo Copers, Patrick Collin, 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 Elfred, Richard Fleischner, Doug Hollis, Nancy Holt, Ned Smyth, and Elyn Zimmerman. USF CAM organizes symposia, lectures, workshops, and visiting artist presentations to engender interest in contemporary art, educate the public, and facilitate the exchange of ideas among artists, museum members, experts in the art field, and the community. The exhibition, educational programs, and art collection serve as an integral part of the studio and art history curriculum of the Art Department and other liberal studies areas while enhancing the cultural vitality of the campus and Tampa Bay communities.

**GRAPHICSTUDIO**

The Institute for Research in Art/Graphicstudio was founded within the College in 1968 to perform basic research in the visual arts through collaboration with internationally renowned artists in the production of print and multiple editions.

Over the years, Graphicstudio has received many honors including the establishment of a permanent archive at the National Gallery of Art in Washington, D.C., and the achievement of the "Florida Arts Recognition Award" from the Department of State. Work/study programs, directed study, as well as graduate assistantships are available to USF students at Graphicstudio's production facility. Students are able to study completed editions as well as preparatory works in the Graphicstudio Gallery. Graphicstudio also sponsors lectures by invited guests and colloquia on a variety of subjects relating to the visual arts.

**DANCE (DAN)**

The dance program offers professional preparation through a curriculum of study within three degree options: B.F.A. in Dance Performance; B.A. in Dance Studies; B.S. in Dance Education. There is an expressed commitment to the development and production of original creative works as extensions of studio/classroom experiences, of faculty research, and in interaction with guest artists.

The presentation of dance in concert is essential to the educational mission, and provides students and the community with frequent opportunities for expanding aesthetic experiences.

Through intensive study in dance technique, creative studio studies and dance theory, students are prepared for careers in performance, choreography, and education. Additional preparation in graduate programs may lead to opportunities in Dance Sciences/Medicine, Dance Therapy, Arts Management, Performance, Choreography, or Interdisciplinary Studies.

The admission to the Dance Department is contingent upon acceptance by the university and successful completion of a performance audition. Students must complete the audition prior to Orientation and registration for Dance courses.

**Prerequisites (State Mandated Common Prerequisites)**

The College of Fine Arts encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Students are encouraged to complete the following required courses and/or electives (if available) during the program of study at the community college. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of 'C' is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements. Prerequisites for B.A. in Dance...
I. The focus of this degree is the development of dancers who continue to be based on individual proficiency.

II. Transfer dance credits must be presented for evaluation on a case-by-case basis at the discretion of the university. Transfer dance credits will be given for these lower level Repertory courses in the 100-109 taxonomy up to 4 credit hours of any lower level Ballet Technique courses within the 200-209 taxonomy up to 4 credit hours of any lower level Modern Technique courses within the 200-209 taxonomy up to 8 credit hours of any lower level Ballet Technique courses within the 200-209 taxonomy up to 8 credit hours of any lower level Modern Technique courses within the 200-209 taxonomy.

Although credit toward the major will be given for these courses, placement in upper level technique classes will continue to be based on individual proficiency. Other technique courses in other styles of dance may be accepted toward the major on a case-by-case basis at the discretion of the university. Transfer dance credits must be presented for evaluation by faculty and dance advisor at time of entrance.

Requirements for the B.F.A. Degree in Dance

PERFORMANCE CONCENTRATION

The BFA in Dance Performance, (Ballet and Modern) offers professional preparation, which includes extensive study in Studio Technique, Choreographic Studies and Dance Theory. The focus of this degree is the development of dancers who will enter the professional world of dance/arts as performers and choreographers. Beyond the expectations for continuing opportunities for performance, students selecting the BFA will develop and present solo and group Senior Choreographic Projects.

The BFA is a limited access program. Students must participate in a selective admissions procedure. At the end of their first year, students will be assessed by Dance faculty to determine eligibility.

Modern Dance Focus

<table>
<thead>
<tr>
<th>Studio Technique (28 semester hours)</th>
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<tbody>
<tr>
<td>DAA 3209 Ballet III</td>
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<tr>
<td>DAA 3109 Modern III</td>
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<tr>
<td>DAA 4111 Modern IV</td>
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<tr>
<td>DAA 4364 World Dance</td>
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<tr>
<td>Elective Dance Technique</td>
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Creative Studio (17 semester hours)

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<tr>
<td>DAA 3624 Dance Improvisation</td>
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<tr>
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<td>DAA 4617 Choreography III</td>
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<tr>
<td>DAA 3480 Jr. Performance Project</td>
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<tr>
<td>DAA 4687 Performance/Repertory</td>
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<tr>
<td>DAA 4694 Senior Choreographic Project</td>
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<tr>
<td>*Concurrent enrollment in Dance Technique</td>
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Dance Theory (27 semester hours)

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<tr>
<td>DAN 4181 Dance Senior Seminar</td>
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<td>Non-Dance Electives:</td>
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Ballet Focus

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<th>Ballet Technique (30 semester hours)</th>
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<tr>
<td>DAA 3209 Ballet III</td>
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<td>DAA 4211 Ballet IV</td>
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<tr>
<td>DAA 3294 Ballet Variations/Pointe</td>
</tr>
<tr>
<td>DAA 3109 Modern III</td>
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<tr>
<td>DAA 3394 World Dance</td>
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<td>Elective Dance Technique:</td>
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Creative Studio Studies (17 semester hours)

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<td>Non-Dance Electives:</td>
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Requirements for the B.A. Degree in Dance Studies

The B.A. in Dance Studies is designed to provide students with a comprehensive core of study in dance (Technique, Creative Studio Studies, Theory) while encouraging the development of an individualized program of study through the selection of general education requirements as well as a focused selection of elective courses. The selection of electives should be designed to provide each student with the maximum value of a liberal arts education within a focused area of study. A student with additional interest in another field (i.e. African Studies, Anthropology, Communications, Women's Studies, Theatre, History, Religious Studies, Psychology, etc.) would complete focused study in that area along with the core of study in dance. Each student would be required to develop a final independent project incorporating the dance with his or her focused study.

Preliminary coursework recommended for a student’s first and second year in college is listed below. Upper-level courses are listed for each major area of study following the prerequisites.

Coursework to be taken at USF

<table>
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<td>DAN 4181 Dance Senior Seminar</td>
</tr>
<tr>
<td>Non-Dance Electives:</td>
</tr>
</tbody>
</table>
DAA 3394 World Dance (2)
Creative Studio Studies (13 semester hours)
DAA 3624 Dance Improvisation (2)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 4614 Choreography III (2)
DAA 4617 Choreography IV (2)
DAA 3480 Jr. Performance Project (1)
DAA 3686 Performance (1)
DAN 4906 Independent Research Project (1)

Dance Theory (23 semester hours)
DAN 2160 Entry Seminar (2)
DAN 3584 Practicum in Dance (1)
TPA 2223 Theatrecreats: Lighting (2)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 3714 Dance Kinesiology (3)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)
DAN 4530 Research in Dance (2)
DAN 4181 Dance Senior Seminar (2)
Focused Electives (15-17 semester hours)

B.S. Degree in Dance Education
The Dance Education Curriculum is designed for students who wish to develop a high level of expertise in dance and have a commitment to the development of individual potential in others. The curriculum is designed to meet the requirements for certification in Dance Education K-12 in the State of Florida. In order to be admitted to the Dance Education Specialization, students must participate in a selective admissions procedure. Enrollment in the program is limited and students can only enter during the fall semester of each year. In addition to applying to the university, students must also apply directly to the Department of Dance before March 1 for priority admission consideration. Students applying after May 1 will be accepted only on a space available basis. Admission to Dance Education is contingent upon application to the program, successful audition in both Ballet and Modern Dance Technique, and acceptable academic standards (See “General Requirements for B.A. Degrees within the College of Fine Arts.” Note: Students on academic appeal or probation may not be considered for Dance Education Specialization until successful completion of their sophomore year.)

Dance Education Students are expected to maintain a 3.0 in all Dance Major courses and an overall 2.5 GPA to be admitted to the College of Education/Professional Preparation Courses of Study. (See Special Requirements for admission and internship established by the College of Education.) Students are expected to maintain the 3.0/2.5 grade point average as stated above through the completion of the internship in Dance Education.

Preliminary coursework recommended for a student’s first and second year in college is listed below. Upper-level courses are listed for each major area of study following the prerequisites.

Prerequisites (State Mandated Common Prerequisites): These prerequisites must be met by transfer students as well as USF students. A grade of “C” is the minimum acceptable grade.

EDF X005 Introduction to Education 3
EDG 2701 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3

In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus. The eligible courses will be determined by the institution where the student is currently enrolled for his/her degree. Professional education courses taken at the community college will transfer as general electives.

Students must also take courses in the following areas, which may meet General Education Requirements as well as fulfill Prerequisites:

Communications, including a speech course (9 hours minimum)
Mathematics, excluding MAT 1033 and a computer course (9 hours minimum);
Natural and/or physical sciences, with at least one associated lab (9 hours minimum, including lab)
Humanities (9 hours minimum); and
Social sciences, including a psychology or human growth and development course (9 hours minimum)

Coursework to be taken at USF
Studio Technique (14 Semester hours minimum)

Note: Of the 12 hours in Ballet and Modern Dance, 6 hours must be in Ballet; 6 hours must be in Modern Dance, and at least 3 of these hours must be at level III or IV. Based on the student’s progress in technique development, courses may include:

DAA 3108 Modern II (3)
DAA 3109 Modern III (3)
DAA 3208 Ballet II (3)
DAA 3209 Ballet III (3)
DAA 4111 Modern IV (4)
DAA 4211 Ballet IV (4)

Additional Required Studio Technique Courses Include:
DAA 2352 Ethnic Folk Dance (2)

Creative Studio Studies (9 semester hours)
DAA 3624 Dance Improvisation (2)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 4616 Choreography III (2)
DAA 3480 Jr. Performance Project (1)
DAA 3686 Performance (1)

Dance Theory (21 semester hours)
DAN 2160 Entry Seminar (2)
TPA 2200 Introduction to Technical Theatre I (1)
DAN 3614 Music for Dance I (2)
DAN 3615 Music for Dance II (2)
DAN 3714 Dance Kinesiology (3)
DAA 4404 Laban Movement Analysis (2)
DAN 4134 Dance History Through the 19th Century (3)
DAN 4135 20th Century Dance History (3)

Department of Education Professional Prerequisites
(9 semester hours)
EDF 2005 Introduction to Education (3)
EDG 2701 Teaching Diverse Populations (3)
DAE 3040 Introduction to Educational Technology (3)

Professional Preparation
EDF 3122 Learning and the Developing Child (4)
EDF 3214 Human Development and Learning (3)
EDF 3604 Social Foundations of Education (3)
EDF 3542 Philosophy of Education (4)
EEX 4078 Integration of Exceptional Students in the Regular Classroom (2-3)
EDF 4430 Measurement for Teachers (3)
DAE 4340 Dance Pedagogy: Secondary (3)
DAE 4310 Dance Pedagogy: Pre-K and Elementary Methods (3)
DAE 4940 Internship Dance Education (10)
DAE 4936 Senior Seminar in Dance Education (2)

Requirements for the Dance Minor
The Dance Minor is designed to provide students with a scope of experiences in dance which include studio technique, creative studio studies and dance theory. The student selecting a Dance Minor should arrange to meet with the academic advisor in dance.

Studio Technique (10 semester hours)
Select 10 credits from:
DAA 2205 Ballet I (2)

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COLLEGE OF FINE ARTS 177
DAA 3208 Ballet II (3)
DAA 3209 Ballet III (3)
DAA 4211 Ballet IV (4)
DAA 2105 Modern Dance I (3)
DAA 3108 Modern Dance II (3)
DAA 3109 Modern Dance III (3)
DAA 4111 Modern Dance IV (4)
DAA 2504 Jazz Dance (2)
DAA 4930 Special Topics in Dance (2)

(Studio Dance courses may be repeated only once toward the Dance Minor.)

Creative Studio Studies (4 semester hours)
Select 4 credits from:
- DAA 3624 Dance Improvisation (2)
- DAA 3614 Choreography I (2)
- DAA 3615 Choreography II (2)

Dance Theory (6 semester hours)
Select 6 credits from:
- DAA 2101 Production to Dance (2)
- DAA 4134 Dance History Through the 19th Century (3)
- DAA 4135 20th Century Dance History (3)

Dance Electives (4 semester hours)
TOTAL 24

DEPARTMENT POLICY FOR ACADEMIC PROGRESS

Prospective majors must contact the Dance Department to arrange for an audition prior to being permitted to register for classes. Acceptance into all major technique classes is by faculty audition. Acceptance into each of the degree programs (B.F.A.; B.A.; B.S.) requires acceptable technical proficiency, academic standards commensurate with USF guidelines, and recommendation of the faculty.

All students are required to participate in production practice during their first year in the program. Junior Dance Majors are required to perform in a work created by one of the Seniors.

B.F.A.: Seniors are required to choreograph a group work and choreographic and/or perform a solo in fulfillment of the requirement for Senior Choreographic Project. Senior Choreographic Project is designed to occur over two semesters.

B.A.: Seniors are required to develop an independent creative/research project in consultation with a faculty mentor. Senior Creative/Research Project may occur over two semesters.

B.S.: Seniors are required to serve a Teaching Internship in the Public Schools under the supervision of a public school dance teacher and a university faculty mentor. The internship is designed to be completed in one semester with seven weeks at the Elementary Level and seven weeks at the Secondary Level.

MINIMUM GRADE FOR DANCE COURSES
A student must receive a "C" grade or better in required courses for Dance Majors. Should a student fail to do so, the course(s) in which the student receives "D" or "F" must be repeated and a "C" grade or better earned. Note: The student choosing a Dance Minor must achieve a "C" or better in all courses applied to the minor in dance.

ADDITIONAL STANDARDS
In addition to meeting the specific requirements and standards discussed above, the student and advisor will periodically evaluate the student’s general progress. Students are required to meet with the Academic Advisor in Dance each semester. An unsatisfactory rating in one or more of the following areas could place the student on probation. A student on probation is given a specific amount of time to achieve a satisfactory rating before being dropped from the major program. The criteria include:
1. Adequate academic progress.
2. Adequate technical skills and adaptability.
3. 3. "B" average in major studio classes.
4. Good health which includes adequate control of body weight.

Class probation and department probation require review, i.e., reinstatement in good standing or recommendation to drop major.

For other non-major requirements see both Fine Arts College requirements and the University's General Distribution and graduation requirements.

VISITING ARTISTS AND ARTISTS-IN-RESIDENCE

By supplementing its excellent ongoing regular staff-instructed dance curriculum with other professional resources made available through the Visiting Artist and Artist-in-Residence programs, the Dance Department provides for dance students an overall dynamic program for practice, study, and learning.

- MUSIC (MUS)

The music curriculum is designed for students gifted in the performance and/or composition of music. Candidates for a major in music are required to pass an entrance audition in their respective performance areas. Composition candidates are required to submit appropriate scores and/or tapes of their compositions for faculty appraisal. All students admitted to the degree program must pass a music theory diagnostic examination prior to scheduling music theory classes. Students may obtain dates and times for these examinations from the School of Music.

Academic programs offered in the Bachelor of Music degree include the areas of Performance (voice, organ, piano, piano, pedagogy, and orchestral instruments), Composition, and Jazz Studies (composition and performance).

GENERAL REQUIREMENTS

All students seeking a Bachelor of Music degree are required to (1) complete successfully the piano proficiency (piano proficiency required instead for all jazz majors) and music theory-history-literature requirements; (2) present a partial recital during the junior year (except composition majors); (3) present a full recital during the senior year (except music education majors); (4) present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty). Students must be enrolled in applied music studio during the semester of the recital. Other procedures are mandated through the Student Handbook of the School of Music. Exceptions to all departmental procedures must be authorized through the Director of the School of Music.

Promotion to the next higher level in applied music is made only upon the recommendation of a performance jury conducted by that concentration's faculty. Where appropriate for the degree, the student is required to complete a minimum of two semesters, but no more than three semesters at the 2000 or 3000 level of applied music. Failure to complete these levels within the three semester maximum brings automatic dismissal from the program. Students may repeat the 4000 level as necessary to fulfill the total credit hour requirement (3000 level for composition or music education). Credit for only 2 semesters of applied music at the 1000, 2000, or 3000, levels will be applied toward the degree.

MINIMUM GRADE FOR MUSIC COURSES
A minimum grade of "C" is necessary in all music courses required for the student's degree. Registration in required
music courses resulting in grades of "D" or "F" must be repeated. Sequel courses may not be taken until prerequisites are satisfied with appropriate grades or waivers.

The B.M. Degree (Performance, Composition and Jazz Studies)

Prerequisites (State Mandated Common Prerequisites)
The College encourages students to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

A pre-psychomotor examination will be administered prior to initial registration in the music theory course sequence. This examination is diagnostic and is used for advising purposes. Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano must be demonstrated by audition. All college students must enroll in the appropriate keyboard skills class(es). Credit hours in piano are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

**MUT 1111 Music Theory**
or **MUT 1121, 1122, 2126, or 2127**

**MUT 1112 Music Theory**
or **MUT 1121, 1122, 2126, or 2127**

**MUT 2116 Music Theory**
or **MUT 2117 Music Theory**
or **MUT 1121, 1122, 2126, or 2127**

**MUT 1241 Aural Theory**
or **MUT 1242 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 2247 Advanced Aural Theory**
or **MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277**

**MUT 2224 Advanced Aural Theory**
or **MUT 2247 Advanced Aural Theory**
or **MUT 1221, 1222, 2226, 2227, 1261, 1261, 2266, 2267, 1271, 1272, 2276, or 2277**

**MUNXXX Chamber Music Ensemble, 4 semester hours**

**MVX1XX Secondary Applied Music Courses, 2-4 semester hours**

**MVX2XX Secondary Applied Music Courses, 2-4 semester hours**

Secondary Piano Proficiency by Examination
- **or MVK 1111, 1112, and 2122**
- **or MVK 1111r, 1112r, 2121r, and 2121r**
- **or MVK 1211 and 2221**

Electives: Music credits beyond those required may be used as program electives.

**CORE REQUIREMENTS FOR ALL PERFORMANCE, AND COMPOSITION CONCENTRATIONS**

**Music Theory (22)**
- **MUT 1111 (3)**
- **MUT 2116 (3)**
- **MUT 4571 (3)**
- **MUT 1112 (3)**
- **MUT 2117 (3)**
- **MUT 4411 (3)**
- **MUT 1241 (1)**
- **MUT 2246 (1)**
- **or MUT 1242 (1)**
- **MUT 2247 (1)**
- **MUT 4421 (3)**

**Music Literature (3)**
- **MUT 2111 (3)*

*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

**Music History (8)**
- **MUT 3301 (3)**
- **MUH 3302 (3)**
- **MUH 3303 (2)**
- **MUH 4058 (3)**
- **MUH 4801 (3)**

*Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

**Conducting (2)**
- **MUG 3014**

**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)**
- **MUT 2111 (3)**

*This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.

**Music History (9)**
- **MUT 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 3014**

**Senior Seminar (1)**
- **MUS 4935 (1)**

**Elective Hours in Music (9)**

**Ensemble:**
- **Performance (8), Composition (8)**
- **All students enrolled in applied music for 3 or 2 hours are required to enroll in a major ensemble appropriate to their performing medium.**

**Additional Requirements for Specific Concentrations**

**PERFORMANCE CONCENTRATION**

A total of 24 credit hours of applied music major is required with a minimum of 6 hours to be completed at the 4000 level and concurrent registration in MUS 2010 (Recital Attendance).

Performance majors in voice must "elect" to enroll for MUS 3201 for a total of 3 credits as a part of the Music Electives and MUS 3601 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 MUK 4640 for 4 credits as a part of the Music Electives.

The following requirements for the piano pedagogy emphases are to be taken as a part of the Music Electives:

- MUS 4640 (4) MUK 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 music majors, after which they will move from that studio to a jazz studies studio for their final semesters of applied studies.

Jazz piano proficiency required.

COMPOSITION EMPHASIS

The following courses are required in addition to the core requirements:

- MUC 2221 (6) MUC 4204 (3) MUC 4203 (3)
- Elective Composition (6)
- Applied music (principal) with a minimum of 4 hours at the 2000 level.

Jazz piano proficiency required.

COMPOSITION CONCENTRATION

All students seeking a degree in music with a composition concentration are required to fulfill the senior composition requirements with the approval of the entire composition faculty in one of the following ways: (a) a complete public performance of works by the student composer, (b) the public performance of several compositions in various concerts throughout the composer's senior year, (c) the formal presentation to the composition faculty of an extensive portfolio of compositions plus the public performance of at least one of these works during the senior year, or (d) in other ways designated by the composition faculty.

Applied Music (Principal) (8)

A minimum of 8 credit hours of applied music is required with a minimum of 4 credit hours at the 2000 level and concurrent registration in MUS 2010 (recital attendance).

Composition Courses (24)

- MUC 2301 (3) MUC 2221 (3) MUC 3231 (3,3)
- MUC 3401 (3) MUC 3402 (3) MUT 4421 (3)
- MUT 4311 (2) MUT 4312 (2)

For other degree requirements for all the above concentrations, see Fine Arts College requirements and the university's General Education and graduation requirements.

MUSIC EDUCATION

The music education curriculum is designed to serve students who wish to develop a high level of musical expertise and have a commitment to help develop musical potentials in other people.

All students seeking a degree in music education are required to pass an audition in their respective performance area and to take a music theory placement test prior to registering for any music theory class. Students may obtain the dates for these examinations from the music office.

Special requirements for all music education majors: successful completion of piano proficiency requirements as defined by the music and music education faculties; participation in a major performing ensemble each semester the student is enrolled in applied music; and the presentation of a one-half hour recital in the major performing medium during the last semester of enrollment in applied music.

Students are to present a record of satisfactory recital attendance through registration in MUS 2010 (see the specific requirements for MUS 2010 as set by the music faculty).

Note exceptions applicable to this program:

1) A lab Component is required with a Natural Science course in the General Education curriculum.

Students must have an ACT score of 20 or an SAT score of 960 and a USF GPA of 2.5. A minimum grade of "C" is required in all music, music education, and education courses necessary for the degree.

Requirements for the B.S. Degree in Music Education (MUE)

Prerequisites (State Mandated Common Prerequisites)

Music students must be accepted by audition in their performance area by the School of Music. Interested students should complete the A.A. degree at the community college. Professional education courses taken at the community college will transfer as general electives. Also, some courses required for the major may meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entrance requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

A music theory placement examination will be administered prior to initial registration in the music theory course sequence.

Auditions for admission, level-ranking, and determination of USF credit hour requirements in applied study in the music performance program must be arranged through the School of Music. Secondary piano proficiency must be demonstrated by audition or the student may elect to enroll in the appropriate keyboard skills class(es). Credit hours in piano are not required. Other secondary instruments will not apply toward performance or composition programs but may be applicable toward the Music Education degree (see Music Education program).

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade. If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

EDF X005 Introduction to Education
EDG 2701 Teaching Diverse Populations
EME 2040 Introduction to Educational Technology

Equivalent course or demonstrated competency may be substituted:

- MUT 1111 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 1112 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 2116 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 2117 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 1241 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 1242 Music Theory
- MUT 1121, 1122, 2126, or 2127
- MUT 1241 Aural Theory
- MUT 1221, 2222, 2226, 2227, 2261, 2262, 2267, 1272, 2276, or 2277
- MUT 1242 Aural Theory
- MUT 1221, 2222, 2226, 2227, 1261.
Professional Education Requirements (course descriptions can be found in the College of Education portion of this catalogue)

Lower Division

EDG 2701 Teaching Diverse Populations (3)
EDF 2005 Introduction to Education and Field Experience (3)
*EME 2040 Introduction to Educational Technology (3)
In addition to EDG 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under "Undergraduate Admission to the College" on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives.

Upper Division

EDF 3214 Human Development and Learning (3)
EDF 3604 Social Foundations of Education (3)
EDF 4430 Basic Concepts of Educational Measurements (3)
EEX 4070 Exceptional Students (2)
MUE 4936 Senior Seminar (3)
MUE 4940 Internship (9)

Students demonstrating computing proficiency may be excused from this course with the approval of the Music Education faculty. Students may substitute a course in computer applications in music for EME 2040.

Music Education courses (32-34 hours)

MUE 2090 (3) MUE 3421 (1) MUE 3422 (1)
MUE 3423 (1) MUE 4311 (3) MUE 4330 (3) or
MUE 4332 (3) MUE 4940 (9) MUE 4331 (3)
MUE 4936 (3)
MUE 2450 (1)* and/or (depending on professional focus)
MUE 3451 (1)
MUE 2460 (1)** and/or (depending on professional focus)
MUE 3461 (1)

* Not required of woodwind majors
** Not required of brass majors

Music courses (30+ hours)

MUL 2111 (3)* MUG 3104 (2) MUH 2051 (3)**
MUH 3301 (3) MUH 3302 (3)*MUH 1111 (3)
MUT 1112 (3) MUT 1241 (1) MUT 1242 (1)
MUT 2116 (3) MUT 2117 (3) MUT 2246 (1)
MUT 2247 (1)

* This course also satisfies 3 hours of Historical Perspectives in the Liberal Arts Curriculum.
** This course also satisfies 3 hours of ALAMEA Perspectives in the Liberal Arts Curriculum.
*** Either course also satisfies 3 hours of Liberal Arts Exit Requirements in Major Works/Major Issues.

Applied Music (Principal) 12 cr. hrs. with a minimum of 4 hours at the 3000 level and concurrent registration in MUS 2010.
Music electives (3-5 hours)

Applied Music Secondary Techniques (2-3 hours)

MVP 1211, MVS 1211. One hour of choral ensemble is required for all non-voice majors.

Major performing ensembles (6 hours)

Minimum of one per semester of applied music

Graduating recital

Piano proficiency requirement

Fine Arts Elective (3 hours)

Music Education majors must take 3 hours in the Art, Dance, or Theatre departments. Students should make certain that this 3-hour course is certified in the Fine Arts Perspectives of the Liberal Arts Curriculum in order to graduate within statutory limits/guidelines.

Requirements for a Minor in Music

Students seeking a minor in music may choose from three concentrations, each with a minimum of 19-23 semester hours required: (1) History-Theory-Literature, (2) Applied Medium and (3) Composition. Each of the concentrations will include the same core curriculum consisting of 11 hours. A minimum of 8 hours for the minor must be earned at USF.

1. Core Curriculum: 11 hours

Music Theory (8)
Introduction to Music Literature or
Music History (3)

2. Optional Concentrations:

a. History-Theory-Literature 9-10 hours
An audition is not required.
Music History and/or Theory and/or Literature (7-8)
Music Ensemble (2)
b. Applied Music (Principal) 8-12 hours
Acceptance by audition into the School of Music is required.

Performance Studio courses which may include up to 2 semester hours of class-studio (6-8)
Music Ensembles (2-4)
MUS 2010 Recital Attendance concurrent with applied music (principal) registration.

Faculty jury recommendations for sophomore-level studio study (minimum)
c. Composition 9 hours
Acceptance by audition into the School of Music is required.

Introduction to Electronic Music (2)
Composition Studio courses which may include one course of orchestration (6)

Music Ensemble (1)

3. Admission to all composition and studio applied music courses is by audition and/or permission of the instructor. Studio courses may be repeated for credit as stipulated in the catalog.

THE FACULTY

The music faculty is made up of outstanding musicians and scholars whose talents and achievements provide a unique educational resource for all music students. Faculty ensembles such as the Faculty Chamber Players and the Faculty Jazz Combo provide an important musical contribution to campus and Tampa area cultural life, and many music faculty perform in professional music ensembles across west central Florida.

STUDENT ORGANIZATIONS

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 Bogdons Scholarship, Steve Penovich Scholarship, Marjorie Roe Cello Scholarship, Zbigniew Piano Award, and the Virginia A. Bridges Music Education Award.

VISITING SCHOLARS, ARTISTS, AND ARTISTS-IN-RESIDENCE
The School of Music utilizes guest composers, conductors, and performing musicians to enhance its offerings in terms of teaching faculty, forum appearances, and the conducting of musical programs, symposia, and clinics. Some prominent musicians and musicologists who have appeared in the past and among them are Norman Dello Joio, Olly Wilson, Randall Thompson, Guarnieri 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 Adson, 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, Elliot Eisner, Doreen Rao, Jo-Michael Scheibe, and La Camerata Romu.

THEATRE (TAR)
The Department of Theatre is fully accredited by the National Association of Schools of Theatre (NAST). Through its curriculum and production program, the Department of Theatre offers seriously interested students the opportunity to prepare within a liberal arts atmosphere, for a professional career in the theatre or to continue their studies at the graduate level.

For over 30 years, our exclusively undergraduate program has prepared critically aware and skilled theatre practitioners. The mission of the department is to educate students in the art of theatre, to conduct original research, and to present challenging productions to the university and Tampa Bay communities.

Students may graduate with a broad based theatre arts degree, or they may specialize in performance, design, or theatre education. Computer assisted design (CAD), playwriting, stage combat, circus skills, musical theatre, and puppetry are among the many options available.

Special Features
1. The endowed British International Theatre Program (BRIT) brings five or more professional artists from the UK to work with upper level students for 6-8 weeks each spring semester.
2. The John W. Holloway endowed chair in theatre and dance provides funds annually for guest artist residencies.
3. USF's Theatre Department has a formal student Exchange Program with Middlesex University in London, England.
4. The Department's Honors Program allows small select groups of upper-division students to work on special projects with faculty and guest artists for up to one year.

Visiting Artists and Artists-in-Residence
TheatreUSF actively promotes guests on campus. A representative list of artist from the last ten years includes Abel and Gordon, Peter Barkworth, Bill Bryden, Daniel Chumley, Russell Craig, Matthew Francis, George Froshcer, Christopher Fry, John and Lisel Gale, Patrick Garland, Ronald Harwood, Jeff Jones, Rachel Kavanaugh, Sam Mendes, Bob Moody, Eric Overmyer, Louise Page, Estelle Parsons, Olga Petrovna, Roni Perel, Denis Quillen, K. Pennington Richardson, Lord Brian Rix, James Roose-Evans, Dorothy Tutin, Robert Wierzel, and Jose Yglesias. These and others have helped the department develop relationships with: UMO Ensemble, London's West End, The Royal National Theatre, The Royal Shakespeare Company, The Actors' Studio, Broadway, San Francisco Mime Troupe, Free Theatre of Munich, The Chichester Festival, The Edinburgh Festival, The Spoleto Festival, Yale Repertory Theatre, and Habimah Theatre in Israel.

Requirements for the B.A. Degree with a Major in Theatre
Prerequisites (State Mandated Common Prerequisites)
For Students Transferring from a Community College: Students are encouraged to complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the courses below recommended.

Students need not have completed a concentration of courses in theatre in order to consider a Theatre major at USF. However, admission to upper-level Theatre Performance program is by audition and admission to the upper-level Design sequence is by portfolio review. If the student does not succeed in passing the audition or portfolio review certain Theatre program requirements may have to be repeated until successful completion of the audition or portfolio review can be achieved.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed. The course prerequisite is given. Unless otherwise stated, a grade of "C" is the minimum acceptable grade. A "C" average in the major is required for graduation.

If students are coming to the university from a community college, the following prerequisite courses will be accepted as meeting lower level requirements.

THE 2000 Introduction to the Theatre

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-Improvization, 3 semester hours
or TPP 2210, 3 semester hours

PLUS nine hours of any combination of THE, TPA and TPP courses.

The students may choose one of four areas for the B.A. degree: Performance, Design, Theatre Arts, or Theatre Education. Common to all is the following core:

Core Curriculum (33 hours)

First Year (14 hours)

THE 2020 Introduction to Theatre

TPA 2110 Voice-Body Improvisation

TPA 2200 Intro to Technical Theatre I

TPA 2290L Intro to Technical Theatre Lab I

USF
### The Honors sequence in its entirety (THE 4593, 4594, 4595)

**Second Year (8 hours)**

- **Theatre Core:**
  - TPA 2211 Intro to Technical Theatre II (3)
  - TPA 2211L Intro to Technical Theatre Lab II (1)

- **Choice of one:***
  - THE 3110 Theatre History I-XMW (3)
  - THE 3120 Theatre History II-XMW (3)
  - TPA 2292 Production Involvement I (1)
  - TPP 2190 Studio Theatre Performance I (1)

**Third Year (8 hours)**

- **Choice of one literature of the stage (LS):***
  - THE 4330 Shakespeare for the Theatre
    - 6A-XMW-XLW (3)
  - THE 4360 19th Century Theatre Revolution-6A-XLW (3)
  - THE 4401 O'Neill and After-6A-XMW (3)
  - THE 4435 Theatre of Pluralism -6A-XMW (3)
  - THE 4442 Comedy of Classic & Neoclassic Stage-6A-XLW (3)
  - THE 4480 Drama Special Topics (3)

- **AND**
  - Choice of one Theatre Historical Studies (TS):
    - THE 3110 Theatre History I-XMW (3)
    - THE 3120 Theatre History II-XMW (3)
    - THE 4320 Theatre of Myth and Ritual-6A-XMW (3)
    - THE 4180 Theatre Origins -6A-XMW (3)
    - THE 4434 Caribbean Theatre

- **Note:** By prior agreement between the chair and instructor, the Honors sequence in its entirety (THE 4593, 4594, 4595) may substitute for "Literature of the Stage (LS)" or "Theatre Historical Studies (TS)."

- **TPA 4293 Production Involvement II (1)**
- **TPP 4193 Studio Performance II (1)**

### Fourth Year (3 hours)

- **Choice of either:***
  - THE 4180 Theatre Origins -6A-XMW (3)
  - OR
  - THE 4562 Contemporary Performance Theory-6A-XMW (3)

- **Audition and Portfolio Review:** All students desiring admission into the upper level acting courses must audition and those entering the upper level design sequence must present a portfolio. This normally occurs after the completion of the sophomore year.

**REQUISITE COURSES FOR AREAS OF STUDY IN THEATRE**

#### Performance Area (BA Degree)

- **General Education:** 36
- **Language:** 8-10
- **Exit Courses:** 9
- **Fine Arts (Non-Theatre):** 6
- **Theatre Core:** 33
  - **Total Hours:** 92-94

- **TPP 3920 Acting Studio I** (8)
- **TPP 3921 Acting Studio II** (8)
- **Additional TPP Courses** (2)
- **Free Electives** (2)
  - **Total Hours:** 26-28

#### Design Concentration (BA Degree)

- **General Education:** 36
- **Language:** 8-10
- **Exit Courses:** 9
- **Fine Arts (Non-Theatre):** 6
- **Theatre Core:** 33
  - **Total Hours:** 92-94

- **TPA 3007 Introduction to Design I** (3)
- **TPA 3008 Introduction to Design II** (3)
- **TPA 3208 Drafting and CAD I** (3)

### Requirements for B.F.A. Degree with Theatre Design Concentration

**Note:**
1) Language requirement not applicable for B.F.A. degree.
2) With careful selection of General Education and Exit Courses the BFA may be achieved in 120 hours. See Advisor.

#### Theatre Core:

- **TPA 3007 Introduction to Design I** (3)
- **TPA 3008 Introduction to Design II** (3)
- **TPA 3208 Drafting & CAD I** (3)

- **Plus TWO**
  - **TPA 3231 Costume Construction** (3)
  - **TPA 3221 Lighting Theory and Practice** (3)
  - **TPA 3251 Drafting and CAD II** (3)
  - **THE 4266 Architecture and Decor** (3)
  - **THE 4264 Costume History** (3)
  - **THE 4263 Design Studio I** (3)

- **Free Electives** (24)
  - **Total Hours:** 120

#### Total Hours 129

**Theatre Arts Concentration (BA Degree)**

The Theatre Arts Concentration is intended for the student who in consultation with the Theatre Advisor wishes to construct his/her own degree program from a broad spectrum of theatre courses. In addition to courses in performance and design, areas of study available are Puppetry, Playwriting, Stage Management, Directing, Literature and Criticism.

- **General Education:** 36
- **Language:** 8-10
- **Exit Courses:** 9
- **Fine Arts (Non-Theatre):** 6
- **Theatre Core:** 33
  - **Total Hours:** 94

- **TPP Courses:** 3
- **THE; TPA; TPP Courses** (18)
  - **(9 must be at upper level)**
  - **Free Electives** (5-7)
  - **Total Hours:** 128

- **Plus TWO**
  - **TPA 3231 Costume Construction** (3)
  - **TPA 3221 Lighting Theory and Practice** (3)
  - **TPA 3251 Drafting and CAD II** (3)
  - **THE 4266 Architecture and Decor** (3)
  - **THE 4264 Costume History** (3)
  - **THE 4263 Design Studio I** (3)

- **Free Electives** (24)
  - **Total Hours:** 26-28

- **Total Hours:** 120
Theatre Education Concentration (BA Degree)

Completion of the Theatre Education concentration certifies students to teach in Florida, grades K-12. In addition to Department of Theatre requirements, students must complete the College of Education’s lower level prerequisite courses and meet the upper level entrance requirements. Consult the College of Education portion of this catalog for more information.

PROFESSIONAL EDUCATION COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>EDF 1005</td>
<td>Introduction to Education</td>
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<tr>
<td>EDF 2701</td>
<td>Teaching Diverse Populations</td>
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<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
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<td>EDF 3214</td>
<td>Human Development &amp; Learning</td>
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<td>EDF 3604</td>
<td>Social Foundations - XMW</td>
<td>3</td>
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<td>or EDF 3542</td>
<td>Philosophy of Education - XMW</td>
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<tr>
<td>EDF 4620</td>
<td>Curriculum and Instruction</td>
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<td>EDF 4430</td>
<td>Measurement for Teachers</td>
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</tr>
<tr>
<td>EEX 4070</td>
<td>Integrating Exceptional Students in the Education Environment</td>
<td>2</td>
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</tbody>
</table>

THE 4940 Internship 10-12

In addition to EDF 2701, lower division courses must include 6 credit hours with an international or diversity focus (see list of approved courses under “Undergraduate Admission to the College of Education” on the first page of the College of Education section). Professional education courses taken at the community college will transfer as general electives. In addition, General Education courses must include one natural science course with a lab component.

General Education: 36

(Six hours must fulfill the special Fine Arts requirement)

Language: 8-10

Exit Courses: 9

(Fulfilled within specialization and professional education courses)

Fine Arts (Non-Theatre) 6

Theatre Core: 33

(92-94) less 15 Hrs. = 77-79

Specialization Courses in Theatre

Choice of one:

TPP 3230 Laboratory Workshop in Theatre Performance 3

or

TPP 3155 Scene Study 3

And

TPP 4310 Directing I 3

EDG 4320 Introduction to Creative Drama 3

THE 4761 Methods of Teaching Theatre to Adolescents 3

THE 4722 Theatre for Pre-Secondary Schools: Production 3

THE 4723 Theatre for Pre-Secondary Schools: Performance 3

Additional Theatre Course 2-4

Total Hours 129

Requirements for a Minor in Theatre

THE 2020 Introduction to Theatre 3

TPP 2110 Voice and Body Improvisation 3

TPP 2190 Studio Theatre Performance I 1

TPA 2292 Production Involvement I 1

TPA 2290 Intro to Technical Theatre I 3

TPA 2290L Intro to Technical Theatre Lab I 1

TPA 2211 Intro to Technical Theatre 3

TPA 2211L Intro to Technical Theatre Lab II 1

A minimum of 7 credits chosen from THE; TPP; TPA courses with the approval of the advisor. All audition and portfolio requirements apply. A minimum of 12 credits must be taken in the USF Theatre Department.

SPECIAL PROGRAMS

Honors Program

The Honors Program is available to upper level majors who have a 3.5 GPA in the major and a 3.2 overall GPA and who have achieved a comparably high level of artistic or scholarly achievement. A 6-8 credit one-year sequence of courses is offered to students accepted into the Honors Program. The sequence progresses from a reading seminar to a guest artist practicum to a student thesis or project. With approval of chair and instructor the entire Honors sequence may substitute for one of the ‘Literature of the Stage’ or Theatre Historical Studies’ requirements.

THE 4593 (2) THE 4594 (2) THE 4595 (1-3)

Guest artists have been working professionals from New York, San Francisco, Denver, Los Angeles, Munich, London, Tel Aviv.

British International Theatre Program (BRIT)

The BRIT Program is available each spring semester to 16 advanced theatre students by audition. The program consists of master classes and/or production experience with select guest artists from the U.K. Advanced scene study students are eligible for tuition remission for the three credit BRIT Program course.

John W. Holloway Endowed Chair in Theatre and Dance

The Holloway Program provides classes and production experiences with internationally renowned artists in design, directing, acting, writing and musical theatre.

FINE ARTS FACULTY

ART


DANCE


MUSIC


MUSIC EDUCATION

Director: C. P. Doane; Professor Emerita: V. A. Bridges; Professors: C. P. Doane, J. J. Heller, J. W. Richmond; Associate Professors: J. L. S. Moore; Assistant Professor: D. A. Williams; Associate in Arts Administration: I. G. Wansley

USF
FINE ARTS COURSES

ART

ARH 2050 History Of Visual Arts I -HP FA (3)
ARH 2051 History Of Visual Arts II -HP FA (3)
ARH 3001 Introduction To Art -HP FA (3)
ARH 3454C Contemporary Issues in Art -HP FA MW (4)
ARH 4170 Greek And Roman Art (3)
ARH 4200 Medieval Art (4)
ARH 4301 Renaissance Art (4)
ARH 4318 Venetian Art (4)
ARH 4350 Baroque And Rococo Art (4)
ARH 4430 Nineteenth Century Art (4)
ARH 4450 Twentieth Century Art (4)
ARH 4460 Modern Political Iconography -MW (4)
ARH 4520 African Art (4)
ARH 4547 Buddhist Art (4)
ARH 4554 Japanese Prints (4)
ARH 4557 Chinese Art (4)
ARH 4710 History of Photography -6A MW (4)
ARH 4721 Graphicstudio/History of Media: Printmaking -6A (3)
ARH 4721C History of Printmaking -6A (3)
ARH 4750 Selected Topics In The History of Film (2-4)
ARH 4796 Critical Studies In Art History -6A (2-4)
ARH 4930 Art History: Selected Topics (2-4)
ARH 4937 Seminar In The History Of Art History (4)
ARH 5795 Methods Of Art History (2-6)
ARH 5797 Gallery And Museum Internship (2-6)
ART 2201C Fabrications -FA (4)
ART 2203C Fabrications II -FA (3)
ART 2222C Beginning Electronic Media (2-4)
ART 2301C Beginning Drawing (3)
ART 2400C Beginning Printmaking (3)
ART 2510C Beginning Painting (3)
ART 2701C Beginning Sculpture (3)
ART 2930 Selected Topics In Art (2-4)
ART 3111C Intermediate Ceramics (3)
ART 3222C Intermediate Electronic Media (3)
ART 3302C Intermediate Drawing (3)
ART 3401C Intermediate Painting (3)
ART 3468C Digital Printmaking (3)
ART 3702C Intermediate Sculpture (3)
ART 3710C Multiples, Molds, and Bronzecasting (3)
ART 3810C Elite, Installation, and Performance (3)
ART 3935 Studio Techniques: Selected Projects (3)
ART 3939 The Real World (3)
ART 4111C Advanced Ceramics (3)
ART 4223 Advanced Electronic Media (3)
ART 4320C Advanced Drawing (3)
ART 4402C Advanced Printmaking (3)
ART 4520C Advanced Painting (3)
ART 4702C Advanced Sculpture (3)
ART 4703C Sculpture III (3)
ART 4806 Theme Studio (3)
ART 4900 Directed Reading (4)
ART 4905 Directed Study (4)
ART 4930 Selected Topics In Art (2-4)
ART 4955 Senior Projects (2-4)
ART 4970C Senior Thesis (3)
ART 5125C Ceramics (3)
ART 5340C Drawing (3)
ART 5422C Lithography (3)
ART 5472C Intaglio (3)
ART 5536C Painting (3)
ART 5730C Sculpture (3)
ART 5910 Research (3)
ART 5936 Studio Techniques: Selected Projects (3)
FIL 2001 Film: The Language Of Vision -6A FA (3)
FIL 2011C Beginning Film (3)
FIL 3510 World Cinema -FA (3)
FIL 4202C Advanced Film (3)
FIL 5205C Cinematography (3)

DANCE

DAA 2100 Fundamentals Of Modern Dance (2)
DAA 2105 Modern Dance I (2)
DAA 2200 Fundamentals Of Ballet (2)
DAA 2205 Ballet I (2)
DAA 2500 Fundamentals Of Jazz Dance (2)
DAA 2504 Jazz Dance (2)
DAA 2540 Theatre Dance Styles (2)
DAA 2570 Jazz Theatre Dance (2)
DAA 3108 Modern Dance II (2)
DAA 3109 Modern Dance III (2)
DAA 3204 Ballet II (2)
DAA 3209 Ballet III (2-4)
DAA 3284 Ballet Variations (1)
DAA 3304 World Dance Topics (3)
DAA 3614 Choreography I (2)
DAA 3615 Choreography II (2)
DAA 3624 Dance Improvisation (2)
DAA 3654 Repertoire (2)
DAA 3666 Performance (1)
DAA 3800 Movement Analysis (2)
DAA 4206 Ballet IV (4)
DAA 4617 Choreography IV (2)
DAA 4702 Choreography III (2)
DAA 4790 Senior Project (1)
DAA 4920 Dance Studies (1-4)
DAE 3351 Ethnic/Folk Dance (2)
DAE 4300 Dance Pedagogy: Theory And Practice (3)
DAE 4397 Special Studies Dance Education (3)
DAE 4836 Senior Seminar In Dance Education (3)
DAE 4950 Internship In Dance Education (1-2)
DAE 4990 Directed Lab (2-3)
DAN 2100 Introduction To Dance -6A FA (3)
DAN 2160 Entry Seminar (2)
DAN 2610 Music For Dance (2)
DAN 3420 Introduction To Laban Movement Analysis (2-3)
DAN 3584 Practicum In Dance Production (2-3)
DAN 4134 Dance History Though the 19th Century -6A XLW (3)
DAN 4135 20th Century Dance -XMW (3)
DAN 4141 Dance Senior Seminar (2)
DAN 4784 Specialized Study In Movement Theory and Body Alignment (2)
DAN 4905 Directed Reading (2)
DAN 4906 Directed Study (2)
DAN 4950 Selected Topics In Dance (1-5)

FINE ARTS INTERDISCIPLINARY

IDS 3682 Arts Connections -FA (3)
IDS 3683 Critical Issues Affecting the Arts -MW (3)

MUSIC

MUC 2221 Composition (3)
MUC 2301 Introduction To Electronic Music (3)
MUC 3231 Composition (3)
MUC 34 Electronic Music-Analog Synthesis I (3)
MUC 3402 Electronic Music-Analog Synthesis II (3)
MUC 3441 Electronic Music-Digital Synthesis I (3)
MUC 3442 Electronic Music-Digital Synthesis II (3)
MUC 360 Contemporary Techniques Of Composition (3)
MUC 4241 Composition (3)
MUC 4403 Electronic Music-Real-Time Performance I (3)
MUC 4404 Electronic Music-Real-Time Performance II (3)
MUC 4501 Seminar In New Musical Systems (3)
MUC 4620 Jazz Composition (3)
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**MUSIC EDUCATION**

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<tr>
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<td>Beginning Woodwind Techniques</td>
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**COLLEGE OF FINE ARTS**
THEATRE

THE 2020 Introduction to Theatre
THE 2305 Script Analysis
THE 3090C Modern Theatre Practice -6A
THE 3110 Theatre History I -MW
THE 3120 Theatre History II -MW
THE 4180 Theatre Origins -6A MW LW
THE 4264 History Of Costume
THE 4286 Architecture And Decor (3)
THE 4320 The Theatre Of Myth And Ritual/Northern European (950-1600) And Oriental (400-1200) -6A MW LW
THE 4330 Shakespeare For The Theatre -6A MW LW
THE 4360 The 19th Century Theatre Revolution -6A MW LW
THE 4401 O’Neill And After -6A MW LW
THE 4434 Caribbean Theatre -6A MW LW
THE 4435 Theatre Of Pluralism -6A MW LW
THE 4442 The Comedy Of The Classic And Neo-Classic Stage -6A LW
THE 4480 Drama-Special Topics
THE 4562 Contemporary Performance Theory -6A MW LW
THE 4593 Honors Seminar
THE 4594 Honors Practicum
THE 4595 Honors Thesis
THE 4596 Directed Studies (1-3)
THE 4597 Selected Topics In Theatre (1-3)
THE 5005 Directed Studies (1-4)
THE 5931 Directed Topics In Theatre (1-4)
TPA 2220 Introduction to Technical Theatre I (3)
TPA 2291L Technical Theatre Lab II (1)
TPA 2292 Theatre Production and Administration (1)
TPA 3007 Introduction to Design I (3)
TPA 3008 Introduction to Design II (3)
TPA 3249 Drafting and CAD I (3)
TPA 3221 Lighting: Theory And Practice (3)
TPA 3231 Costume Construction (3)
TPA 3251 Drafting and CAD II (3)
TPA 3265 Sound For The Stage (2)
TPA 3296 Design Practicum (2)
TPA 3301 Stage Management (2)
TPA 3840 Puppetry Performance And Production (4)
TPA 4011 Design Studio I (1)
TPA 4012 Design Studio II (1)
TPA 4013 Design Studio III (1)
TPA 4077 Scene Painting (2)
TPA 4273 Stage Properties: Techniques And Materials Studio (2)
TPA 4293 Production Involvement II (1)
TPA 4298 Advanced Design Practicum (3)
TPP 2110 Voice-Body-Improvisation (3)
TPP 2190 Studio Theatre Performance I (1)
TPP 2500 Body Disciplines (3)
TPP 3121 Improvisation I (3)
TPP 3160 Scene Study I (3)
TPP 3230 Laboratory Workshop In Performance (3)
TPP 3350 Special Skills In Movement (2)
TPP 3370 Voice Preparation For The Actor (3)
TPP 3920 Acting Studio I (8)
TPP 3921 Acting Studio II (8)
TPP 4140 Styles Of Acting (3)
TPP 4180 Advanced Scene Study (3)
TPP 4193 Studio Theatre Performance II (1)
TPP 4220 Audition Workshop For Actors (3)
TPP 4298 Advanced Design Practicum (3)
TPP 4310 Directing I (3)
TPP 4311 Directing II (3)
TPP 4600 Writing For The Theatre (3)
TPP 4920 Senior Workshop For Actors (3)
TPP 4923 Music Theatre Workshop (3)

THEATRE EDUCATION

EDG 4320 Introduction to Creative Drama (3)
THE 4722 Theatre for Pre-Secondary Schools: The Production Process (3)
THE 4723 Theatre For Pre-Secondary Schools: The Performance Process (3)
THE 4761 Methods of Teaching Theatre for Adolescents (3)
NEW COLLEGE OF USF

UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

Location/Phone: USF Sarasota-Manatee Campus, 5700 N. Tamiami Trail, Sarasota, FL 34243, (941) 359-4200
Web Address: http://www.newcollege.usf.edu/
Program Application Requests: New College Office of Admissions, (941) 359-4269 or address listed above.

New College of the University of South Florida, located on USF's Sarasota-Manatee campus, is a distinguished residential honors college. It offers a nationally recognized liberal arts education at regular state tuition rates.

The New College student/faculty ratio is approximately 11:1; ninety-four percent of the faculty hold earned doctorates. Students work closely with faculty members in small classes, tutorials, and on individual projects.

Admission is highly selective. New College looks for students who have demonstrated above average ability, academic motivation and self-discipline. Over half the students are from Florida.

New College offers a level of faculty support and facilities for study generally found only at very expensive private colleges. This is possible because the gap between public funding and the actual cost of a New College education is closed by annual grants to the University from the New College Foundation. The Foundation also raises substantial scholarship funds for meritorious students.

Educational Program

The New College degree is awarded for intensive, individualized study in the liberal arts and sciences. Classes, tutorials and independent study projects are tools the student, with faculty guidance, uses to discover and pursue intellectual and career interests. Study at New College culminates in a senior thesis and baccalaureate examination in the student's chosen area of concentration.

New College offers excellent academic facilities. A $6.1 million library opened on the campus in 1986, housing a collection presently numbered at over 250,000 volumes. The library is linked through inter-library loan to the USF system of over 1.5 million volumes, and to a network of thousands of other libraries. It also subscribes to computerized data bases that extend its reach beyond the region. The New College Natural Sciences laboratories, open to students around the clock, feature many research-grade instruments, including a scanning electron microscope. Entirely new natural sciences and mathematics facilities opened in mid-2000. An annex dedicated to marine biology will open during the 2000-2001 academic year.

Campus-based studies can be supplemented by off-campus field research and internships, and by study abroad. New College participates in the Florida State University Study Centers in London and Florence, as well as in other programs, including USF's International Student Exchange.

Areas of Study

All studies at New College lead to the Bachelor of Arts. Students may concentrate in a specific discipline or they may design, with faculty approval, an interdisciplinary concentration.

The faculty offers the following areas of study: Anthropology, Art History, Biology, Chemistry, Classics, Economics, Environmental Studies, Fine Arts, Gender Studies, History, International and Area Studies, Languages, Literature, Mathematics, Medieval & Renaissance Studies, Music, Philosophy, Physics, Political Science, Psychology, Public Policy, Religion, Sociology, Urban Studies.

Elementary through advanced studies in French, German, Russian, Spanish, Latin and Greek language and literature are available.

Study at New College leads to a wide range of careers. Graduates from New College go to medical, dental and law school. A large number do graduate work in the arts and sciences, leading to teaching, research and careers in government and industry. Others obtain advanced degrees in business, education, religion and architecture. Those not going on for advanced degrees have launched successful careers in journalism, fine arts, retailing, management, finances, environmental planning and a host of other fields. Quite a few have become entrepreneurs, founding businesses of their own based on skills acquired while students.

Academic Calendar and Residence Requirements

The New College calendar consists of two 15-week semesters and a four-week independent study period in January. Fall semester begins in late August and ends just before the Christmas holiday. Spring semester begins the first week in February and ends in late May. Enrollment at New College is full-time.

Students may complete the degree in seven semesters (three and one-half years) as a result of New College's longer academic year and the advanced nature of the program. Three Independent Study Projects are carried out during January and/or the summer recess. Students may register for up to two additional semesters if their academic programs require it; they may also take up to two semesters of academic leave during their tenure at New College without loss of scholarship support.

All students must complete a senior thesis and pass a baccalaureate examination based primarily upon the senior thesis.

Transfer students may have the number of semesters required for graduation reduced through the awarding of transfer credit for college-level work done elsewhere. The maximum allowable transfer credit is equivalent to three semesters and one independent study project.

Admissions Requirements

New College actively seeks those students who will benefit most from the demanding academic program and flexible curriculum. The college looks for evidence of intellectual potential, strong academic preparation, self-motivation and initiative, tenacity, curiosity, and concern for others.

Applicants must submit a State University System application, New College supplementary application, official high school transcript, SAT or ACT scores, a graded research paper from an English or history class, teacher's recommendation, and counselor recommendation. New College also welcomes transfer applicants who have completed at least one semester of study in a Florida two-year community college as well as from other colleges and universities throughout the United States. Transfer applicants must submit transcripts from all colleges or universities they have attended.

New College tuition is the same as for other institutions within the State University System. Both need-based financial aid and achievement-based scholarships are available for New College students, and about 67% of the students receive some type of direct financial assistance. Students must apply for need-based aid. Achievement scholarships are awarded by the New College Admissions Office to those students the college believes will make an outstanding contribution to the New College community.

The New College Admissions Office processes applications on a rolling basis, with decisions beginning about January 15. The Free Application for Federal Student Aid should be completed and submitted as soon as possible after January 1.

Student Life

New College is a residential college, with the majority of its students living on campus or in adjacent neighborhoods. All students attend full-time. Students are challenged to accept major responsibilities for the direction of their own affairs, including their social and extra-curricular activities. The Student Affairs Office, through its professional staff, is responsible for personal counseling, housing, health services, and other support services.

All first-year students live on campus and participate in the community dining plan. Upper-class students may choose college or non-college housing. A medical plan gives students access to a physician.
The College of Nursing is committed to the advancement of nursing and the promotion of health care through its education, research and service endeavors. To fulfill its commitment to nursing education, the college offers an upper division program that leads to a Bachelor of Science degree with a major in nursing.

Mission
The mission of the College of Nursing is congruent with the mission of the University of South Florida. The College is dedicated to being the premier institution for those striving to achieve leadership in nursing. The mission is (1) to provide excellent nursing education, (2) to advance the profession through research, and (3) to contribute to society through practice and service.

Philosophy
The College of Nursing is committed to improving the health and well-being of all people by anticipating and responding to changing professional, social, technical and economic demands. Nurses address professional and community needs by assuming multiple collaborative and cooperative relationships and roles.

Nursing is a humanistic profession that enhances the quality of life by promoting health, preventing illness, supporting rehabilitation following illness, and providing care for persons at the end of life. All individuals are entitled to health care and the right to participate in making health care decisions.

Nursing is a continually evolving discipline with a unique body of knowledge. Nursing knowledge is advanced through the application of critical thinking, the development and testing of theories, and the conduct and utilization of nursing research.

Intellectual growth and professional autonomy are fostered through the continuum of educational programs in nursing. The Baccalaureate Program prepares students to enter professional practice and provides a foundation for graduate education. The Master's Program prepares students for advanced specialty practice. The Doctoral Program prepares nurse scientists to advance the discipline of nursing through the development and dissemination of knowledge.

The College strives to provide opportunities for students and faculty to engage in common inquiry into the values of society and give them an understanding of the need to accept and appreciate differences among people. Diverse and pluralistic learning communities foster culturally competent and sensitive practice. The College supports community, national and international partnerships in practice, education, and research to enhance the health of all people.

Education is a dynamic, interdependent and collaborative process that occurs through the interaction of faculty and students in a wide variety of learning environments. Faculty design learning environments and resources that employ diverse educational strategies and technologies. Various instructional methods, including distance education, provide educational access for a geographically dispersed student body. Learning is a life-long process. Students are active and engaged participants in the teaching/learning process that involves the continuous development and refinement of critical thinking.

Undergraduate Nursing Program

General Information
To fulfill its commitment to nursing education, the college offers an upper division program that leads to a Bachelor of Science degree with a major in nursing. The undergraduate program in nursing is a limited access upper division major at the University of South Florida. The program has two sequences: one for qualified basic students with no previous preparation in nursing and one for qualified registered nurse students who are graduates of an associate degree or diploma program in nursing. For further information about programs, scholarships, financial aid, faculty, and courses, consult the College of Nursing website at http://www.hsc.usf.edu/nursing/

The program is accredited by the National League for Nursing Accrediting Commission, 61 Broadway, New York, NY 10006, (212) 363-5555 ext. 153, and approved by the Florida State Board of Nursing. Graduates of the basic sequence are eligible to write the qualifying examination for licensure as a registered nurse. Graduates may apply for licensure in Florida or other states and successful undergraduates have the educational background necessary for graduate study in nursing.

Undergraduate Admission to the College of Nursing
The College of Nursing encourages applications from qualified applicants of both sexes and from all cultural, racial, religious, ethnic, and age groups. The College of Nursing uses selective criteria for the admission of students. Limitations on enrollments are determined on the basis of availability of sufficient qualified faculty, laboratory and classroom facilities, and clinical teaching resources.

There are two sequences in the undergraduate program, one for qualified students with no previous preparation in nursing (non-licensed students), and one for registered nurses, who are graduates of diploma or associate degree nursing programs.

Please be aware of the immunization and foreign language, and continuous enrollment policies of the university.

In order to be considered for full admission to the college, the applicant must:

1. Submit an application to USF by the appropriate deadline.
2. Submit a College of Nursing application and all supporting materials, including official transcripts, to the College by the appropriate deadline.
3. Complete, prior to enrollment, all state mandated common prerequisites with a grade of "C" or better (for non-licensed baccalaureate students only, completion by application deadline is advised). (See "Program of Study" below.)
4. Maintain a minimum grade point average of 2.5.
5. Complete, prior to enrollment, all those Liberal Arts courses required for admission to the major (for non-licensed baccalaureate students only, completion by application deadline is advised). (See "Liberal Arts Requirements." )
6. Complete all courses required for admission with not more than two (2) repeated courses and not more than one (1) repeat of any given course.
7. Complete the College Level Academic Skills Test (CLAST) or equivalent and the writing and computation course requirements of 6A-10.30 (Gordon Rule).
8. Complete an approved cardiopulmonary resuscitation (BCLS) course prior to enrollment.
9. Provide evidence of health insurance prior to enrollment.
10. Complete prior to enrollment the College of Nursing health form.
11. Provide evidence of current licensure in Florida if enrolling in the program as a registered nurse.

Nursing Advising
The College of Nursing Office of Student Affairs offers a comprehensive service for all College of Nursing degree programs and advice to non-majors who are interested in being admitted. The service includes Preview USF, Fantastic Friday, registration, academic advising, scholarships, graduation certification, mentorship programs, and referrals to other university and community-based services and career-related opportunities. However, the student must remember that he or she is ultimately responsible for meeting all graduation requirements.

The goals of the Office of Student Affairs are to:
- Help students develop their educational plans
- Help students select appropriate courses
Help students interpret institutional requirements
Facilitate total student development

Location/Phone(s): The Health Science Center for the College of Nursing (MDN) is located near Bruce B. Downs Blvd. and West Holly Drive on the Northeast corner of campus. The College office is in MDN, Room 1033, (813) 974-2191.

Advising Offices:
- Tampa Campus: College of Nursing Office of Student Affairs, (MDN) Room 1036, (813) 974-9305, (888) 974-9488 (in state only)
- St. Petersburg Campus: Baybor Hall (BAY), Room 119, (727) 553-3130.
- Sarasota Campus: Sarasota Memorial Hospital, 1950 Arlington St., Suite 323, (941) 917-1296.
- Lakeland Campus: Student Services Office (LLC), Room 210, (800) USF-5636 (in state only), (863) 667-7000
- Pasco Teaching Site: (727) 847-2727 ext. 3262 or (813) 974-9305.

Office Hours: 8 a.m. – 5 p.m., Monday through Friday. Some advising offices on regional campuses are open before 9 a.m. or until 6, Mondays through Thursdays; call the offices listed above for exact hours and appointment times.

Program Application Requests: Applications for the Nursing program are available from USF College of Nursing, Office of Student Affairs, MDC Box 22, 12901 Bruce B. Downs Blvd., Tampa, Florida 33612-4766 and at the College of Nursing website: http://www.hsc.usf.edu/nursing.

Preliminary Coursework for Nursing Students

The student must: 1) earn a grade of "C" or better in each state mandated common prerequisite course, 2) repeat no course more than once, 3) repeat no more than two (2) courses. Courses taken at another institution will be evaluated individually on the basis of content. Students in Florida community colleges can obtain information about equivalent courses from their counselors or by contacting the College of Nursing Office of Student Affairs (813-974-9305).

1. Mathematics/Quantitative Methods: completion of at least one course in mathematics that meets the Gordon Rule requirement and one course in statistics.

2. Natural Sciences: minimum of 16 semester credits (including anatomy, physiology, and microbiology). Each course (in "a" through "d" below) taken toward meeting the natural sciences requirement must have been completed with a grade of "C" or better. At least one course must include a laboratory or have a corequisite laboratory course.

3. Chemistry - 4 semester credits. Courses should include content in 1) principles of chemistry, 2) structure of matter, 3) atomic and molecular structure, 4) states of matter, 5) chemical formulas and nomenclature, 6) solutions, 7) chemical kinetics and equilibrium, 8) theory and practice of quantitative analysis, 9) organic chemistry. *CHM 2030 (4 credits) or CHM 2045, 2045L can be met with CLEP. *Chemistry sequence for non-science majors.

Microbiology - one course. MCB 3030C. The Regents examination in microbiology is acceptable for registered nurse students only.

Anatomy and Physiology - 6 semester hours. The Regents examination in anatomy and physiology is acceptable for registered nurse students only.
Nutrition - one course. HUN 2201. College of Nursing Challenge Examination or University of Florida correspondence course is acceptable.

3. Social Sciences: Each course taken toward meeting this requirement must have been completed with a "C" or better.

Psychology and Sociology - one introductory course in each area. CLEP is acceptable. Must be completed with a "C" or better.

Human Growth and Development (Life Span) - Must include birth through aging process to death. HUS 4020, DEP 4005 or DEP 3103 and GEY 3000. Must be completed with a "C" or better.

Students who enroll at USF in the lower division must meet the requirements for admission to the University and are advised by Academic Support and Achievement. These students may also wish to meet with a College of Nursing advisor. These students must also submit an application for admission to the College of Nursing for the upper division major.

Applicants for the major (the non-licensed sequence or the RN sequence) must submit applications to both the University and the College of Nursing by the appropriate deadline dates and complete the University's Liberal Arts requirements and College of Nursing prerequisites/support courses. These can be completed on the Tampa campus by enrolling in the lower division, or at any community college, university, or college that offers equivalent courses prior to transfer to USF (see "Program of Study" information below).

• NURSING PROGRAM (NON-LICENSED)

The non-licensed sequence is designed so that students who have completed the prerequisite/support courses can enroll in the nursing major and complete requirements for the degree in four semesters and a summer session of full-time study on the Tampa campus.

Non-licensed students are admitted once a year in the fall semester. The deadline for application to the College is January 5 of the year in which the student plans to enroll. Priority will be given to individuals who have completed all prerequisites by the application deadline.

NURSING COURSES - NON-LICENSED BACCALAUREATE SEQUENCE

Non-licensed Baccalaureate students meet the following courses in the five semester sequence:

JUNIOR YEAR (2 SEMESTERS)

NUR 3113 Culture of Nursing 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 Aspects in Nursing & Health Care 3
NUR 3145 Pharmacology in Nursing Practice 3
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 4318 Family Health 4
NUR 4616L Clinical Practice in Family Health 3
NUR 4636 Community Health 2
NUR 4636L Clinical Practice in Community Health 3
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 6 credits in upper division electives or exit requirements as determined by academic advisor and 4 credits in nursing electives will be required for graduation. Planning with an academic advisor prior to enrollment in upper-level electives is strongly recommended.

• NURSING PROGRAM (FOR REGISTERED NURSES)

The registered nurse sequence is designed so that registered nurses can enroll in the nursing major on a full-time or on a part-time basis at Tampa and on specific university campuses. Registered nurses who enroll as full-time students may complete requirements for the bachelor's degree in three semesters. If they enroll as part-time students, the degree requirements can be completed in six semesters.

Registered nurse students are admitted to the College each semester and may apply according to University admission deadlines. Registered nurse students desiring to transfer from other nursing programs are eligible for admission to the College on a space available basis. To be considered for transfer into the nursing major, applicants must meet University eligibility requirements. Registered nurse students are admitted to the College contingent upon completion of transcript evaluation and completion of admission requirements.

For more specific information contact the College of Nursing, Office of Student Affairs for overall requirements (974-9305) or visit the College of Nursing web site at http://www.hsc.usf.edu/nursing.

NURSING COURSES - REGISTERED NURSE SEQUENCE

Registered nurse students will take the following courses within the non-licensed baccalaureate sequence.
NUR 3064C Health Assessment 3
NUR 3113 Culture of Nursing 2
NUR 3114 Introduction to Clinical Judgement 3
NUR 3145 Pharmacology 3
NUR 3829 Ethical/Legal Aspects in Nursing & Health Care 3
NUR 4041 Culture in Nursing Practice 2
NUR 4636L Community Health 2
NUR 4636L Clinical Practice in Community Health 2
NUR 4165 Nursing Inquiry 2
NUR 4765C Rehabilitation Across the Lifespan 3
NUR 4766 Critical Care 2
NUR 4838 Leadership/Management 3
NUR 4948L Preceptorship 3

In addition to the requirements listed above, a minimum of 6 credits in upper division electives or exit requirements as determined by academic advisor and 4 credits in nursing electives will be required for graduation. Planning with an academic advisor prior to enrollment in upper-level electives is strongly recommended.

CONDITIONAL ADMISSION POLICY FOR REGISTERED NURSES

RN students may be admitted conditionally to the College of Nursing. Students may enroll in the appropriate sequence of the following selected courses while completing the prerequisite requirements. Nursing courses for the RN Sequence for students seeking the BS degree are listed below 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 3146 Pharmacology in Nursing Practice
NUR 3829 Ethical/Legal Aspects in Nursing and Health Care
Holsonback, - take these courses, students must

8. Demonstrate

5. Examine the impact of

3. Demonstrate understanding of the research process by

6. Practice within the

or community

nation Program (CLEP)

for a number of

any or

port/prerequisite courses.

1. Use concepts, principles, theories, and models from the natural and social sciences; the arts and humanities; and

2. Use critical thinking and clinical judgment as the basis for

nursing practice in providing and coordinating care for

individuals, families, and communities across the lifespan in

health promotion, disease prevention, health rehabilitation

and reform.

3. Demonstrate understanding of the research process by

integrating clinical data and research findings into nursing

practice.

4. Interact with other health care professionals, clients and

consumers as advocate, teacher, collaborator, communi-

cator, manager, and professional leader to plan, provide,

and evaluate essential health services for culturally diverse

and vulnerable populations.

5. Examine the impact of health care policy on the health care

delivery system within a variety of settings.

6. Practice within the ethical/legal parameters of professional

nursing.

7. Demonstrate the potential for leadership within the profes-

sion and healthcare delivery system.

8. Demonstrate accountable behavior in the professional

nursing role.

CLEP Examinations

In accordance with University policies, College Level Examina-

tion Program (CLEP) general and subject examinations may be

taken in several areas and according to the University or

community college policies related to CLEP. The CLEP general

examinations apply toward the distribution require-

ments at USF, and successful performance results in credit for

any or all of the required areas. In addition, credit may be earned

for a number of College of Nursing support courses, including:

English Composition ENC 1101, 1102; General Chemistry

CHM 2030 or CHM 2045, 2045L. Additional information may be

obtained from the Office of Evaluation and Testing, University

of South Florida, (974-2741, SVC 2054).

Regents and College of

Nursing Examinations

Successful completion of the following examination(s) can

be used to fulfill course requirements as designated below:

College of Nursing - Nutrition Challenge Examinations: a total of 3 semester credits can be earned by any undergraduate

student to meet the course requirement in nutrition. Information

about the College examination in nutrition may be obtained by contacting the College of Nursing Office of

Student Affairs, University of South Florida.

Registered nurses who are graduates of diploma programs

may receive up to 26 semester general elective lower level

credit through the successful completion of the Regents ex-

aminations in nursing. These credits do not apply toward

meeting the University requirement of 40 upper level credits,

or toward meeting the requirements of the upper level

nursing major. The credits earned by passing the Regents

examinations in nursing apply only to the B.S. degree with

a major in nursing offered by the College of Nursing.

Registered nurses who are graduates of Florida associate

degree programs will receive up to 26 semester lower level

credits for their previous nursing education. A statewide

AS to BS articulation agreement is under consideration.

Registered nurse students should contact the Office of

Student Affairs for advisement prior to enrollment. Gradu-

ates of other associate degree nursing programs may

receive up to 26 credits after individual evaluation of their

transcripts.

Registered nurse students may earn up to 6 semester credits

and fulfill the college's requirement in anatomy and physi-

ology through successful completion of the Regents exami-

nation in anatomy and physiology, and up to 3 credits in

microbiology through successful completion of the Re-

gents examination in microbiology. Regents examination

information maybe obtained from the Office of Student

Affairs, College of Nursing.

Degree Requirements

Students will be certified for the Bachelor of Science degree

with a major in nursing upon completion of 124 semester hours

composed of Liberal Arts requirements, science support

courses (natural, social/behavioral), required nursing courses,

and upper level electives or exit requirements.

A minimum grade of C or better must be attained in each

course in the major and cumulative grade point ratio of 2.0

or better must be maintained throughout the program. At least 40

semester hours must be upper level work (courses numbered

3000 or above).

ASN/MS Program

Registered nurses with an ASN degree have the option of

selecting the ASN to MS degree program. Support/prerequisite

courses are the same as for the ASN to BS option. Admission

is through the undergraduate program. Planning with a RN

advisor will determine the nursing course requirements and

progress through the program. The BS application process will

be followed. Contact the Office of Student Affairs for further

information (813-974-9305).

Nursing Faculty

Dean: P. Burns; Dean Emeritus: G. MacDonald; Professors: D.

Campbell, M. Evans, C. Lengacher, S. McMillan, L. Moody, J.

Pawlacki, B. Redding, O. Riggan, W. Walker; Professor Emeri-

tus: I. King; Associate Professors: C. Burns, J. Gregory, C. Long,

R. Sisson, M. Tittle, M. L. VanCott, Associate Professor Emeri-

tus: S. Boyd; Assistant Professors: T. Beckie, J. Beckstead, J.

Bezon, G. Erickson, L. Gonzalez, J. A. Grunow, C. Jewitt, P. Page,

J. Slocumb, M. Webb; Clinical Assistant Professors: J. Fanning,

J. Merritt; Instructors: D. Carnero, K. Echevarria, J. Goot, C.

Holsonback, A. Johnson; Visiting Instructors: D. Danforth, C.

Emmett, L. Ferguson, R. Keller, N. Menzel, A. Rutherford.

Nursing Courses

HUN2201 Nutrition

(3)

NUR 2935 Selected Topics In Nursing

(1-3)

NUR 3064C Nursing Assessment Across the Life Span

(3)

NUR 3113 Culture of Nursing

(2)

NUR 3114 Introduction to Clinical Judgment

(3)

NUR 3114L Introduction to Clinical Practice

(2)

NUR 3145 Pharmacology in Nursing Practice

(2)

NUR 3215 Adult Health I

(3)

NUR 3215L Clinical Practice in Adult Health I

(3)

NUR 3284C Gerontological Nursing

(2)

NUR 3829 Ethical Legal Aspects in Nursing and Health Care - MW

(3)

NUR 4040 Transcultural Nursing

(2)

NUR 4041 Culture In Nursing Practice

(2)

NUR 4116 Nursing Inquiry

(2)

NUR 4194 An Interdisciplinary Perspective in HIV Disease - 6A MW LW

(3)

NUR 4216 Adult Health II

(3)

NUR 4216L Clinical Practice in Adult Health II

(3)

NUR 4245 Wellness: Health Promotion and Maintenance in Nursing

(2)

NUR 4395C Specialized Techniques In Child Health Assessment

(3)
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<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>NUR 4525</td>
<td>Psychiatric/Mental Health</td>
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<tr>
<td>NUR 4525L</td>
<td>Clinical Practice in Psychiatric/Mental Health</td>
<td>(1)</td>
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<tr>
<td>NUR 4616</td>
<td>Family Health</td>
<td>(4)</td>
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<tr>
<td>NUR 4616L</td>
<td>Clinical Practice in Family Health</td>
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<tr>
<td>NUR 4636</td>
<td>Community Health</td>
<td>(2)</td>
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<tr>
<td>NUR 4636L</td>
<td>Clinical Practice in Community Health</td>
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</tr>
<tr>
<td>NUR 4643</td>
<td>Nursing Interventions into the Acute Effects of Drug and Alcohol Abuse</td>
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<tr>
<td>NUR 4644</td>
<td>Nursing Interventions into the Rehabilitation of Clients</td>
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<tr>
<td>NUR 4645</td>
<td>Substance Abuse Across the Lifespan</td>
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</tr>
<tr>
<td>NUR 4645C</td>
<td>Rehabilitation Across the Life Span</td>
<td>(2)</td>
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<tr>
<td>NUR 4646</td>
<td>Critical Care</td>
<td>(2)</td>
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<tr>
<td>NUR 4792</td>
<td>Sexually Transmitted Diseases And HIV Infection</td>
<td>(2)</td>
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<tr>
<td>NUR 4838</td>
<td>Leadership/Management</td>
<td>(3)</td>
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<tr>
<td>NUR 4905C</td>
<td>Independent Study</td>
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<td>NUR 4935</td>
<td>Selected Topics In Nursing</td>
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<td>NUR 4938</td>
<td>Honors Seminar</td>
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<td>NUR 4948L</td>
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<td>NUR 4975</td>
<td>Honors Thesis</td>
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As we enter the new millennium, public health looms large at the forefront of the world's concerns. Population pressures, environmental problems, maternal and child health care, disaster management, new emerging diseases, behavioral challenges, health care management and cost containment demand solutions from the public health professional.

To meet these challenges, the mission of the College of Public Health combines excellence in education, research and service to lead in health promotion and disease prevention in Florida and the global community. The USF College of Public Health is one of only 28 public health colleges in the nation and is fully accredited by the Council on Education for Public Health.

Undergraduate students major in a broad range of Bachelor degree programs including engineering, business, social sciences, biological sciences, nursing, social work, pre-medicine, other allied health specialties or interdisciplinary degrees in order to be prepared for graduate work in the College. Pre-medical students seeking admission to medical school may want to consider completing a Master's degree in public health prior to application or admission to medical schools or as an alternative to clinical degrees.

The content of study and field experiences are designed to prepare health professionals with skills to develop, implement, manage and evaluate programs which focus on health, behavioral, legal, medical and economic factors. Interdisciplinary areas include the mapping and control of infectious and chronic diseases, environmental factors that effect populations, and the methods of providing care to targeted populations including those faced with geographic, financial, cultural and other access barriers. Public health also concerns itself with finding cost-effective ways to keep health care costs down while assuring quality. Career opportunities are available in a variety of work settings including hospitals and ambulatory care facilities, managed care organizations, voluntary health agencies, public and private school systems, colleges and universities, local, federal and state health agencies, private industry and international health organizations.

Undergraduate students seeking careers in public health should request the College of Public Health Catalog and Career Guide in order to review the broad range of professions and plan an undergraduate program that will meet the College's admission requirements for graduate work. Learning opportunities are provided through advanced methods and technology, and the College follows a traditional curricular approach of methods but distance learning via satellite, internet, television, executive and weekend programs, learning institutes, certificate and continuing education courses.

The College offers undergraduate courses to prepare students for the graduate criteria required for admission. USF undergraduate courses HSA 4120 "Introduction to Public Health" and HSC 4554 "The Course of Human Disease" (or their equivalent) are prerequisites to graduate study in public health. The College offers undergraduate HSC 2933 "Selected Topics in Public Health." The Selected Topic course "Sex, Health, and Decision Making" is offered each semester. This course provides the student with an overview of the issues involving sexual behaviors, decision-making processes and health outcomes. HSC 4933 "Special Topics in Public Health" targets public health concerns and issues. Current Special Topics undergraduate courses include "The Health Care Market," which examines the evolution, structure, financing and provision of medical and health services; "Introduction to Water Resources Management" explores water quality, supply and the management and regulatory options; "Stress, Health and College Life" addresses the relationship between stress, as a multi-causal concept, health, and disease, and the recognition and prevention of an unhealthy level of stress.

Departments within the College include Community and Family Health, Epidemiology and Biostatistics, Environmental and Occupational Health, and Health Policy and Management.

Master's degrees include the Master of Public Health (MPH), a professional, non-thesis degree, the Master of Health Administration (MHA), the Master of Science of Public Health (MSPH), a research thesis degree, as well as the doctoral (PhD) degree.

Undergraduate Accelerated Entry Program for Master's Degree in Public Health Education

The Department of Community and Family Health offers an accelerated entry program that enables qualified undergraduate students to enter the Master of Public Health (MPH) degree program with a concentration in Public Health Education following the completion of 90 semester hours of undergraduate study (usually the end of the junior year). It is recommended that students enroll in undergraduate programs related to the field of public health as noted above. The program emphasizes a multidisciplinary approach of developing strategies for the efficient delivery of services, the adoption of self-care practices, and the promotion of healthier lifestyles. Full-time students are able to complete Master's degree requirements in 2 to 2-1/2 years. Interested individuals are encouraged to contact a health education faculty advisor during the term in which they expect to complete 60 undergraduate semester hours.

Students seeking admission to the MPH accelerated degree program must have completed 90 undergraduate semester hours, achieved at least a 3.0 GPA or a combined verbal and quantitative score of at least 1000 on the GRE, and satisfied the CLAST and Gordon Rule 6A-10.30 requirements. Students interested in this program or other public health graduate fields should contact the Office of Academics at the College of Public Health for a career guide and college catalog, 974-6665 or refer to the College Website www.hsc.usf.edu/publichealth.

Public Health Advising

Potential applicants should prepare at the undergraduate level for careers in public health. Except for the Accelerated Health Education program option, all applicants should have completed or be in their last semester of completing the Bachelor's degree prior to applying to this College. Several departments accept the MCAT score in lieu of the GRE for admission. The GMAT may be submitted for the Department of Health Policy and Management. Advisors in the College assist undergraduate students with career planning and selecting undergraduate coursework. For specific information, request a College of Public Health Catalog and Career Guide followed by an appointment with the College advisor.

Advising Office: The College of Public Health (CPH) is located on Bruce B. Downs Blvd. and Fletcher Ave. in the Northwest corner of the USF campus. The Advising office is CPHE Rm 1011.

Call toll free 1-888-USF-COPH or locally (813) 974-6665 for a College Catalog, Career Guide and an upcoming Schedule of Classes. Students who have completed the Bachelor's may register for up to 12 hours as non-degree students while in the process of applying to the College.

Address: 13201 Bruce B. Down Blvd, Tampa, FL 33612-3805; Mailpoint - MDC 56

Office Hours: 8am–8pm, Monday through Friday. Walk-ins are welcome but an appointment is recommended.

Email: advisor@hsc.usf.edu

Web Address: http://www.hsc.usf.edu/publichealth

Public and Community Health Education Courses

HAS 4120 Introduction to Public Health
HSC 2100 Contemporary Health Science -SS
HSC 4554 Human Structure and Function
HSC 4554 Survey of Human Diseases
HSC 5319 Problems of School Age Population
HSC 4933 Special Topics in Public Health
The Department of Military Science for Army Reserve (AFROTC) is designed to develop students' leadership potential as well as improve students' planning, organizational, and managerial skills. The Department offers both a four- and a two-year program, each leading to a commission as a second lieutenant in the United States Army. The four-year program requires completion of the Basic Course, a five-week field training course, and the Advanced Course. Students with prior active military service or previous training at military schools may exempt some or all of the Basic Course. Students with questions concerning the various options should contact the Professor of Military Science for more information. Enrollment is open to qualified students at all levels, including graduate students. Offerings are published each semester.

Army ROTC training is offered to both men and women students and provides free uniforms and textbooks. Scholarships are awarded on a competitive basis in all academic and training programs. The scholarship pays for tuition, books, lab fees, and certain other academic expenses. All Advanced Course and scholarship students receive $150.00 per month for subsistence. This is in addition to the pay of approximately $700.00 while attending the five-week field training course at the Summer Advanced Camp. Additional skills training at the Airborne School, Air Assault School, and the Nuclear, Biological, and Chemical Warfare School is available to both Basic and Advanced Course students during semester breaks. Additional skills training is also available during the academic year to include first aid, rappelling, orienteering, etc.

Basic Course: The Basic Course consists of four semesters of classroom instruction of one hour each week. Students incur no military commitment by participating in the Basic Course.
Advanced Course: The Advanced Course is designed to prepare the student who desires to be a Professional Army Officer for duty, either Reserve, National Guard, or Active Army. The training consists of four semesters of classroom instruction of three hours each week, lab, field training exercises, and a five-week training phase at summer Advanced Camp.

The newly commissioned officer can be guaranteed Reserve or National Guard duty, or compete for an Active Duty commission. Prior to commissioning the student may request to serve in a number of career fields to include aviation, engineering, medical, law, law enforcement, logistics, and personnel administration.

Requirements for an AROTC Commission: Students who desire to earn a commission as a second lieutenant in the United States Army must meet the following requirements: four semesters of the ROTC Advanced Course, successfully complete the Professional Military Education Courses (written communication skills, computer literacy, and military history), attend Advanced Camp, maintain and graduate with a minimum of 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 AI Carroccetto, CPT Robert Hardbarger, CPT John Wright, SFC Nicholas Davis

Military Science Courses
Students attending the University without an Army Scholarship may take the 1000 and 2000 level courses with no obligation to the Army. Army Scholarships and service obligation options are discussed in class.
MIS 1000 Organization of the Army and ROTC (1)
MIS 1400C Fundamentals of Leadership Development (1)
MIS 2601 Military Training Management and Instructional Techniques (1)
MIS 2610 Leadership Assessment (1)
MIS 2610L Leadership Laboratory (1)
MIS 3302 Small Unit Operations (3)
MIS 3404 Leadership Fundamentals Tactics And Camp Preparation (3)
MIS 4410 Army As a Profession (2)
MIS 4421 Seminar In Military Leadership & Management (3)
MIS 4930 Advanced Directed Study And Research (1-3)

Evaluation and Testing
Location/Phone: SVC 2054; (813) 974-2742
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://usfweb.usf.edu/ugrads/eandt/evalex.html

The Office of Evaluation and Testing serves four principal functions:
1. Admissions, Academic and Placement Testing: Tests required for admission to colleges, graduate and professional schools as well as many other special tests are administered by this office. Examples are the SAT, ACT, CPT, CLAST, GRE, MCAT, and LSAT.
2. Scanning and Scoring Services: Analysis and advisory services aid in construction and validation of tests used in classes; survey design and data analysis are also available for research purposes as well as test scoring and analysis by machine. In addition, this office coordinates the student assessment of instruction process.
3. Credit By Examination: The College-Level Examination Program (CLEP) is administered through this office. Information on other programs such as the Advanced Placement Test (APT) is available.
4. College Level Academic Skills Test (CLAST): This office, in addition to administrating the CLAST, implements many of the rules and policies of the College Level Academic Skills Program (CLASP).

University Honors Program
Tampa and St. Petersbure Campuses

Tampa Campus Location/Phone: FAO 274; (813) 974-3087
St. Petersbure Campus Location/Phone: COQ 210; (727) 553-3123
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: http://www.usf.edu/~honors

Students in the Four Year Program take nine Honors courses that examine the nature of human knowledge, ethics, interdisciplinary approaches to the sciences, social sciences, arts and humanities, multiculturalism, and major works and major issues. A Senior Thesis is the culmination of the Honors experience. (Course descriptions appear later in the catalog.) Students also complete six semester hours of English, six semester hours of Mathematics, and five to ten hours of foreign language. Honors students may satisfy the English and Math requirements through Advanced Placement, IB, or CLEP (See "Academic Programs and Services" section). University Honors Program-Four Year Track students satisfy USF Liberal Arts and Exit Requirements by completing the core Honors courses and the English, Math and foreign language requirement. Enrolling in University Honors-Four Year Track does not increase academic work-load or the number of credits needed to graduate.

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

University Honors Program-Two Year Track students take four courses that include inquiry into major works and major issues, a Senior Thesis and an elective chosen from Program offerings. Students also complete five to ten hours of a foreign language (on the college level) which may have been taken prior to enrollment at USF. Completion of the Honors core courses satisfies USF Exit Requirements. Enrolling in University Honors-Two Year Track does not increase academic work-load or the number of credits needed to graduate.

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

Departmental Honors Programs are available in some disciplines. Requirements vary according to department, but all require the completion of a Thesis. Students may enroll in both University and Departmental Honors. Students in two Honors Programs are required to complete only one Thesis. Admission to University Honors is determined by the University Honors Committee and the Director of Honors; admission to Departmental Honors is determined by the individual department. Students who satisfactorily complete Honors and graduate with at least an overall GPA of 3.3 and a USF GPA of 3.3 shall be identified as Honors Program Graduates at Commencement as well as on their diplomas and transcripts.

Honors Program Faculty
Director: Stuart Silverman (Instructors for the Honors courses are recruited from among the University's outstanding teacher-scholars).

Honors Program Courses
IDS 3949 Cooperative Education (0)
IDH 2009 Discovery: People, Processes and Problems (3)
IDH 2010 Acquisition of Knowledge (3)
IDH 3100 Arts/Humanities Honors (3)
IDH 3350 Natural Sciences Honors (3)
IDH 3400 Social and Behavioral Sciences Honors (3)
IDH 3600 Seminar In Applied Ethics (3)
The use of these courses as electives for undergraduate students represents the first step in the planned expansion of SACD's cooperative pre-professional and liberal education partnerships with undergraduate degree granting units at USF and other regional colleges. A coordinated pre-professional curriculum option within the Liberal Studies Major and ALA Degree Program offered by the College of Arts and Sciences will begin accepting students in 2000-01. The Liberal Studies pre-professional major will provide choices of accelerated study tracks toward the pre-requisites and graduate credit requirements of various advanced degree fields and related preparation for careers in design, planning, research, and management of urban built environments.

For more specific information on the opportunities available through the Liberal Studies Major and ALA Degree — as well as current semester class offerings, schedules, and registration procedures for SACD courses — students and faculty advisers should first examine SACD website resources, following up as needed with staff/faculty contacts by telephone and/or e-mail.

Website: www.arch.usf.edu
Telephone: 813-974-4031
E.mail: information@arch.usf.edu

### Courses and Programs Outside Undergraduate Colleges

#### Architecture and Community Design

The School of Architecture & Community Design (SACD), a professional graduate school affiliated to the Office of Graduate Studies, offers pre-professional study opportunities in architecture and community design topics which may be taken as electives within the liberal education study plans for a wide range of baccalaureate degree fields. These offerings are available both to USF students and those attending other regional institutions who are interested in preparing for various advanced degrees and careers in the urban development industry.

SACD encourages upper level student enrollment in eleven (11) current graduate level courses as electives within their individual majors and distribution opportunities as well as continuing to offer "ARC 4784 The City", an approved Exit Course. Topics covered in this listing include most of the required and elective coursework associated with the first three semesters of graduate studies for the Master of Architecture degree. They provide broad awareness and understanding of history, theory and technology associated with the profession's focus on urban built environments, as well as introductory architectural design and graphic skills. Credits earned in these graduate level courses on a non-degree seeking basis can be applied later toward advanced standing in the USF Master of Architecture curriculum by those students who meet SACD's admission standards.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IDH 4000</td>
<td>Honors Program Seminar: Major Works/Majors Issues</td>
<td>(4)</td>
</tr>
<tr>
<td>IDH 4200</td>
<td>Geographical Perspectives Honors</td>
<td>(3)</td>
</tr>
<tr>
<td>IDH 4970</td>
<td>Honors Thesis</td>
<td>(3)</td>
</tr>
<tr>
<td>IDS 4932</td>
<td>Honors Program Seminar</td>
<td>(3)</td>
</tr>
<tr>
<td>IDS 4950</td>
<td>Honors Program Project</td>
<td>(3)</td>
</tr>
<tr>
<td>IDS 4970</td>
<td>Honors Program Thesis</td>
<td>(3)</td>
</tr>
</tbody>
</table>

### International Student Exchange Program (ISEP)

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

### Courses and Programs Outside Undergraduate Colleges

#### Architecture

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<td>ARC 4784</td>
<td>The City -SA MW</td>
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<tr>
<td>ARC 5175</td>
<td>Computer Technology</td>
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<tr>
<td>ARC 5216</td>
<td>The Building Arts</td>
<td>(3)</td>
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<tr>
<td>ARC 5266</td>
<td>Design Methods</td>
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<td>ARC 5361</td>
<td>Architectural Design I</td>
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<td>ARC 5362</td>
<td>Architectural Design II</td>
<td>(6)</td>
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<tr>
<td>ARC 5467</td>
<td>Materials and Methods of Construction</td>
<td>(4)</td>
</tr>
<tr>
<td>ARC 5470</td>
<td>Introduction to Technology</td>
<td>(3)</td>
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<tr>
<td>ARC 5587</td>
<td>Structures I</td>
<td>(3)</td>
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<tr>
<td>ARC 5588</td>
<td>Structures II</td>
<td>(3)</td>
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<tr>
<td>ARC 5689</td>
<td>Environmental Technology</td>
<td>(4)</td>
</tr>
<tr>
<td>ARC 5731</td>
<td>Architectural History I</td>
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<tr>
<td>ARC 5732</td>
<td>Architectural History II</td>
<td>(3)</td>
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<tr>
<td>ARC 5789</td>
<td>Modern Architecture History</td>
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<tr>
<td>ARC 5793</td>
<td>History Abroad</td>
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<tr>
<td>ARC 5820</td>
<td>Architectural Design Studio Abroad</td>
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<tr>
<td>ARC 5831</td>
<td>Special Studies in Architecture</td>
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#### Cooperative Education

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#### Medicine

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<td>BMS 4402</td>
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GENERAL COURSE INFORMATION
UNIVERSITY OF SOUTH FLORIDA - 2000/2001 UNDERGRADUATE CATALOG

Courses offered for credit by the University of South Florida are listed on the following pages in alphabetical order by college and subject area. The first line of each description includes the State Common Course prefix and number (see below), title of the course, and number of credits. Credits separated by commas indicate unified courses offered in different semesters.

AMH 2010, 2020 AMERICAN HISTORY I, II (4,4)
HUM 4905 DIRECTED RESEARCH (1-5)
MAT 7912 DIRECTED RESEARCH (var.)

The following abbreviations are utilized in various course descriptions:
PR Prerequisite
CI With the consent of the instructor
CC With the consent of the chairperson of the department or program
CR Corequisite
Lec. Lecture
Lab. Laboratory
Dem. Demonstration
Pro. Problem
Dis. Discussion

SPECIAL INFORMATION COURSE CODES
6A Courses to satisfy Rule 6A-10.30 (Gordon Rule)
EC Course fulfills part of the Liberal Arts General Education Requirement for English Composition
FA Course fulfills part of the Liberal Arts General Education Requirement for Fine Arts
HP Course fulfills part of the Liberal Arts General Education Requirement for Historical Perspectives
NS Course fulfills part of the Liberal Arts General Education Requirement for Natural Sciences
AF Course fulfills part of the Liberal Arts General Education Requirement for African, Latin American, Middle Eastern, or Asian Perspectives
QM Course fulfills part of the Liberal Arts General Education Requirement for Qualitative Methods
SS Course fulfills part of the Liberal Arts General Education Requirement for Social Sciences
XLW Course fulfills part of the Liberal Arts Exit Requirement for Literature and Writing
XMW Course fulfills part of the Liberal Arts Exit Requirement for Major Works and Major Issues

Five Year Course Deletion Rule
In compliance with State of Florida Department of Education ruled 6A-10.0331, USF undergraduate courses not taught for five years, or fewer if desired, are deleted from the Undergraduate Catalog.

The University reserves the right to substitute, not offer, or add courses that are listed in this catalog.

Alphabetical Listing of Departments and Programs
Course descriptions are listed by college under the following department and program headings:
Department/Program College
Accounting Business Administration
Administration/Supervision Education
Adult Education Education
African Studies Arts and Sciences
Air Force ROTC University-wide Courses
American Studies Arts and Sciences
Ancient Studies (Religious Studies) Arts and Sciences
Anthropology Arts and Sciences
Arabic (Language) Arts and Sciences
Army ROTC University-wide Courses
Art Fine Arts
Art Education Fine Arts
Astronomy Arts and Sciences
Bachelor of Independent Studies Arts and Sciences
Basic and Interdisciplinary Engineering
Biology Engineering
Business and Office Education Education
Chemistry Arts and Sciences
Chemical Engineering Engineering
Chinese (Language) Arts and Sciences
Civil and Environmental Engineering
Computer Engineering
Common Body of Knowledge Business Administration
Communication Arts and Sciences
Communication Sciences and Disorders Arts and Sciences
Community Experiential Learning Program Arts and Sciences
Computer Education Engineering
Computer Science and Engineering Engineering
Computer Service Courses University-wide Courses
Cooperative Education Arts and Sciences
Criminology Fine Arts
Dance Education
Early Childhood Education Business Administration
Economics Arts and Sciences
Electrical Engineering Engineering
Elementary Education Education
English Arts and Sciences
English Education Education
Environmental Science & Policy Business Administration
Environmental Science & Policy Fine Arts
Fine Arts Interdisciplinary Education
Foreign Language Education University-wide Courses
French (Language) Arts and Sciences
General Business Administration Business Administration
General Foreign Languages Arts and Sciences
Geography Arts and Sciences
Geology 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
Liberal Studies Arts and Sciences
Library & Information Science Arts and Sciences
Linguistics Arts and Sciences
Management Business Administration
Marine Science Arts and Sciences
Marketing Business Administration
Mass Communications Arts and Sciences
Mathematics Education Education
Mathematics Education Education
Measurement and Research Education
Mechanical Engineering Engineering
Medical Technology Arts and Sciences
Military Science (Army ROTC) Fine Arts
Music Fine Arts
Music Education Fine Arts
Nursing Nursing
Philosophy Arts and Sciences
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Humanities Education
Industral/Technical Education
Measurement-Research
Physical Education - Elective
Physical Education - Professional
Psychological & Social Foundations of Education
Reading Education
Science Education
Social Science Education
Special Education

College of Engineering
Basic and Interdisciplinary Engineering
Chemical Engineering
Civil and Environmental Engineering
Computer Science & Engineering
Computer Service Courses
Electrical Engineering
Industrial and Management Systems
Mechanical Engineering

College of Fine Arts
Art
Art Education
Dance
Fine Arts Interdisciplinary
Music
Music Education
Theatre

College of Nursing
Nursing

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

AML
Africana Studies, History, Women's Studies

AMS
Africana Studies, English

ANT
Africana Studies, Anthropology, Women's Studies

ARA
Arabic (Language)

ARC
Architecture

ARE
Art Education, Elementary Education

ARH
Art History

ART
Art

ASH
History

ASN
International Studies

AST
Astronomy

BCH
Chemistry

BMS
Biochemistry, Medical Sciences

BOT
Biology

BSC
Biology

BTE
Business & Office Education

BUL
General Business Administration

CAP
Computer Science & Engineering

CBH
Psychology

CCJ
Criminology

CDA
Computer Science & Engineering

CEG
Civil & Environmental Engineering

CEN
Computer Science & Engineering

CES
Civil & Environmental Engineering

CGN
Civil & Environmental Engineering

CGS
Computer Service Courses, Mathematics, Mathematics Education

CHI
Chinese

CHM
Chemistry

CHS
Chemistry

CIS
Computer Science & Engineering

CJT
Criminology

CLA
Classics, Religious Studies

CLP
Psychology

CLT
Classics

COM
Communication, Women's Studies

COP
Computer Service Courses, Computer Science & Engineering, Mathematics

COT
Computer Science & Engineering

CPO
Africana Studies, Political Science

CRW
English

CWR
Civil & Environmental Engineering

DAA
Dance

DAE
Dance

DAN
Dance

DEC
Distributive & Marketing Education

DEP
Psychology

EAS
Mechanical Engineering

ECH
Mechanical Engineering

ECO
Economics

ECP
Economics

ECS
Economics

ED
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

ENV
Civil Engineering and Mechanics

ENY
Biology

EPI
Special Education

ESI
Industrial & Management Systems Engineering

ETG
Computer Service Courses

ETI
Computer Service Courses

EUF
History

EUS
International Studies Program

EVR
Environmental Science & Policy
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<td>RFI</td>
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SYD Sociology, Women's Studies
SYG Sociology
SYO Sociology
SYK Sociology
TAX Accounting
THE Theatre
TPA Theatre
TPP Theatre
TSL Linguistics
TTE Civil & Environmental Engineering
URP Geography, Political Science
WAC Mass Communications
WST History, International Studies, Women's Studies
YOR Yoruba (Language)
ZOO Biology

**COURSE LEVEL DEFINITION**

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<td>Level</td>
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<td>3000-3999 Junior Level</td>
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<td>Level</td>
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<tr>
<td>Graduate</td>
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<td>Level</td>
<td>6000-Up Graduate Level</td>
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**FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM**

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This common numbering system is used by all public postsecondary institutions in Florida and by those承认ing 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 physical location at the same time. The "L" designates 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 all community colleges. The same course is offered at a state university as SYG 1010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 1010 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. The student is required to take the courses to be transferable to another institution, even if the course prefix and numbers are the same. This information is contained in the individual SCNS course equivalency profiles for each course in the sequence.

**Course Prefix:** The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

**Authority for Acceptance of Equivalent Courses:** State Board of Education Rule 6A-10.024(17), Florida Administrative Code, reads:

"When a student transfers among institutions that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be equivalent to courses offered at the receiving institution and are entered in the course numbering system. Credit so awarded can be used by transfer students to satisfy requirements in these institutions on the same basis as native students."

**Exceptions to the General Rule for Equivalency:** The following courses are exceptions to the general rule for course equivalencies and may not be transferable. Transferability is at the discretion of the receiving institution:

A. Courses in the _900-_999_ series (e.g., ART 2905)
B. Internships, practica, clinical experiences, and study abroad courses
C. Performance or studio courses in Art, Dance, Theater, and Music
D. Skills courses in Criminal Justice
E. Graduate courses
F. College preparatory and vocational preparatory courses

College preparatory and vocational preparatory courses may not be used to meet degree requirements and are not transferable.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to Office of the Dean, Undergraduate Studies, USF, SVC 2002, 4202 East Fowler Avenue, Tampa, FL 33620-6920, or the Florida Department of Education, Office of Postsecondary Education Coordination, 1101 Florida Education Center, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 488-6402 or Suncom 278-6402.
### College and Department Codes

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<thead>
<tr>
<th>Code</th>
<th>Department</th>
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<tbody>
<tr>
<td>ARC</td>
<td>Architecture and Community Design</td>
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<tr>
<td>AFA</td>
<td>Africana Studies</td>
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<tr>
<td>AFR</td>
<td>African American Studies</td>
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<td>Anthropology</td>
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<td>MUS</td>
<td>Music/Music Education</td>
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<tr>
<td>MIS</td>
<td>Military Science - Army ROTC</td>
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### Course Descriptions

#### ACG 2021 Principles of Financial Accounting (3) BA ACC

Study of basic accounting principles including the recording and reporting of financial activity. The preparation and interpretation of financial statements.

#### ACG 2071 Principles of Managerial Accounting (3) BA ACC

PR: ACG 2021. A study of the accountant's role in assisting management in the planning and controlling of business activities.

#### ACG 3074 Managerial Accounting for Non-Business Majors (3) BA ACC

Does not count towards major or CPA requirements. The study of the uses of accounting data internally by managers in planning and controlling the affairs of organizations.

#### ACG 3103 Intermediate Financial Accounting I (3) BA ACC

PR: ACG 3103. Continuation of ACG 3103. Topics include financial statements, financial analysis, and current and long-term liabilities, stockholders' equity, earnings per share, and investments.

#### ACG 3113 Intermediate Financial Accounting II (3) BA ACC

PR: ACG 3103. Continuation of ACG 3103. Topics include financial statements, financial analysis, and current and long-term liabilities, stockholders' equity, earnings per share, and investments.

#### ACG 3341 Cost Accounting and Control I (3) BA ACC

PR: ACG 3101 Accounting Information Systems (3) BA ACC. Students who complete this course will not receive credit for ACG 4621. This course provides students with a basic understanding of well-controlled information systems, their applications, and the collection, processing, and reporting of accounting information.
ACG 4123 Intermediate Financial Accounting III (3) BA ACC  
PR: ACG 3113. Theorize and practice underlying revenue recognition, income tax allocation, leases, post-retirement benefits, error analysis, statement of cash flows, full disclosure, and other current accounting topics.

ACG 4331 Cost Accounting And Control II (3) BA ACC  
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) BA  

ACG 4621 Computer Control and Audit (3) BA ACC  
PR: ISM 3113. Students who complete this course will not receive credit for ISM 4320 or ACG 3401. Study of information systems controls and auditing techniques emphasizing the effect both general and specific controls have on asset protection, data integrity, system effectiveness and efficiency in computerized business environments.

ACG 4632 Auditing I (3) BA ACC  
PR: ACG 3113 and ACG 3401. This course provides a sound conceptual foundation of basic Auditing process from the perspective of the public accounting profession. Professional standards, ethics, legal responsibilities, and utilization of technology are addressed.

ACG 4642 Auditing II (3) BA ACC  
PR: ACG 4632. Further development of material covered in ACG 4632, with special emphasis on additional reporting topics and audit techniques currently not previously addressed.

ACG 4901 Independent Study (1-3) BA ACC  
PR: Consent of Director. S/U only. Specialized independent study determined by the students' needs and interests.

ACG 4911 Independent Research (1-4) BA ACC  
PR: Consent of Director. Individual student contract with instructor and director required. The research project will be mutually determined by the student and instructor.

ACG 4931 Selected Topics In Accounting (1-4) BA ACC  
PR: CI. The course content will depend on student demand and instructor's interest.

ACG 4932 Honors Accounting Seminar (3) BA ACC  
PR: Honors Seminar offered 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 5224 Advanced Financial Accounting IV (3) BA ACC  
PR: ACG 4123. Accounting for business combinations, preparation of financial statements, home office/branch relationships, foreign operations and transactions, partnerships.

ACG 5675 Internal and Operational Auditing (3) BA  
PR: ACG 3111 and ACG 4632. The objective of Internal and Operational Auditing is to provide students with an opportunity to learn about the theory and practice of Internal and Operational Auditing and to apply relevant audit principles and techniques to selected audit problems.

AGF 5935 Selected Topics In Accounting (1-4) BA ACC  
PR: CI. To allow advanced undergraduate students and graduate students to research and study contemporary and emerging topics in the field.

ADE 4384 Working With the Adult Learner: Adult Education (3) ED EDV  
An investigation of the needs of the adult learner. Identification of principles of adult learning, physiological, psychological, and social characteristics of adult learners, and corresponding implications are explored.

ADV 3000 Introduction to Advertising (3) AS COM  
PR: MMC 2100 and MMC 3602. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic and legal aspects.

ADV 3101 Advertising Copywriting (3) AS COM  
PR: ADV 3000 and ECO 1000. Study of laboratory experience in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays, specialty items, and interactive electronic media.

ADV 3103 Radio-Television Advertising (3) AS COM  
PR: ADV 3000. An intensive study and analysis of radio and television advertising for national and local sale, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

ADV 3300 Advertising Design (3) AS COM  
PR: ADV 3000 (for advertising sequence majors) or VIC 3000 (for other Mass Comm majors). Application of graphic design principles to various areas of advertising. Combining visual and verbal elements effectively.

ADV 3800 Advertising Media Strategy (3) AS COM  
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) AS  
PR: ADV 3000, PR: 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) AS COM  
PR: ADV 3101, ADV 3300, MMC 4420, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaigns, including research, production methods, budgeting, and media schedules.

ADV 4940 Advertising Practicum (1) AS COM  
PR: CI. For advertising sequence majors. S/U only. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study.

AFA 2000 Introduction to the Black Experience [in Africa and Its Diaspora] 6A AF (3) AS AFA  
Fundamental perspectives on the nature and significance of the Black Experience in Africa and the black communities in the Americas.

AFA 4150 Africa and the United States 6A SS HP AF (3) AS INT  
An examination of the historical and current political, economic, and cultural relations between the United States and Africa.

AFA 4200 Slavery in the Americas and in the Caribbean MW (3) AS INT  
This course examines the institution of enslavement in North, South, and Central America, and the Caribbean. It takes an interdisciplinary approach in exploring the social, political, and economic underpinnings of slavery.

AFA 4313 Black English MW (3) AS AFA  
PR: Junior or Senior standing. This course focuses on linguistic patterns among African Americans in the U.S., South and Central America, and the Caribbean. It examines language in relation to issues of domination, social stratification, economics and political empowerment.

AFA 4331 Social institutions and the African-American Community (3) AS AFA  
A study of social institutions as they relate to the African-American Community, with emphasis on social systems operating within and on the African-American community.

AFA 4335 Black Women in America GW (3) AS AFA  
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience.

AFA 4350 African American Community Research MW (3) AS AFA  
The interactive, field experience course introduces students to active and applied research methodologies and the uses of this research in Black urban communities.

AFA 4810 Directed Reading (1-3) AS AFA  
PR: CI. Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.

AFA 4931 Selected Topics in Africana Studies (3) AS AFA  
Topics offered are selected to reflect student needs and faculty interests. Taught in years when interest exists. Topics include the Black Student and the African American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th century; Contemporary Economic Problems in Africa.

AFA 5300 Issues in Africana Studies (3) AS AFA  
Variable topics course focusing on the history, culture, and lived experiences of Africans, African-American, and/or other peoples of African descent worldwide. Repeat up to 12 hours as topics vary.

AFH 3100 African History (3) HST 1850 HP AF (3) AS HSTY  
A non-linear survey of pre-colonial African history including a pre-  
atory introduction to the use of primary sources (such as archaeolog­  
y, oral tradition, cultural anthropology, comparative linguistics,  
documents) in reconstructing the African past.

AFH 5300 The African Diaspora since 1850 AF (3) AS HSTY  
Survey of the Colonial and post-colonial history of Africa. Emphasis  
on the impact of European and other alien influences on the continent, emergence of independent African states, and post-
AFR 3231 Air Force Leadership and Management - II (3) UG AFR
CR: AFR 2000, AFR 2001 A continuation of the study of Air Force advancement and leadership. Concentration is on organizational and personal values, management of forces in change, organizational power, politics, and managerial strategy and tactics are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

AFR 4201 National Security Forces In Contemporary American Society I (3) UG AFR
CR: AFR 2000, AFR 2001 A study of the Armed Forces as an integral element of society, with an emphasis on American civil-military relations and context in which U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military and the role of the professional military leader-manager in a democratic society.

AFR 4211 National Security Forces In Contemporary American Society II (3) UG AFR
CR: AFR 2000, AFR 2001 A continuation of the study of the Armed Forces in contemporary American society. Concentration is on the requisites for maintaining adequate national security forces; political, economic, and social constraints on the national defense structure; recent technologies 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.

APS 3133 African Literature Survey 6A LW (3) AS AFA
CR: AFR 3250 or Senior standing. Explore the socio-historical, philosophical and political dynamics of African cultures through the study of African oral literature and the reading of African literary texts of various genres.

AFS 3251 Environmental - Cultural Study in Africa SS FA AF (3) AS AFA
CR: AFR 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 2010 American History I HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from European origins to 1877.

AMH 2020 American History II HP (3) AS HTY
A history of the United States with attention given to relevant developments in the Western Hemisphere from 1877 to present.

AMH 3110 American Colonial History to 1750 (4) AS HTY
A study of the evolution of American society from the Age of Reconnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.

AMH 3130 The American Revolutionary Era (4) AS HTY
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalty, violence, and slavery in American society from 1750-1789.

AMH 3140 The Age of Jefferson (4) AS HTY
A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and ethno-cultural conflicts.

AMH 3160 The Age of Jackson (4) AS HTY
The United States from 1828-1850, with emphasis on social and political conflict. Concentration of evolving politics, labor movements, urbanization, and political activity in the antebellum era.

AMH 3170 The Civil War and Reconstruction (4) AS HTY
An examination of political, social, and economic climate of the 1850s that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).

AMH 3201 The United States, 1877-1914 (4) AS HTY
A study of America from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations and imperialism.

AMH 3231 Thirteenth United States, 1914-1945 (4) AS HTY
A study of America's role in the Cold War, in Vietnam, and in the post-Cold War era. Also examines domestic developments, such as the consumer culture, protest movements, and abuses of political power.

AMH 3403 The South since 1865 (4) AS HTY
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, desegregation and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3421 Early Florida (4) AS HTY
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

AMH 3423 Modern Florida (4) AS HTY
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

AMH 3500 American Labor History (4) AS HTY
A study of American workers from the colonial period to the present. Also examines the lives of Americans, including minorities and women, during war, prosperity, and the Great Depression.

AMH 3500 American Labor History (4) AS HTY
A study of America's role in the Cold War, in Vietnam, and in the post-Cold War era. Also examines domestic developments, such as the consumer culture, protest movements, and abuses of political power.

AMH 3503 The South since 1865 (4) AS HTY
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, desegregation and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3520 Early Florida (4) AS HTY
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

AMH 3540 U.S. Diplomatic History to 1898 6A (4) AS HTY
The development of American Foreign Relations in the Agricultural Frontier Era.

AMH 3551 U.S. Diplomatic History in the 20th Century (4) AS HTY
A history of American Foreign Relations in the Industrial era.

AMH 3550 U.S. Immigration History (4) AS HTY
A study of the composition and character of the "American" people with emphasis on the period from 1840s to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world's social, economic and political conditions.

AMH 3560 U.S. Diplomatic History (4) AS HTY
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in...
the unfolding formulation and development of American armed might.

**AML 3545 War and American Empire (4) AS HTY**
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and the evolution of the Revolution to Vietnam.

**AML 3561 American Women I (4) AS HTY**
A study of women in the evolution of American society from European origins to 1877. Women’s roles in the family, economy, politics, war, and reform movements will be examined.

**AML 3562 American Women II (4) AS HTY**
A study of women in the evolution of American society from 1877 to the present. Women’s roles in the family, economy, politics, religion, and reform movements will be examined.

**AML 3571 African American History to 1865 HP (3) AS AFA**
A survey of African American history, with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War.

**AML 3572 African American History since 1865 HP (3) AS AFA**
A survey of African American history, with an emphasis on North America, from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Rights Movement.

**AML 3800 History of Canada (4) AS HTY**
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, separatism, and regionalism.

**AML 3031 American Literature From the Beginnings to 1860 (3) AS ENG**
A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.

**AML 3032 American Literature From 1860 to 1912 (3) AS ENG**
A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.

**AML 3051 American Literature From 1912-1945 (3) AS ENG**
A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.

**AML 3453 Historical Perspectives in Early American Literature HP (3) AS ENG**
Will not be counted toward the English major. Examines American literature from the Colonial Period to the Civil War as a manifestation of the growth of government, society, culture, and intellectual forces.

**AML 3604 African American Literature 6A LW (3) AS ENG**
A study of black American literature from the nineteenth century to the present, including the works of such writers as W.E.B. Dubois, Jean Toomer, Nella Link, Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni.

**AML 4111 Nineteenth-Century American Novel (3) AS ENG**
A study of the American novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.

**AML 4121 Twentieth-Century American Novel (3) AS ENG**
A study of major trends and influences in American prose fiction from 1900 to the present. Includes works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Updike, Vonnegut, and others.

**AML 4281 Literature of the South (3) AS ENG**
A study of the major writers of the “Southern Renaissance,” including such figures as Faulkner, Carson McCullers, O’Connor, Warren, Styron, Tate, Davidson, and Dickey.

**AML 4303 Zora Neale Hurston: Major Works 6A MW LW (3) AS ENG**
PR: Junior or Senior standing. The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and a renown Florida author.

**AML 4330 Selected American Authors (3) AS ENG**
The study of two or three related major authors in American literature, with emphasis on several major figures; the course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary.

**AML 4624 Black Women Writers 6A LW (3) AS ENG**
Black women writers focuses on the literature of women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of Africana women in context of a global community.

**AMS 2030 Introduction to American Studies SS HP (3) AS AMS**
An overview of American Studies, the interdisciplinary study of American culture. Analysis of the arts and literature, including music; social issues; popular culture; material culture; cultural diversity; and social change. These approaches will be applied to specific cultural contexts.

**AMS 2201 Colonial American Culture HP (3) AS AMS**
An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.

**AMS 2212 Nineteenth-century American Culture HP (3) AS AMS**
An examination of cultural patterns in America from 1776 to 1900 with an emphasis on the texture of everyday life.

**AMS 2270 Twentieth-century American Culture HP (3) AS AMS**
An examination of cultural patterns in America from 1900 to the present with emphasis on the texture of everyday life.

**AMS 2363 Issues in American Civilization (1-4) AS AMS**
An examination of selected topics such as natural environment and the quality of life, sports and American society, popular music, American communities, vigilant tradition, jazz music, role of the family, American successes and myths, youth in America. Topic varies.

**AMS 3001 American Culture 1880-1915 6A HP (4) AS AMS**
Integration of major aspects of American life between the 1880s and World War I.

**AMS 3210 Regions of America HP (4) AS AMS**
The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions. Topic varies.

**AMS 3230 America During the Twenties and Thirties (4) AS AMS**
Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.

**AMS 3260 American Culture, 1830-1860 6A HP (4) AS AMS**
Examines the pattern of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.

**AMS 3302 Architecture and the American Environment (3) AS AMS**
By means of slides, lectures and discussion the course examines 350 years of American architectural history. Architectural styles, aesthetics and the relation between a building and its social environment are stressed.

**AMS 3370 Southern Women: Myth and Reality 6A HP (3) AS AMS**
This course will identify the myths surrounding Southern Women, discern their sources and purposes, and contrast them with history.

**AMS 3601 Material Culture and American Society SS HP (3) AS AMS**
By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans and communal societies.

**AMS 3700 Racism in American Society SS HP (3) AS AMS**
An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of ethnocentrism and social conflict will also be studied.

**AMS 3930 Selected Topics in American Studies (1-4) AS AMS**
Offerings include Cultural Darwinism in America, America Through Eyes, and The Feminist in American Culture.

**AMS 4152 Film in American Culture (3) AS AMS**
Surveys the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, performer, subject, or period of time.

**AMS 4804 Major Ideas in America MW (3) AS AMS**
Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, utopianism, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies.

**AMS 4910 Individual Research (1-4) AS AMS**
The content of the course will depend on student demand and instructor interest. Instructor approval required prior to registration.

**AMS 4930 Selected Topics in American Studies (1-4) AS AMS**
PR: Senior in American Studies or CI. Offerings include the social
ART 4153 North American Archaeology (3) AS ANT
PR: ANT 3100 or CI. An examination of the evidence regarding the human settlement of North America from its beginnings through the development of aboriginal cultures to the period of European conquest. Emphasis on the comparative study of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 Florida Archaeology (4) AS ANT
PR: ANT 3100 or CI. Antiquities and 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 with the entire eastern U.S. and elsewhere. May and July sessions. Only one 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) AS ANT
PR: ANT 3100 or CI. Describes and analyzes the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimú are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4153 Mesoamerican Archaeology (3) AS ANT
PR: ANT 3100 or CI. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as the Olmec, 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 4181 Museum Methods (4) AS ANT
PR: ANT 3100 or CI. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

ANT 4180 Laboratory Methods in Archaeology (2-4) AS ANT
PR: ANT 3100, DPR. Data and materials recovered from archaeological survey and excavation are processed in the laboratory; includes artifact cleaning, cataloguing, identification, and analysis; soil flotation, reconstruction and conservation of artifacts, mapmaking, etc. May be offered every semester (spring or other semester) field session. May be combined with Florida Archaeology and Field Methods in Archaeology.

ANT 4181 Museum Methods (4) AS ANT
PR: ANT 3100 or 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 4032 Environmental Archaeology (4) AS ANT
PR: ANT 3010 or CI. This course examines environmental constraints on ancient human societies, and how human activities have impacted the environment in the last several thousand years. Presentation of the methods used to reconstruct prehistoric environments will be followed by detailed student studies of Florida, Central and South America, Easter Island, the Mediterranean, and the Near East.

ANT 4231 Folklore 6A (3) AS ANT
PR: ANT 2410 or CI. Focuses on cross-cultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived). Oceanic and Native American societies are surveyed.

ANT 4141 Magic and Religion 6W MW (3) AS ANT
PR: ANT 2410 or CI. The cross-cultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious practitioners and systems of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4285 Oral History (4) AS ANT
PR: ANT 2410 or CI. A survey of the history, methods, and current applications of oral history research, primarily in the anthropological study of culture, but with reference to allied disciplines. Students will become familiar with oral history through intensive analysis of selected case studies as well as guided field projects.

ANT 4302 Gender in Cross-Cultural Perspective MW (3) AS ANT
PR: ANT 2410 or CI. Focuses on several theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today.

ANT 4212 North American Archaeology (3) AS ANT
PR: ANT 2410 or CI. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonizers. Emphasis on various patterns of ecological adaptation, social, political and religious systems, enclosure and worldview, folklore and visual art.
ANT 4316 Ethnic Diversity in the United States MW (3) AS ANT
PR: ANT 2410 or Cl. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, economies, institutions, and problems affecting ethnic groups in the United States.

ANT 4324 Mexico and Central America (3) AS ANT
PR: ANT 2410 or Cl. Focuses on the history, contemporary values and contact, relations of countries, and problems of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 The Caribbean 6A MW (3) AS ANT
PR: ANT 2410 or Cl. Main themes include: the depopulation of the area, the redefinition of the area as a slave region, and migration; contemporary ethno-heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4390 Visual Anthropology (4) AS ANT
PR: ANT 2410 or Cl.

ANT 4401 Exploring Cross-Cultural Diversity MW (3) AS ANT
For non-majors only. This course will introduce students to anthropological perspectives which are useful in understanding the implications of cultural diversity related to changing demographic patterns within our society as well as to increasing globalization.

ANT 4442 Urban Life and Culture (3) AS ANT
PR: ANT 2410 or Cl. The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.

ANT 4460 Health, Illness, and Culture (3) AS ANT
PR: ANT 2410 or Cl. The study of health and human behavior in cross-cultural perspective. Main themes include: the impact of disease on the development of human culture; comparative studies of curing practices; medical systems in their relationship to ideology. Emphasis is on understanding the role of medicine, and the behavior of both practitioners and patients in modern societies.

ANT 4495 Methods in Cultural Research (3) AS ANT
PR: DPR. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, elicitiation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied. A supervised research in the local community is designed and carried out.

ANT 4520 Forensic Anthropology (3) AS ANT
PR: ANT 2511 or Cl. A detailed overview of forensic anthropology, including identification, the techniques of determining sex, age, population affiliation, aspects of osteological individuality and identification, methods of osteological analysis. Open to majors/minors only.

ANT 4586 Prehistoric Human Evolution AS (3) AS ANT
PR: ANT 2511 or Cl. A survey of the fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human lineage. Biocultural patterns and cultures of the past are also covered.

ANT 4587 Human Variation (3) AS ANT
PR: ANT 2511 or Cl. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences are explored.

ANT 4620 Language and Culture 6A (3) AS ANT
PR: ANT 3610 or Cl. Examines the relationships between language and culture in cross-cultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasizes the related degree of fit between linguistic and other cultural systems of knowledge.

ANT 4701 Applied Anthropology (3) AS ANT
PR: ANT 2410 or Cl. 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 effects of political alliances on strategic policies and problems affecting ethnic groups in the Third World.

ANT 4750 Language and Social Interaction 6A (3) AS ANT
PR: ANT 3610 or Cl. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the cross-cultural description and analysis of patterns of communication in ethnographic contexts.

ANT 4824 Archaeological Field Methods (4-12) AS ANT
PR: ANT 3100, DPR. Offered as all or part of a summer (or other semester) field session. 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 4900 Individual Research (2-4) AS ANT
PR: DPR. S/U only. Individual guidance in a selected research project. Contract required prior to registration.

ANT 4907 Individual Research (2-4) AS ANT
PR: DPR. S/U only. Individual guidance in a selected research project. Contract required prior to registration.

ANT 4930 Special Topics in Anthropology (3) AS ANT
PR: Cl. Topics to be chosen by students and instructor permitting newly developing interdisciplinary special interests to be explored.

ANT 4932 Honors Seminar (4) AS ANT
PR: Admission to the honors program in anthropology and DPR. Seminar enrollment with a faculty member will fulfill, conduct, analyze, and report in writing a research project.

ANT 5915 Individual Research (2-4) AS ANT
PR: Cl. DPR. Contract required prior to registration. S/U. Individual guidance in selected research project.

ANT 6970 Honors Thesis (2-4) AS ANT
PR: Senior or GS Topics to be chosen by students and instructor.

ARA 1120 Modern Arabic I (4) AS MLL
CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening, comprehension, reading, and composition.

ARA 1120L Modern Arabic I Laboratory (1) AS MLL
CR: ARA 1120. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously.

ARA 1121 Modern Arabic II (4) AS MLL
PR: ARA 1120 or its equivalent. CR: ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

ARA 1121L Modern Arabic II Laboratory (1) AS MLL
CR: ARA 1121. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. S/U only. A laboratory designed to offer additional practice using various instructional technologies and media.

ARA 2200 Modern Arabic III (4) AS MLL
PR: ARA 1121 or its equivalent. For language students who intend to attain basic proficiency.

ARA 2201 Modern Arabic IV (4) AS MLL
PR: ARA 2200 or the equivalent. Continuation of ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

ARA 4905 Directed Study (1-5) AS MLL
Departmental approval required. S/U only. Permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion.

ARA 4930 Selected Topics (1-5) AS MLL
Departmental approval required. Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion.

ARC 4784 The City 6A MW (3) AR ARC
This course examines the history of the city, as both idea and reality, with a particular focus on Western cities, and the 20th century. The course is open to undergraduates and students in the Graduate Architecture Program.

ARC 5175 Computer Technology (3) AR ARC
PR: CC Introduction to the application of computer technology in current architectural practice. The exploration of available software programs, and to offer practical services for word processing, information handling, specification writing, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), com-
Introduction

ARC 5216 The Building Arts (3) AR ARC
PR: CC Introduction to the man-made environment. The study and profession of architecture. The various facets of the process of studying the built environment as it meets itself its different roles and specialization of the experts involved the process, and in the various academic courses that prepare the architect for practice.

ARC 5256 Design Methods (3) AR ARC
PR: Calculus, CC Survey of major schools of thought in design theory, methods of design and problem-solving, and design research. The nature of the design activity and its recurring difficulties. The nature of different types of problem-solving and design in architecture; recent systematic as well as intuitive approaches to problem-solving based on developments in other fields. Scientific method; the systems approach and design.

ARC 5361 Architectural Design I (6) AR ARC
PR: CC First of two semester Design Fundamentals/Design Graphics sequence focusing on design abstraction and analysis of the factors influencing conceptual design. Emphasis is placed on ordering the individual raw elements, and utilization and figure-ground relationships. Development of craftsmanship, drawing as a means to design, and perceptual acuity are stressed.

ARC 5362 Architectural Design II (6) AR ARC
PR: AR ARC 5361. CC Second of two semester Design Fundamentals/Design Graphics sequence focusing on synthesis of design concepts and application of ordering principles in architectural design. Emphasis is placed on developing an understanding and awareness of architecture, urbanism, and design process. Students will work in the teams, independently as well as with other professionals and use the work of significant architects and use it as a basis for design exploration. Graphic documentation, diagramming, and model studies are stressed.

ARC 5363 Architectural Design III (5) AR ARC
PR: AR ARC 5362, ARC 5216, ARC 5467, ARC 5587, ARC 5731, ARC 5869. CC Study of the various phases of the building delivery and design process, and of different approaches to ordering that process in a systematic fashion. The student will use one such system to develop the investigation and development of design solutions for a project of moderate scale and complexity. Studies of built form ordering principles, mass/void relationships, scale and proportion, color, texture, contextual relationships, meaning/imagery, and building technology (awareness of structural organization, service networks, construction processes and materials). Aspects of human behavior as design determinants.

ARC 5364 Architectural Design IV (5) AR ARC
PR: AR ARC 5363. CC Application of design and design processes to building projects of moderate complexity and scale. Continued investigation of the relationship between human behavior and the environment. Analysis and integration of site relationships into the development of design solutions. Lectures on the principles of zoning, building codes, and regulations regarding access for handicapped persons, fire escape, etc.

ARC 5365 Architectural Design V (5) AR ARC
PR: AR ARC 5364, AR 5366, ARC 5464, ARC 5588, ARC 5669, ARC 5782. CC Investigation of the interaction between user requirements, environmental determinants, site and urban context conditions, technological factors, and design intentions in the development of design solutions for projects of medium scale and complexity. The analysis, design, and coordination of the various resulting systems, including structural, circulation, service networks, space zoning and use, environmental control systems at the interface between interior and exterior of a building. Representation of these relationships and systems in diagrams and models, and their manifestation in design and construction details.

ARC 5366 Architectural Design VI (5) AR ARC
PR: ARC 5365, CC Design of multi-purpose buildings of medium to large scale, and the ways in which they are located in the community and how design as they relate to the design of buildings. Restoration and adaptive re-use of existing historic buildings. Focus on thinking through as well as documenting the complete building system and process.

ARC 5476 Materials and Methods of Construction (4) AR ARC
PR: ARC 5470, CC Overview of properties of primary materials and construction systems which comprise building structure and enclosures. Emphasis on interconnection and application of elements, assemblies, relative to climate, assembly processes, costs, codes, and craftsmanship. Lab sessions include field trips to manufacturing facilities, construction sites, and preparation of drawings and models of assemblies.

ARC 5470 Introduction to Technology (3) AR ARC
Introduction to architectural technology, including structures, materials and methods of construction, and environmental controls. Overview of building systems and components and their integration into architectural design projects.

ARC 5587 Structures I (3) AR ARC
PR: Calculus, Physics, and ARC 5760, CC Review of static and mechanical principles of materials. Analysis and evaluation for appropriate selection of structural systems and elements. Analysis and design of timber and steel structures, based on moment, shear, and deflection. Fundamentals of wind and seismic design as they apply to wood and steel construction. Truss analysis, beam and column behavior.

ARC 5588 Structures II (3) AR ARC

ARC 5589 Environmental Technology (4) AR ARC
PR: Physics, ARC 5470, CC Comprehensive review of mechanical, electrical, and plumbing systems for buildings. Energy utilization, heating and cooling, water delivery and waste removal, fire protection, illumination, transportation systems, and acoustics. Lab exercises include computer simulations, illumination studies, thermal performance studies.

ARC 5731 Architectural History I (3) AR ARC
Overview of the built environment from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Variety of methodological approaches to the analysis of historical architecture. The focus will be on the built environment of Europe and the Mediterranean basin.

ARC 5732 Architectural History II (3) AR ARC
Overview of the built environment from the Renaissance to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological, and economic context. Study of various methodological approaches to the analysis of historic architecture, and development of student's own approach. Emphasis on the environment of Europe and America.

ARC 5789 Modern Architecture History (3) AR ARC
CC, CI Exploration of the philosophic, economic, aesthetic, social, historical and moral imperatives used by modern architects and historians in their attempt to design the appropriate physical environment for a new social order. The course will investigate the writings and works of the proponents of the modern style of architecture and study the "New Architecture" as defined by those who broke tradition and expressed the new era using modern construction materials and techniques.

ARC 5793 History Abroad (3) AR ARC
PR: CC. Summer study abroad. Summer study abroad. Location and description varies from year to year.

ARC 5920 Architectural Design Studio Abroad (5) AR ARC
PR: CC. Summer study abroad. Summer study abroad. Location and description varies from year to year.

ARC 5921 Special Studies in Architecture (1-5) AR ARC
PR: CC Variable titles offered on topics of special interest.

ARE 3044 Experiential Basis of Artistic Mind (3) FA ART
Designed to 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) FA ART
PR: ARE 3044. A combination of theory, philosophy and practice in both public and private learning centers to provide the student with a coherent and teaching and media explorations in art education and to further enable the student to understand stages of young people, three to eighteen.

ARE 4037 Senior Seminar in Art Education (2) FA ART

ARE 4112 Education Through Crafts (3) FA ART
An in-depth study of arts and craft media for children. Emphasis will be placed on innovative use of new materials and curriculum in school restructuring.

ARE 4313 Art For the Child and You (3) FA ART
Art and the intellectual, creative, emotional, and aesthetic growth of children.

ARE 4440 Art Teaching Strategies II (3) FA ART
Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

ARE 4443 Crafts Workshop in Art Education (3) FA ART
PR: ARE 3044. The study and practice of processes and media