KEY TO TAMPA CAMPUS MAP (ABOVE)

1 John & Grace Allen Administration Bldg.
2 Library
3 University Center
4 University Theatre
5 Theatre Center
6 Fine Arts Bldg.
7 Medicine 'Surge' Bldg.
8 Life Sciences Building
9 Chemistry Bldg.
10 Science Center
11 Engineering Bldg.
12 Physics Bldg.
13 Planetarium
14 Campus Information Center
15 Classroom/Library
16 Language/Literature Bldg.
17 Education Bldg.
18 Faculty Office Bldg.
19 Business Administration Bldg.
20 Social Science Building
21 Classroom Bldg. A
22 Physical Education Building
23 Gymnasium
24 Argos Center
25 Alpha Hall
26 Beta Hall
27 Gamma Hall
28 Andros Office-Classroom Bldg.
29 Andros Center
30 Delta Hall
31 Epsilon Hall
32 Zeta Hall
33 Eta Hall
34 Theta Hall
35 Iota Hall
36 Kappa Hall
37 Lambda Hall
38 Mu Hall
39 University Police Hu.
40 USF Credit Union
41 Operations & Maintenance Administration Bldg.
42 Maintenance & Utility Bldgs.
43 Textbook Center
44 Engineering Research Bldg.
45 Central Receiving Bldg.
46 Medical Center
47 Botanical Garden
48 Univ. Foundation Apartments
49 Observatory

A Baptist Student Center
B Episcopal Student Center
C University Chapel Fellowship
D Catholic Student Center
Visiting the University

Prospective students are invited to visit the University whenever possible. University offices receive visitors from 8:00 a.m. to 5:00 p.m. Monday through Friday. With advance notice, tour guides for visiting groups may be arranged. The University is located on Fowler Avenue (State Route 582) approximately two miles east of Interstate 75 and Nebraska Avenue (U.S. Route 41) and seven miles north of Interstate 4.

Communicating with the University

Communications regarding the programs listed below should be directed by letter or by phone to the appropriate office on the Tampa or St. Petersburg campus. Mailing addresses for the campuses are given at the bottom of the page. St. Petersburg offices may be reached by dialing 813: 898-7411 and asking for the desired office; Tampa campus offices may be reached by dialing 813: 974- and the extension included below.

Academic Advising (for freshmen)
Division of University Studies
FAO 126  2645

Academic Advising (for upperclassmen and graduate students)
Office of the Dean of the appropriate college

Admissions (and applications)
Office of Admissions
ADM 180  2987
(Medical students should contact the Dean of the College of Medicine)

Athletics (Intercollegiate)
Athletic Director
PED 214  2125

Bachelor of Independent Studies
Adult Degree Program
FAO 105  2403

Career Planning and Placement
Personal Resource Center
AOC 105  2295

College Level Examination Program (CLEP tests)
Office of Testing and Advanced Placement
FAO 201  2741

Community College Relations (for transfer students)
Office of Community College Relations
FAO 149  2506

Continuing Education Courses and Conferences
Center for Continuing Education
FAO 101  2403

Cooperative Education Program
Personal Resource Center
AOC 106  2171

Equal Opportunity Program
Office of the Equal Opportunity Coordinator
ADM 250  2607

Financial Assistance (scholarships, loans, and student employment)
Office of Financial Aids
ADM 172  2621

Food Services
Office of Housing and Food Services
RAR 229  2761

Graduate Studies
Division of Graduate Studies
ADM 229  2846

Handicapped Student Program and Facilities
Office of Student Affairs
ADM 153  2151

Health Services
Health Center
CTR 411  2331

High School Relations
Office of High School Relations
FAO 126  2076

Housing (on campus)
Office of Housing and Food Service
RAR 229  2761

Housing (off-campus)
Student Government Office
CTR 156A  2401

Information Services
Office of Information Services
ADM 190  2181

Library Resources
Office of the Director of Libraries
ULI 224  2721

Orientation ("Focus")
Office of Student Affairs
ADM 153  2151

Parking and Traffic Services
University Police Department
UPB  2628

Records, Registration, Transcripts
Office of Records & Registration
ADM 264  2987

Student Affairs
Office of Student Affairs
ADM 153  2151

Textbook Facilities
Textbook Center
CTR 102  2545

Upward Bound
Project Upward Bound
APT 16  2802

University of South Florida at St. Petersburg
830 First Street South
St. Petersburg, Florida 33701
Telephone 813: 898-7411

University of South Florida
4202 Fowler Avenue
Tampa, Florida 33620
Telephone: 813: 974-2011
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# Academic Calendar

## Summer Quarter (IV), 1973

**NOTE:** Dates apply to regular term. See quarterly Schedule of Classes for appropriate dates for 3- and 6-week sessions.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>*May 11, Friday</td>
<td>Last day to apply for admissions</td>
</tr>
<tr>
<td>June 7, 8, Thurs., Friday</td>
<td>Registration by appointment (tentative)</td>
</tr>
<tr>
<td>June 11, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 15, Friday</td>
<td>Last day to withdraw and/or drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>June 15, Friday</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>June 25, Monday</td>
<td>Last day to register for Continuing Education courses</td>
</tr>
<tr>
<td>June 25, Monday</td>
<td>Last day to apply for Continuing Education course refund</td>
</tr>
<tr>
<td>July 4, 5, 6, 7, Wed., Thurs., Fri., Sat.</td>
<td>Independence Day Holiday and Mid-Quarter break</td>
</tr>
<tr>
<td>July 14, Saturday</td>
<td>Last day to drop courses without penalty</td>
</tr>
<tr>
<td>July 20, Friday</td>
<td>Last day to withdraw without penalty</td>
</tr>
<tr>
<td>August 11, Saturday</td>
<td>End of Summer Quarter (IV)</td>
</tr>
</tbody>
</table>

*Earlier dates may be required by the graduate programs*

## Winter Quarter (II), 1973-74

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>*December 5, Wednesday</td>
<td>Last day to apply for admission</td>
</tr>
<tr>
<td>Jan. 2, 3, Wed., Thurs.</td>
<td>Registration by appointment (tentative)</td>
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<tr>
<td>Jan. 4, Friday</td>
<td>Last day for late registration (see late registration fee)</td>
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<tr>
<td>Jan. 10, Thurs.</td>
<td>Last day to withdraw and/or drop and receive full refund of registration fees</td>
</tr>
<tr>
<td>Jan. 10, Thurs.</td>
<td>Last day to add courses</td>
</tr>
<tr>
<td>Jan. 17, Thurs.</td>
<td>Last day to register for Continuing Education courses</td>
</tr>
<tr>
<td>Jan. 24, Thurs.</td>
<td>Last day to apply for degree to be earned at the end of Winter Quarter (II) 1973-74</td>
</tr>
<tr>
<td>Feb. 11, Monday</td>
<td>Gasparilla Day Holiday</td>
</tr>
<tr>
<td>Feb. 14, Thurs.</td>
<td>Last day to drop courses without penalty</td>
</tr>
<tr>
<td>Feb. 15, Friday</td>
<td>Last day to withdraw without penalty</td>
</tr>
<tr>
<td>March 15, Friday</td>
<td>End of Winter Quarter (II)</td>
</tr>
</tbody>
</table>

*Earlier dates may be required by the graduate programs*

## Fall Quarter (I), 1973-74

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>*August 22, Wednesday</td>
<td>Last day to apply for admission</td>
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<tr>
<td>Sept. 18, 19, 20, 21, Tuesday., Wed., Thurs., Fri.</td>
<td>Registration by appointment (tentative)</td>
</tr>
<tr>
<td>Sept. 24, Monday</td>
<td>Classes begin</td>
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<tr>
<td>Sept. 28, Friday</td>
<td>Last day to withdraw and/or drop and receive full refund of registration fees</td>
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<tr>
<td>Sept. 28, Friday</td>
<td>Last day to add courses</td>
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<tr>
<td>Sept. 28, Friday</td>
<td>Last day for late registration (see late registration fee)</td>
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<tr>
<td>October 5, Friday</td>
<td>Last day to register for Continuing Education courses</td>
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<tr>
<td>October 5, Friday</td>
<td>Last day for Continuing Education course refund</td>
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<tr>
<td>October 12, Friday</td>
<td>Last day to apply for degree to be earned at the end of Fall Quarter (I), 1973-74</td>
</tr>
<tr>
<td>October 22, Monday</td>
<td>Veterans Day Holiday</td>
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<tr>
<td>Nov. 2, Friday</td>
<td>Last day to drop courses without penalty</td>
</tr>
<tr>
<td>Nov. 9, Friday</td>
<td>Last day to withdraw without penalty</td>
</tr>
<tr>
<td>Nov. 22, 23, Thurs., Friday</td>
<td>Thanksgiving Day Holiday</td>
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<tr>
<td>December 7, Friday</td>
<td>End of Fall Quarter (I)</td>
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*Earlier dates may be required by the graduate programs*

## Spring Quarter (III), 1973-74

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<th>Date</th>
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<td>Last day to apply for admission</td>
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<td>March 21, 22, Thurs., Fri.</td>
<td>Registration by appointment (tentative)</td>
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<tr>
<td>March 25, Monday</td>
<td>Classes begin</td>
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<tr>
<td>March 29, Friday</td>
<td>Last day to withdraw and/or drop and receive full refund of registration fees</td>
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<tr>
<td>March 29, Friday</td>
<td>Last day to add courses</td>
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<tr>
<td>March 29, Friday</td>
<td>Last day for late registration (see late registration fee)</td>
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<td>April 5, Friday</td>
<td>Last day to register for Continuing Education courses</td>
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<tr>
<td>April 5, Friday</td>
<td>Last day for Continuing Education course refund</td>
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<tr>
<td>April 12, Friday</td>
<td>Last day to apply for degree to be earned at the end of Spring Quarter (III), 1973-74</td>
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<tr>
<td>May 3, Friday</td>
<td>Last day to drop courses without penalty</td>
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<td>May 8, Wednesday</td>
<td>Last day to withdraw without penalty</td>
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<td>May 27, Monday</td>
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<td>June 5, Wednesday</td>
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<td>June 9, Sunday</td>
<td>Commencement Convocation</td>
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*Earlier dates may be required by the graduate programs*
**Summer Quarter (IV), 1974**

NOTE: Dates apply to regular term. See quarterly Schedule of Classes for appropriate dates for 3- and 6-week sessions.

May 15, Wednesday
June 13, 14, Thurs., Friday
June 17, Monday
June 21, Friday

- Last day to apply for admission
- Registration by appointment (tentative)
- Classes begin
- Last day to withdraw and/or drop and receive full refund of registration fees
- Last day to add courses
- Last day for late registration (see late registration fee)
- Last day to register for Continuing Education courses
- Last day for Continuing Education course refund
- Independence Day Holiday
- Last day to apply for degree to be earned at the end of Summer Quarter (IV), 1973-74
- Last day to drop courses without penalty
- Last day to withdraw without penalty
- End of Summer Quarter (IV)

*Earlier dates may be required by the graduate programs*

---

**ACADEMIC CALENDAR, 1973-74**

### First Period, 1973

- July 6, 1973, Friday
- July 9, Monday
- September 3, Monday
- November 2, Friday

Registration
Classes Begin
Labor Day Holiday
End of First Period

### Second Period, 1973

- November 5, 1973 Monday
- November 22, Thursday
- November 23, Friday
- November 26, Monday
- December 21, Friday
- January 7, 1974, Monday
- February 11, Monday
- March 8, Friday

Classes Begin
Thanksgiving Holiday
Thanksgiving Holiday
Classes Resume
Christmas Vacation
Classes Resume
Gasparilla Day Holiday
End of Second Period

### Third Period, 1974

- March 11, Monday
- June 21, Friday

Classes Resume
End of Third Period

---

**1973**

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THE UNIVERSITY

General Information

The University of South Florida is many things — more than 20,000 students, faculty and staff members, over 100 instructional, research and service programs and a 65 million dollar physical plant of 40 major buildings. It is these things — and more. USF is also a concept, an idea whose time has come: the metropolitan university. On the following pages are cataloged information about this idea and the people, programs and facilities comprising it. We hope that you find here the answers to your questions about these and other aspects of the University of special interest to you. If you do not, you should feel free to contact the appropriate USF office(s) by mail or in person for the information you need.

Background and History

The University of South Florida was founded on December 18, 1956, but the first students did not arrive until almost four years later. When USF was opened to a charter class of 1,997 freshmen on September 26, 1960, it became the first major state university in the country planned and built entirely in this century. In addition, USF became the first state university in Florida located purposely in a major metropolitan center and represented the first step in a broad and comprehensive expansion of the State University System.

The State University System, directed by the Board of Regents, and administered by the Chancellor and a staff of 100 in Tallahassee, today consists of nine public universities. Included are the Florida A&M University (Tallahassee), Florida Atlantic University (Boca Raton), Florida International University (Miami), The Florida State University (Tallahassee), Florida Technological University (Orlando), University of Florida (Gainesville), University of North Florida (Jacksonville), University of South Florida (Tampa), and the University of West Florida (Pensacola). Together with some 28 public junior and community colleges and a number of vocational-technical centers located throughout the State, these universities comprise the public institutions of higher education in Florida.

USF was fully accredited in 1965 by the Southern Association of Colleges and Schools, the official accrediting agency for educational institutions in the South. A self-study of the University’s programs and purposes, periodically required for continued accreditation, was recently completed and provides a firm foundation for the future growth of the University.

In its brief history, the University of South Florida has had only two presidents. The founder and chief architect of the new university was Dr. John Allen, an astronomer and educator, who served as USF’s first president from 1956-1970. Dr. Harris W. Dean, professional educator, served as Acting President from July 1970 to February 1971. Dr. Cecil Mackey, economist and lawyer, became the University’s second president on February 1, 1971, and is presently leading the University in its second decade of development.

Now in its sixteenth year of existence, the University has graduated more than 20,000 students — eighty percent of whom reside in Florida. Total enrollment in the fall of 1972 reached 18,988 and projections indicate that USF will serve more than 25,000 students on several campuses by the end of this decade.

Because of its location and the composition of its student body, it is obvious that USF is inextricably a part of the modern urban environment — and both affects and is affected by the communities surrounding and supporting it.

USF: Part of the Urban Environment

Accessibility

The main campus of the University is located on a 1672-acre tract 10 miles northeast of downtown Tampa, a city of over a quarter of a million people. The campus is midway between U.S. 41 and 301 on State Highway 582, two miles east of I-75.

The St. Petersburg campus of USF, the only branch campus in the State University System, is located on an eleven-acre tract in downtown St. Petersburg, a city of a third of a million people. Together with Clearwater, Tampa and St. Petersburg form anchor points of a metropolitan area rapidly becoming a megalopolis along the shores of Tampa Bay. Within commuting distance of the University live more than one and a half million people — nearly a quarter of the State’s population. USF is the only public university easily accessible to most of them.

The Challenge

The megalopolis emerging on Florida’s West Coast presents a major challenge to higher education in the State—the challenge of the unsolved problems and potentialities inherent in modern urban development.

In a real sense, such an urban area is a laboratory—a laboratory in which are studied first-hand many of the
problems increasingly a part of twentieth-century life. Air and water pollution, traffic snarls, crime in the streets and sub-standard housing are merely visible symptoms of some of the complex ills affecting our increasingly urban society. A university located in such a laboratory is in an advantageous position to study and eventually to help solve these problems.

Mission
As the State’s first urban university, a prototype of the university of the future, the University of South Florida from its beginning has sought to apply the talents of its scholars and students to the peculiar ills besetting modern man. In this way, USF has sought to accomplish the special mission in the State University System set out for it in the Comprehensive Development Plan (CODE) of the State University System of Florida (1969): The creation and development of programs “oriented toward the solution of problems peculiar to the modern urban environment.”

Achieving the University’s Mission: Measures of Success

Students Served
Since opening our doors in September of 1960, the University of South Florida has been dedicated to accomplishing this special mission in the modern metropolitan environment. One measure of our success is reflected in the composition of our student body:

- More than 90 percent of our students are Floridians and over 80 percent of our graduates reside in the State.
- More than two-thirds of our students commute to class from their homes.
- Over one-third of our student body are part-time students, and 40 percent are employed from one to 40 hours per week.
- More than two-thirds of all USF students are 21 or older and about one-third of our students are married.
- Almost 60 percent of USF’s nearly 20,000 graduates reside in the Greater Tampa Bay Area.

Programs Offered
A measure of success in accomplishing the University’s mission—and one more significant than mere statistics—is the nature of our academic programs. Through them we have sought to serve an increasingly urban State and nation. These programs are in the Academic Affairs division of the University and, for the most part, are administered in one of our nine colleges: Business Administration, Education, Engineering, Fine Arts, Language & Literature, Medicine, Natural Sciences, Nursing, and Social & Behavioral Sciences.

In this Bulletin are discussed the major academic programs in the University. Through them we serve the people of Florida through the instruction of students, the advancement of knowledge, and community service.

Degrees are offered in over 100 academic areas by the University’s colleges. Graduate degrees are offered in more than 80 of these areas.

The University’s first Ph.D. program, in Biology with emphasis on Marine Biology, was established in 1968. Ph.D. programs in Chemistry and Education began in 1969, and programs in English, Mathematics and Psychology were authorized in 1971. The first Ph.D. (in Marine Biology) was awarded in June of 1971.

The University’s full-time teaching and research faculty, numbering more than 950, represents all major areas of higher learning, and nearly 60 percent hold doctoral degrees.
Academic Programs on the St. Petersburg Campus

The University of South Florida at St. Petersburg opened in September, 1965, and provides an opportunity for USF students who are residents of Pinellas County to complete all or a portion of their course work in selected areas without leaving the county. However, enrollment at the St. Petersburg campus is not restricted to Pinellas County residents.

Located on Bayboro Harbor adjacent to downtown St. Petersburg, the campus is within easy walking distance of many of the cultural and recreational facilities of Florida’s “Sunshine City.”

Resident faculty members and Student Affairs staff provide personal, social, vocational and academic counseling. The core of resident faculty is supplemented by professors commuting from the Tampa campus to provide additional scope to the academic program.

The academic programs at the St. Petersburg campus are restricted to courses designed to serve students of junior, senior and graduate standing and are offered at times chosen to meet the special needs of these students, including evenings (when 40% of the students attend) and Saturday. Selected courses and programs are offered by the Colleges of Education, Engineering, Natural Sciences, Social & Behavioral Sciences, Language & Literature, and Business Administration. Students may enroll as full-time students on the St. Petersburg campus or they may elect to enroll on both the St. Petersburg and the Tampa campuses simultaneously. Dual enrollments on both campuses may provide students with a class schedule which is both academically flexible and convenient.

In addition to providing academic programs from six of the University’s colleges, the St. Petersburg campus houses a marine science research and training center. The USF Marine Science Department, with headquarters at the St. Petersburg campus, is an interdisciplinary venture involving faculty members from several departments in addition to nine full-time faculty members at the St. Petersburg campus who are concerned with planning, administration, research and teaching.

Probably no other oceanographic program has ever been established with such excellent facilities as those provided by the St. Petersburg campus for teaching, research, and the docking and maintenance of oceanographic vessels. The location of the campus at the center of the edge of the great continental shelf of the Florida Gulf Coast and in the midst of the metropolitan area of the Sun Coast, is another of its unique advantages. It would seem destined to develop into one of the nation’s leading oceanographic centers.

While offering many of the characteristics of a small college, the University of South Florida at St. Petersburg has access to the resources of a major university. Its development is expected to keep pace with the continuing expansion of the Tampa Bay Area.

Students interested in attending the St. Petersburg campus are invited to visit the campus facilities and discuss their interests with the faculty and staff. They may contact the Admissions office by calling 813: 898-7411.

Continuing Education

In addition to the academic programs offered on the Tampa and St. Petersburg campuses, a number of courses and programs are operated by the University’s Center for Continuing Education in 12 west central Florida counties.

The Center for Continuing Education maintains a branch office at 1015 S. Tamiami Trail in Sarasota, and operates a century-old mansion—Chinsegut Hill near Brooksville—as an educational retreat for seminars and meetings.

Persons interested in the Continuing Education offerings should contact the director of the program on the Tampa campus by calling 813: 974-2403.

Special Programs

A number of special programs offer USF students flexibility and relevance. They include the Off-Campus Term Program, Bachelor of Independent Studies (Adult Degree Program), and Cooperative Education Program. In addition, freshmen students may earn up to one full year of academic credit (45 hours) through the College Level Examination Program tests, high school students may apply for “early admission” or take college courses while still in high school, and any interested person may earn college credit via WUSF-TV’s televised course sequence—“Your Open University” (YOU). Each of these programs is described elsewhere in the Bulletin.

Organization

For administrative purposes, the University is organized into the three broad areas of academic affairs, student affairs, and administrative affairs. The vice presidents who head these three units serve with the President as the principal policymaking officials of the University. In addition to the vice presidents, advice and assistance to the President in the determination of policy is given by a number of advisory bodies, including University committees and organizations representing the faculty, staff and student segments of the University community.

The President is responsible through the Chancellor to the Florida Board of Regents for internal policy and the procedures of the University.

Physical Plant

The physical plant of the University, now including more than 40 major buildings, is currently valued at more than $65 million. (See map inside cover.) The buildings are of similar, modern architectural design, and all are...
completely air conditioned. Major buildings now in use include:

**John & Grace Allen Administration Building:** USF’s first building, housing administrative and business offices and a number of special service units of the University;

**Argos and Andros residence halls and activities centers:** two separate living areas housing 2,800 students and providing central dining, recreational and service facilities in 14 separate but coordinated buildings;

**Astronomy Observatory:** located on the north campus adjacent to the University golf course, it houses a $1,000,000 phototelescope and several smaller telescopes;

**Business Administration Building:** an imposing structure housing the dean and faculty of the College of Business Administration, classrooms, and a 430-seat teaching auditorium;

**Chemistry Building:** a classroom and laboratory facility with offices for faculty;

**Education Building:** a three-story building housing the dean and faculty of the College of Education, classrooms, an auditorium seating 200, and an Instructional Materials Center;

**Engineering Building:** housing the dean and faculty of the College of Engineering, classrooms, laboratories, and a 250-seat auditorium;

**Faculty Office Building:** primarily a faculty office building, with facilities for faculty and student conferences.

**Fine Arts-Humanities Building:** a rambling structure with separate wings for humanities, art and music;

**Language-Literature Building:** the newest facility on campus (completed in September, 1971), it houses the College of Language & Literature and the Division of Sponsored Research (discussed elsewhere) and includes 45 classrooms, seminar rooms, faculty offices, and a 500-seat auditorium.

**Library:** a five-story structure housing more than a third of a million volumes in open stacks (its services are discussed elsewhere);

**Life Sciences Building:** housing the University’s programs in biological sciences;

**Physical Education Building:** a facility housing the director and faculty of the Division of Physical Education, classrooms, gymnasium, activities area, and an indoor swimming pool;

**Physics Building:** housing physics, astronomy, and mathematics;

**Planetarium:** adjacent to the Physics Building, it is one of the few college facilities of its type in the South, and regular programs are presented under its 30-foot dome;

**Science Center:** completed in 1968, it houses laboratories and research facilities for graduate students and faculty, the USF Computer Research Center (discussed elsewhere) and temporary quarters for the College of Medicine;

**Social Science Building:** completed in 1968, it can accommodate 1,000 students in classes and laboratory work at the same time. The building includes 120 faculty offices, classrooms, seminar rooms, clinical and experimental research labs, weather and climatology labs, and a complete weather station;

**Theatre:** the largest auditorium on campus, seating 550 persons for cultural events and also serving as a lecture and teaching auditorium;

**Theatre Center:** a facility with rehearsal rooms for dance, drama and opera, costume and prop shops, offices, and a Centre Stage for production preparation;

**University Center:** the hub of student activities, with student and faculty offices, meeting rooms, recreation areas and classrooms, as well as a cafeteria and the University Bookstore.

Construction has begun on Phase I of the new USF Medical Center, a new library complex, and other needed facilities which will increase the value of the University’s physical plant by two-thirds in the next few years.

### Historic Goals of the University

As a university, USF is an institution of higher learning consisting of schools or colleges and offering programs in the liberal arts as well as in a number of professional areas. However, it is more than this; it is a place where new knowledge is sought, and old knowledge is synthesized in new ways through research and scholarship for the benefit of mankind.

As such, the university should not be confused with a technical or vocational school where the detailed techniques of a trade can be learned by practice. The university — even the modern urban university — deals with professional areas more in theory than in practice, providing the broad background and understanding necessary to the development and refinement of specific skills. In this way it develops the intellectual judgments necessary to deal with the constantly changing problems of a given profession.

A university, moreover, is not simply a place to prepare for a profession, important as that goal may be. One of its most important functions is providing all its students with a better understanding of life in a rapidly changing world. Hence, a university has an important obligation in its educational program to provide for all students those common elements which make for more responsible and responsive living.

A university is also a servant of the society which supports it, and at the same time it is one of the leaders of that society. It is the medium through which wisdom of the past and the living spirit of the present are passed on to new generations of people to be used by them in the further advancement of society toward goals of more enriching and fulfilling living.

The University of South Florida has historically been committed to the goal of placing “Accent on Learning” which is considered its most important reason for being. Toward that end, the University has these specific objectives:

- To provide the citizens of Florida with an outstanding public institution of higher learning, giving leadership and service in the intellectual, cultural, economic and scientific interests of the state.

- To create a community of scholars dedicated to teamwork in the search for truth, the exchange of ideas and the establishment of high standards of intellectual inquiry and creative activity.
- To provide opportunity for the development and training of the mind which promotes maturity, objectivity and creativity.
- To provide a broad cultural and basic educational pattern for all students, together with programs of liberal, pre-professional and professional studies, and to supplement these with opportunities for independent development and work experience.

Degree programs of the University are designed to promote the following general aims for all students: (1) appropriate skills in speaking, writing, reading and listening; (2) self-reliance through the ability to think clearly; (3) understanding oneself and one’s relationship to others; (4) growing convictions based on the search for truth; (5) understanding and appreciation of our cultural, social, scientific and spiritual heritage; (6) an intelligent approach to local, national and world problems leading to good citizenship and leadership in life; (7) some practical understanding of another language; (8) professional competence based on high ethical standards; and (9) healthful development of the body.

A Look at the Future

The University of South Florida's location in the dynamic and expanding Tampa Bay metropolitan area, coupled with the broad growth and development of Florida in the space age, suggests a future of rapid change and expansion for the University. In every respect, the University of South Florida is a vital part of the state’s inevitable growth, and is continuing on its course toward becoming a distinguished university, dedicated to serving the people of Florida by providing all USF students enriching educational experiences.
ADMISSIONS AND RELATED PROCEDURES

The University of South Florida requires definite ability and competence on the part of students. Those having these abilities and skills and who are seriously interested in earning an education can expect to succeed in college.

The Director of Admissions will admit students who meet the formal requirements of the University for admission and can be expected to do successful academic work. He will suggest other possibilities to those who do not.

The University may refuse admission to a student whose record shows previous misconduct not in the best interest of citizens of the University community.

In accepting students for admission, the University does not discriminate on the basis of race, sex, color, creed, religion, age, or national origin.

How to Apply for Admission

The Florida State University System is now utilizing a common application for admission to any one of the nine senior state universities. Students attending Florida State High Schools or Junior/Community Colleges should be able to obtain the necessary application at their school counselling office. If applications are not available at your school, you should request an application from the Office of Admissions, University of South Florida, Tampa, Florida 33620. Please indicate whether you will be entering as a first time in college Freshman, a Transfer Student (have had previous college work) or a Graduate Student. Applications for admission to the College of Medicine should be obtained directly from the Office of Student Affairs, College of Medicine, University of South Florida, Tampa, Florida 33620.

Applications are accepted as early as 12 months prior to anticipated enrollment. Applicants are advised to request their application and to submit the completed application as soon as possible. Please note that the application and all credentials must be received by the Admissions Office prior to the deadline as specified in this catalog. Applications for which all credentials are not received by the deadline will not be considered for that term. Each applicant is responsible for requesting necessary credentials to be sent to this University. All academic records must be mailed to the Office of Admissions, University of South Florida, directly from the appropriate institution (i.e., high school record from high school attended; college record from each college attended; G.E.D. test scores and high school equivalency diploma from appropriate high school or State Department of Education; U.S.A.F.I. scores from Madison, Wisconsin; S.A.T. scores from high school or Education Testing Service, Princeton, N.J.). Application from a student who has never enrolled here previously must be accompanied by a $15.00 nonrefundable application fee. Please note: All applicants must enter their Social Security number on the application. All application forms will be returned to the applicant if they do not include Social Security number and the $15.00 nonrefundable application fee.

Students who are accepted and do not enroll in the term for which admitted must notify the University in writing by the deadline for the next following term if they wish their application changed to a future date of entry. If a request for change of entry date is not received, a new application must be submitted and the application fee paid again.

Requirements for Admission

Freshman—Graduate of Florida Secondary School

1. Overall "C" average in high school work.
2. Minimum score of 300 on the Florida Twelfth Grade Test.
3. Appropriate recommendation from the secondary school.

Foreign Students

1. For all foreign students, undergraduate and graduate, the following items are required:
   a. Completed application.
   b. A $15 nonrefundable fee must be included with the application.
   c. A certificate of financial ability.
   d. Two personal letters of recommendation.
   e. Satisfactory scores on the Test of English as a Foreign Language. The student should request that Educational Testing Service send their scores directly to the Office of Admissions.

Foreign applicants must request all schools attended to submit directly to the Office of Admissions at the University of South Florida, transcripts of all work attempted, certified and translated in English. For undergraduates the high school record must be included, certifying graduation and date and indicating an average of "C" or better. Graduate applicants must comply, in addition to the above, with requirements listed in the Graduate section.
2. All foreign applicants must furnish proof that a minimum of $3220 in U. S. currency is available for three quarters of study plus living and/or study expenses for the fourth quarter. This estimate includes tuition, fees, books, room and board, and other expenses.

3. All foreign applicants should make application well in advance of the desired entering date. Applicants from a country other than the United States will find at least six months may be necessary to meet the deadline. The application must be complete and all required materials received in the Admissions office six weeks prior to registration. The University of South Florida is on the quarter system. The following are deadlines for completion of the application file for each quarter:

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Freshman—Graduate of Out-of-State Secondary School

1. At least a "C" average in high school work with class ranking in the upper 40 percentile of the class.

2. Minimum total score of 900 on the Scholastic Aptitude Test (SAT) with at least 450 on the Verbal portion or minimum score of 21 on the American College Testing program (ACT).

Undergraduate Transfer

1. Overall average of "C" on all work attempted.

2. Eligible to re-enter institution last attended.

3. For those students who have attempted less than 54 quarter or 36 semester hours of work, satisfactory secondary school record and college admission test scores are required and the applicant is responsible for requesting that all the necessary credentials be mailed to this University. If a student has attempted more than 54 quarter or 36 semester hours of college work, the University requires only official transcripts of the student's prior college work; evaluation and decision will be made on the basis of that student's performance at the college level. Transfer students should also refer to the section on community college relations, page 15.

Evaluation of Transferred Credits:

1. Course evaluations are prepared by the College in which the student is majoring after the student's first enrollment; therefore, one should be prepared with a personal unofficial copy of his/her transcript of all past course work to discuss advisement and placement with the appropriate academic adviser.

2. A transfer student from a Florida public junior/community college may satisfy the General Distribution requirements of the University of South Florida by completing (before transfer) the general education program prescribed by that institution. Transcripts must certify graduation and the general education requirements as completed.

3. A maximum of 90 quarter hours of junior college work will transfer unless a student had completed more than 90 transferrable quarter hours at a four-year institution prior to transferring to the junior college. In this case, the number of quarter hours earned at the senior institution is the maximum which may be counted at USF.

4. Credit will not be awarded for G.E.D. tests, for basic R.O.T.C., or military science.

5. Service school courses will be evaluated with reference to the recommendations of the American Council on Education when official credentials have been presented. Such recommendation, however, is not binding upon the University. No more than 22 quarter hours can be earned by military service credit.

6. A maximum of 45 quarter hours of extension, correspondence, military service and College Level Examination Program credits can be applied toward a degree.

Transient

A transient student is one who is permitted to enroll at the University of South Florida for one term only before returning to his/her parent institution. The University requires a completed application, the $15.00 nonrefundable application fee, and a statement from the parent institution, indicating that applicant is in good standing and their approval of the course work to be taken here.

Special Student—Non-degree

To serve the academic needs of the Tampa Bay Area, the University has established the Special Student classification. Former USF students are eligible only if they have completed and earned a degree in the degree program for which they were previously enrolled. Former Non-degree seeking students are eligible only if they wish to remain in the Non-degree status.

Special Students do not make application to the University. Admissions and registration is by means of a Special Student Enrollment Form available from the Office of Records and Registration.

Special Students enroll during the Drop/Add period (see Academic Calendar for dates). Course prerequisites must be met and enrollment is on a space available basis. No more than 12 hours of credit earned on this status may be applied toward a graduate degree and no more than 20 hours of credit may be applied toward an undergraduate degree.

Enrollment as a Special Student does not constitute continuing admission to the University. The Special Student Enrollment Form must be completed for each term of enrollment.

Graduate Students

Graduate Students should refer to the section on "Division of Graduate Studies," page 40.

Readmission (Former Students Returning)

1. Any student who has not been in attendance at the
University of South Florida during either of the two quarters immediately preceding the quarter that readmission is desired is classified as a Former Student Returning.* Such students should secure a "Former Student Returning Application" from the Office of Records and Registration. Early submission of the application is requested. In addition to the Former Student Returning Application, any degree seeking graduate student who has not been in attendance at the University of South Florida for eight consecutive quarters must be approved for readmission by his/her department. If a student has attended another institution, official transcripts must be forwarded to the Office of Records and Registration to be evaluated by the student's department.

*(a) Former undergraduate students who have completed their baccalaureate degree, Transient students, and Special students who wish to enter graduate study for the first time as degree seekers must file “Graduate Applications” prior to the deadline listed in this catalog. (b) An application fee is required for all students who have enrolled only for Continuing Education (off-campus) courses and for those who enrolled as Special students. (c) All former students of USF who have completed their baccalaureate degree and wish to return to the University to complete another undergraduate major must file an "Undergraduate Application" with the Office of Admissions; no fee is required.

2. Former Students Returning should consult the University Class Schedule for registration instructions.

3. To be eligible for readmission, the following requirements must be met:
   a. Be in good standing and eligible to return to the University of South Florida.
   b. If attended another institution since last attending USF:
      (1) Be in good standing and eligible to return to the last institution attended as a degree-seeking student.
      (2) Have achieved a grade point average of at least 2.0 on a 4.0 system on all college level academic courses attempted at institution(s) previously attended and also at the last institution attended.

4. Students who have attended another institution(s) in the interim should request a copy of their final transcript(s) to be sent to the Office of Records and Registration, attention: Evaluation Clerk.

**Evening Courses**

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

**Student Advisement**

Any student entering the University with fewer than 90 quarter hours is considered a student of the Division of Student Advisement. Upper level transfer students with less than 135 quarter hours Any student entering the University is responsible for general academic advising and for helping undecided students move toward a decision about a major and enter a college any time after their first academic advisement by picking up their advising file from an adviser in the Division of Student Advisement. This unit is responsible for general academic advising and for helping undecided students move toward a decision about an academic major. New lower level students may declare a major and enter a college any time after their first academic advisement by picking up their advising file from an adviser in the Division of University Studies and taking it to a coordinator of advising in any one of the nine colleges. Undecided upper level students, upon making a decision, would follow the same procedure. The coordinator then assigns the student to an appropriate college or departmental adviser.

Students who transfer to the University with 90 quarter hours or more and who have decided upon a major enter a college directly by filing an application for admission to the college in the office of the appropriate coordinator of advising. In most cases, this application is a routine information sheet which assists the college in collecting and maintaining the necessary records to assure the student's proper progress toward his educational goals. An adviser assignment will be made upon completion of this application.

In a few cases, only a limited number of students can be admitted to a particular major. Students planning to enter such programs should be aware of this situation and should be prepared with an alternate plan of action. Even though some colleges may not require students to see an adviser, it is strongly recommended that all students establish an advising relationship with a college or the Division of University Studies and periodically visit their advisers to keep abreast of any policy, procedural, or curriculum changes which may affect them.

To assure quality academic advising throughout the University, a Council on Academic Advising has been established. The Council is made up of the Coordinator of Advising from each of the nine colleges, along with representatives from the Registrar's Office, the Office of Student Affairs, and the Office of Community College Relations and is chaired by the Associate Director for Advising in the Division of University Studies. It is the responsibility of this Council to insure the availability of accurate information about the University to all prospective, new, and continuing students.

**Student Registration**

Registration will be completed in person by appointment during the regular scheduled registration period. Each quarter, this registration period will conform to the established University calendar published quarterly in the University Class Schedule.

Changes of class registration will be accepted only
during the time and day(s) announced in the University Class Schedule.

Any regular University student wishing to simultaneously enroll in evening classes shall register and pay fees in the manner prescribed for regular students attending campus daytime classes.

Payment of Fees. Registration fees are due, by mail or in person, by the close of business on the last day of registration prior to the first day of class in any quarter. Any fees paid after that date must be accompanied by an additional twenty-five dollar ($25.00) penalty payment.

Late Payment of fees, including the penalty payment, will only be accepted during the first five (5) regular class days of any quarter. Fee payments may be made in advance of final complete registration. A student is eligible for a full or partial refund of fees upon withdrawal from the University only within the first five (5) regular class days in any quarter. No late payment of fees, with or without penalty payment, will be accepted, and no refund of fees will be made to any student after the close of business on the fifth regular class day in a quarter.

Registration will be cancelled for any student who has not paid his fees in full by the close of business on the fifth regular class day in a quarter.

Office of Testing and Advanced Placement

This office in the Division of University Studies serves three principal functions which are described as follows:

1. Admissions and Academic 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, GRE, Medical College and Law School Admission tests.

2. Test Development and Scoring Services: Analysis and advisory services are provided to aid in construction and validation of tests used in classes and other instruments such as surveys and questionnaires. Test scoring and analysis by machine (IBM 1230) are available to faculty and authorized personnel.

3. Credit-by-Examination (see page 31): The College-Level Examination Program (CLEP) is administered through this office as are other examination programs designed to provide alternative means for students to achieve credit.

The Committee on Testing and Advanced Placement recommends standards and procedures for conduct of the credit-by-examination program.

Office of High School Relations

The High School Relations Office of the Division of University Studies is primarily concerned with the student’s transition from senior high school to the freshman year at the University. The office assists high school counselors and University-bound students with information about the University and its various programs.

In conjunction with the Admissions Office and a number of other University units the office administers the University’s Early Admissions, Dual Enrollment and Special Summer Programs for high school students.

Early Admission to the University of South Florida is open to qualified high school students who wish to enter the University before their senior year in high school. Such students must be recommended for early admission by their high school guidance counselor or principal. In addition to this recommendation, the applicant should submit a letter stating the reasons for seeking early admission to USF and future academic plans. The applicant’s cumulative grade point average in academic subjects, letters of recommendation, Florida Twelfth Grade test scores (administered at USF) and personal letters are considered by the Early Admissions Committee.

Dual Enrollment in USF classes is open to currently enrolled, academically superior high school students who are recommended by their high schools. Dual enrollees register as special students and are admitted to USF classes on a space available basis during the first week of each quarter. High school students seeking special student status are pre-advised by the Division’s Office of Advising. College credits obtained under the Special Student category will be counted towards graduation when the student is regularly enrolled after high school graduation.

Special Summer Session classes are open to University-bound high school juniors who have been recommended by their high schools. Students are admitted as special students and earn college credits which will be counted toward graduation when the student is regularly enrolled after high school graduation.

Office of Community College Relations

Community College Relations works very closely with Florida Community/Junior College students and staff, as well as with many USF offices such as Admissions, Student Affairs, Records and Registration, and the various colleges and departments.

Community/Junior college students planning to transfer to the University of South Florida should look to the Office of Community College Relations (both before and after transfer) for special assistance. The primary concern of the Office of Community College Relations is to assist community/junior college transfer students, and staff members of those colleges, in better understanding the University of South Florida, its philosophy, its programs, and its procedural operations. This office, conversely, has a responsibility for the interpretation of the community/junior colleges to the University. The
ultimate goal of the Office of Community College Relations is to assure that the University does everything possible in assisting the transfer student to phase into the University "on par" with his counterpart who has been enrolled earlier at the University. One significant contribution toward this goal was the recent delivery of the up-dated Community College Counseling Manuals to every Florida community college.

The Office of Community College Relations serves a coordinating function within the University by working with all areas concerned in minimizing problems of transfer students coming to the University of South Florida.

Since the Statewide Articulation Agreement was first endorsed, the University of South Florida has subscribed fully to all of the provisions of this agreement. It is strongly recommended that students transferring from community

Continuing Education

The University of South Florida offers both credit and noncredit educational programs to serve the in-service and continuing education needs of a geographical area which encompasses Charlotte, DeSoto, Hardee, Hernando, Highlands, Hillsborough, Lee, Manatee, Pasco, Pinellas, Polk, and Sarasota Counties.

Both degree and non-degree seekers may participate in the University’s Continuing Education credit program. Students desiring to obtain a degree must, however, apply for admission to the University as a degree seeking student (see Requirements for Admission) at an early date so that courses taken may be considered for inclusion in a program of studies (see appropriate college programs).

To assure quality of instruction, the Continuing Education credit courses, for the most part, are taught by the regular faculty of the University. When this is not possible, outstanding instructional personnel are recruited from neighboring accredited institutions. In addition, the University System Extension Library makes available for each Continuing Education course the latest in reference materials.

The academic calendar for courses scheduled off-campus is essentially the same as for the University’s on-campus credit program. Classes are generally scheduled once a week.

Although some Continuing Education credit courses are generated by the University itself, most originate through requests which are initiated by individuals or interested groups. Requests for Continuing Education courses in the field of Education should be submitted to County Extension Coordinators designated by the county superintendents of schools. Requests for Continuing Education courses in all other areas should be transmitted by individuals, groups, companies, agencies, etc., directly to the Center for Continuing Education, University of South Florida.

Registration in Continuing Education Courses

Registration in a Continuing Education off-campus credit course is by mail only. Registration forms may be obtained at a Continuing Education office, from the local County Extension Coordinator in county school board offices, or from the course instructor at the first class session.

1. The Continuing Education Registration Form and payment of fees must be postmarked no later than the deadline announced in the University Class Schedule.

2. Registration forms for students whose fees are to be paid by school boards or state or federal grants must be forwarded in accordance with registration deadlines. Payment of fees or appropriate purchase orders must be enclosed with registration forms.

3. On-campus students registering for a Continuing Education course must use the above procedure. Fees for Continuing Education courses are computed separately, and are not covered by payment of part- or full-time on-campus fees. A full-time on-campus student registering in a Continuing Education credit course which has been certified as part of the student’s planned program may register at no additional fee.

4. It is the responsibility of the individual student to ascertain that he has met the course prerequisites as published in this Bulletin (see appropriate academic regulations and Course Descriptions).
Financial information pertaining to registration fees and other charges, services, and benefits are consolidated in this section for easy reference. All fees are subject to change without prior notice.

**Florida Residency**

For the purpose of assessing registration fees, students will be classified as Florida or non-Florida residents. A Florida student is a person who shall have resided and had his domicile in the State of Florida for at least twelve (12) months immediately preceding the first day of registration of the current term. In applying this policy, “student” shall mean a person admitted to the institution if he is married or twenty-one years of age, or if he is a minor, it shall mean parents, parent, or legal guardian of his or her person. The word “domicile” for fee paying purposes shall denote a person’s true, fixed, and permanent home and place of habitation. It is the true place where he intends to remain, and to which he expects to return when he leaves without intending to establish a new domicile elsewhere.

In all applications for admission by students as citizens of Florida, the applicant, if married or twenty-one years of age, or if a minor, his parents or legal guardian shall make and file with such application a written statement under oath that such applicant is a bona fide citizen, resident domiciliary of the State of Florida and entitled as such to admission upon the terms and conditions prescribed for citizens, residents, and domiciliaries of the State.

In the determining of a Florida resident for purposes of assessing fees, the burden of proof is on the applicant. Under the law, an applicant can change his place of residence from another state to the State of Florida only by actually and physically coming into the State and establishing his residence with the intention of permanently residing within the state. The spouse of any person who is classified or is eligible for classification as an in-state student is likewise entitled to classification as an in-state student. A non-Florida student may apply in writing for reclassification prior to any subsequent registration under the provisions set forth below. To qualify for reclassification as a Florida student, a person (or if a minor, his parent) shall have resided in Florida for twelve (12) months and shall have filed a declaration of intent to become a resident of the State. An alien shall have resided in Florida for twelve (12) months and must present United States Immigration and Naturalization certification that he is a resident alien. If the application is supported by evidence satisfactory to the University that the student then qualifies as a Florida student, his classification will be changed for future registrations.

The following categories shall be treated as Florida residents for tuition purposes:

1. Military personnel of the United States of America on active duty and stationed in Florida, including dependent members of their immediate families.
2. Veterans of the United States of America retired with twenty (20) years or more of active military service, including dependent members of their immediate families, who are in Florida at the time of retirement or move to Florida within one year following retirement and intend to make Florida their permanent home.
3. Full-time elementary, secondary, and community/junior college faculty members under current teaching contracts in the State of Florida including their spouses.
4. Full-time faculty and career employees of the University System of Florida and members of their immediate families. (This is construed to exclude the spouses of students.)

Any student granted status as a Florida student which status is based on a sworn statement which is false shall, upon a determination of such falsity, be subject to such disciplinary sanctions as may be imposed by the president of the university, which sanctions may include permanent expulsion from the State University System or any lesser penalty.

Applicants who do not qualify as Florida students under these provisions will pay the non-Florida tuition and other charges required of non-Florida students.

**Fees**

The following fee schedule applies to all University of South Florida students with the exception of those in the Bachelor of Independent Studies, Adult Degree Program. For information on the Adult Degree Program fees, see page 35.

All fees are subject to change by action of the State Legislature, without prior notice. The University will make every effort to advertise any such changes if they occur.

1. Initial Application Fee (Each application—not refundable) $15.00
2. Matriculation and Tuition Fees must be paid in full at the time of registration. The student is responsible for making the appropriate fee payment for each academic quarter.
A. On-Campus Courses
(1) Full-time (Students registering for 9 or more quarter hours of credit, non-credit or audit courses)

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Florida Non-Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$190.00</td>
<td>$540.00</td>
<td>$590.00</td>
</tr>
<tr>
<td>Graduate</td>
<td>$240.00</td>
<td>$600.00</td>
<td>$630.00</td>
</tr>
</tbody>
</table>

(2) Part-time (Students registering for less than 9 quarter hours of credit, non-credit or audit courses)

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Florida Non-Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$16.00/hr.</td>
<td>$43.00/hr.</td>
<td>$47.00/hr.</td>
</tr>
<tr>
<td>Graduate</td>
<td>$20.00/hr.</td>
<td>$50.00/hr.</td>
<td>$54.00/hr.</td>
</tr>
</tbody>
</table>

NOTE: These rates apply to classified (degree seeking) students. Unclassified (non-degree seeking) student fees are based upon the course level. Consult the current "Schedule of Classes" for detailed information.

B. Off-Campus Courses
Fees for off-campus (Continuing Education) courses are assessed at an hourly rate regardless of the number of Continuing Education hours enrolled. A Continuing Education student is considered a full-time student with or without on-campus enrollment. A combination of off-campus and on-campus courses will not be used to determine full-time status. Continuing Education courses are designated by the "CE" or "700 series" section number.

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Florida Non-Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$19.00/ hr.</td>
<td>$46.00/hr.</td>
<td>$50.00/hr.</td>
</tr>
<tr>
<td>Graduate</td>
<td>$23.00/ hr.</td>
<td>$60.00/hr.</td>
<td>$64.00/hr.</td>
</tr>
</tbody>
</table>

NOTE: Degree holders must pay graduate fees.

3. College of Medicine Registration Fees
A Florida student enrolled in M.D. program in the College of Medicine will pay a fee of $1,050 per year in installments of $350.00 each to be paid in September, January, and March. A non-Florida student enrolled in the M.D. program in the College of Medicine shall pay a fee of $2,250 a year in installments of $750.00 each to be paid in September, January, and March.

4. Late Registration Fee
(Chargeable to any student who fails to register and/or pay within the formal registration period. This fee is also charged when the check is submitted within the time limit but is returned by the bank for any reason.)

- $25.00

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

A. Saga Food Service

<table>
<thead>
<tr>
<th></th>
<th>Per Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 meal plan—Mon. through Sun.</td>
<td>$202.11</td>
</tr>
<tr>
<td>15 meal plan—Monday through Friday</td>
<td>183.80</td>
</tr>
<tr>
<td>12 meal plan—Mon. through Sun.</td>
<td>186.06</td>
</tr>
<tr>
<td>10 meal plan—Monday through Friday</td>
<td>173.40</td>
</tr>
</tbody>
</table>

B. Eastern Food Service


* See "Residency Status"
** Prices listed are for the academic year 1972-73 and are subject to change for the academic year 1973-74.

Refund of Fees
Registration fees will be refunded under certain conditions upon presentation at the Division of Finance and Accounting of an authorization issued by the Office of the Registrar.

1. Issuance
The issuance of a registration refund will be delayed for a two-week period immediately following each official University registration.

2. Withdrawals
a. A full refund of registration fees will be made if a student withdraws from the University on or before the final day of the "Drop-Add Period."

b. No refund of registration fees will be made if a student withdraws after the final day of the "Drop-Add" period except in the following cases:
   (1) If a student is involuntarily called back to duty with the armed forces.
   (2) Death of a student during the term for which enrolled.
   (3) Incapacitating illness of such duration and severity as to preclude successful completion of the academic program for the term for which a student is enrolled.

In the instances stated above, the refund will be:
Full Time Student:
Registration fees paid less $43.00
Part-time Student:
Registration fees paid less $2.08 per hour for an undergraduate student and $2.60 per hour for a graduate student.

3. Cancellations
A student who at any time has his registration cancelled by the University because he was allowed to register in error is entitled to a full refund of his registration fees.

4. Reduction of Class Load
A student must officially drop a course within the Drop/Add period in order to be eligible for a refund. A “Registration Refund Request” form must be completed and presented to the Division of Finance and Accounting before any refunds will be initiated. The refund will be the amount paid less proper charges per hour for each hour continued.

5. Student Activity Fee
No part of the student activity fee will be refunded if the student fails to surrender his original (current quarter) “Certification of Fee Payment” card.

6. Late Fees
Late registration fees are not refundable.

7. Refund Monies Used to Clear University Debts
Deductions from authorized refunds will be made for unpaid accounts due the University.

### Financial Aids

The University of South Florida has an established comprehensive Financial Aid Program that assists qualified U.S. students with their educational expenses. Financial assistance is granted on the basis of financial need, academic promise, and character. Generally speaking, academic merit determines whether aid is given, and the financial need determines the amount.

Financial assistance includes scholarships and/or grants, long-term loans, and on-campus employment. Students with a 3.0 or above grade point average may apply for scholarships as well as other types of assistance, while students with a grade point average below 3.0 will be considered for assistance other than scholarships.

Short-term, or emergency loans, are also available to help students in the event of a temporary unexpected short-term requirement for educational purposes.

In order to be considered for financial aid, the student must complete a USF financial aid application, and file either a Parents’ Confidential Statement or a Student’s Financial Statement with the College Scholarship Service. These forms are available at the Office of Financial Aids.

The deadline for applying for scholarships is February 1 for the academic year beginning the following September, and the deadline for applying for other types of assistance is March 1. In awarding financial assistance, no student is discriminated against because of race, religion, creed, age, sex, color, national origin, or marital status.

### Vehicle Regulations and Fees

**Automobiles**

Students may use automobiles on campus. Parking facilities are provided for resident and commuter students. All automobiles used on campus must be registered with the University Police. A booklet entitled “Traffic and Parking Regulations” is made available to the student at the time of registration. Decals for three- and four-wheeled motor vehicles:

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. If registered prior to or during Quarter I</td>
<td>$10.00</td>
</tr>
<tr>
<td>2. If registered at the beginning or during Quarter II</td>
<td>8.00</td>
</tr>
<tr>
<td>3. If registered at the beginning or during Quarter III</td>
<td>6.00</td>
</tr>
<tr>
<td>4. If registered at the beginning or during Quarter IV</td>
<td>4.00</td>
</tr>
<tr>
<td>5. Vehicle registration for any one quarter or fraction thereof (OPS employees, temporary employees, faculty and students)</td>
<td>4.00</td>
</tr>
</tbody>
</table>

**Two-Wheeled Vehicles**

Students may use two-wheeled vehicles on campus. Parking blocks, racks, and designated areas in parking lots are available to park two-wheeled vehicles. All two-wheeled vehicles used on campus must be registered with the University Police. Decal fee for two-wheeled vehicles is $2.00.

### Special Services

**Veterans Administration Benefits**

The University of South Florida is approved by the Veterans Administration for the education and training of veterans, servicemen, and dependents of totally and permanently disabled or deceased veterans (from service-connected disability). Recent legislation has extended benefits to dependents of prisoners of war or servicemen missing in action for more than 90 days. Eligible veterans, widows, and children of veterans may receive additional disability or death compensation or pension for the school attendance of unmarried children of a veteran who are over 18 and under 23 years of age. Inquiries relating to eligibility and counseling should be directed to the Veterans Administration Regional Office, Post Office Box 1437, St. Petersburg, Florida 33731.

Recent changes in VA procedures have been allowed to expedite Education payments. Students anticipating receiving VA benefits at this University for the first time should contact the Office of Records and Registration or the VA Regional Office concerning the form(s) required to initiate benefits. Students enrolled in a non-degree seeking status should also contact this office to confirm requirements for being certified for benefits.
All standard degree programs currently offered at USF are approved by the VA, including the BIS Program, administered by the Center for Continuing Education. Non-credit courses offered through the Center are approved each time offered on a selected basis.

Hours required for full-time benefits vary for undergraduate students each quarter, based on 12 hours for a 12-week term. Degree-seeking graduate students must enroll for 9 hours each quarter, except Summer Quarter, to receive full-time benefits. Co-op students receiving benefits for “On Job” terms must maintain full-time status during “In Class” terms to avoid termination of benefits. Information concerning hours required and certification procedures is published in the USF Schedule of Classes each quarter. The University and student are responsible to notify the VA of any change in status which affects the student’s rate of pay.

Tutorial Assistance, up to $50 monthly for a maximum of nine months, is available for veterans and servicemen who qualify. This service is provided through the Counseling Center for Human Development.

**Selective Service System Student Reports**

Undergraduate students who were enrolled full-time in the 1970-71 academic year will remain eligible for student deferments if they continue to enroll full-time (12 hours) and make satisfactory progress in their programs of study. Students should complete a minimum of 45 hours per year to remain in phase. Those students beginning their freshman year of study in June, 1971, or after, will not be considered for student deferments.

Student reports are submitted to the local draft boards only for students requesting them by submitting the USF Selective Service Information Request Card to the Office of Records and Registration. This card should be submitted by eligible new students and former students returning within ten days from the first day of classes. Reports are sent when a student first enrolls, at the beginning of each academic year, if he fails to enroll for two quarters, and when he graduates. A listing of all students requesting reports is available at each registration and in the Office of Records and Registration.

Engineering majors requiring 201 hours to graduate and Cooperative Education students are allowed additional time to graduate and should contact their local boards for specific requirements.

Although the draft has ended, the University will continue to send reports to the local draft boards until notified otherwise. Reports will be sent for new transfer students only if deferred previously.

**Social Security Benefits**

The Social Security Administration requires the University to verify full-time enrollment for students between the ages of 18 and 22 receiving educational benefits under the Social Security Benefits Act. Students who expect to receive benefits at this University should contact their local Social Security office, requesting that form SSA 1372A be forwarded to the Office of Records and Registration. Full-time enrollment will be certified on this form.

To be considered full-time, a student must enroll and remain enrolled for a minimum of 12 hours as an undergraduate and 9 hours as a graduate. The student and school are responsible for notifying the Social Security office when he ceases to be enrolled full-time.

Further questions regarding Social Security benefits should be directed to student’s local Social Security office.

**Railroad Retirement Annuity Award**

The University maintains a file of students receiving Railroad Retirement Annuity Award benefits, notifying the Board when a student ceases to be enrolled full-time. A student ceases to be enrolled full-time when he is enrolled for less than 12 hours as an undergraduate and 9 hours as a graduate.

To initiate benefits, student should contact the Railroad Retirement Board.

**Check Cashing Service**

The University offers check cashing services under the following conditions:

1. The University will accept personal checks for accounts due the University. Each student is urged to make his own financial arrangements through his choice of commercial banks.
2. The University Cashier and the Bookstore will cash personal checks not exceeding $50.00.
3. A service charge of 10c is made for each check cashed.
4. Responsibility for the check rests with the final endorser.
5. The University will not cash three-party checks.
6. All checks returned by the bank must be cleared within five days from date of notification to the student. Failure to comply will result in cancellation of the student’s registration.

**Payments of Accounts Due the University**

Charges against students for loss or breakage of University equipment, books, fines and other charges will be required to be paid within thirty (30) days of notification. Delinquent accounts will be considered sufficient cause for cancellation of registration, as University regulations prohibit registration, or release of transcript for any student whose account with the University is delinquent.
**Textbook Center**

Textbooks are located in the Textbook Center adjacent to Central Receiving Building. Every attempt is made to have all required and recommended texts available the first day of registration.

**USF Bookstore and Campus Shop**

The USF Bookstore and Campus Shop, located in the University Center, serves the University community by providing numerous goods and services.

The Art and Engineering Department contains all course supplies for art, engineering, and science classes, as well as many hobby and general purpose items. Oil or water base paint, brushes, art paper, slide rules, graph paper, drafting supplies, dissecting kits, and lab notebooks are among the many items in this department.

The Supply Department stocks all basic school supplies and course required supplies necessary to fulfill course needs—notebooks, notebook paper, pens, pencils, etc.

**Bookstores**

The Lobby Shop area is devoted to LP record albums, tapes, and cassettes, as well as scented candles, incense, and many other novelty items. This section also stocks a large assortment of items which include candy, cigarettes, tobacco products, and health and beauty aids, and campus wear.

The Social Expression Department contains a complete selection of traditional and contemporary greeting cards and stationery.

The General Book Department is located in the basement of the Bookstore and stocks approximately 13,000 different titles, including the very latest in fiction, non-fiction, reference, study aids, and children’s books.

Many helpful services are provided by the Bookstore. Among these are film developing, special order service, check cashing ($50.00 limit), airline youth fare cards, fresh flower gift service, and magazine subscriptions at student rates.
STUDENT SERVICES AND STUDENT AFFAIRS

The University of South Florida is dedicated to the intellectual, social, and moral development of students in order to provide responsible leaders who can work effectively in a democratic society. The University has a concern for the total life of the student, both in and out of the classroom. Diversity of opinion, criticism, and dissent are essential in discharging these responsibilities, and this has been set forth and safeguarded in the Board of Regents' Operating Manual.

As a condition for admission to one of the State Universities of Florida, students agree to abide by the policies of the Board of Regents and by the rules and regulations of the institution. The University has the right and responsibility to determine who shall be admitted to the institution; the conduct or behavior acceptable to the institution; and under what conditions one may continue as a student. Administrative due process and the right of review in all disciplinary hearings are provided by the University.

University officials and particularly the Vice President for Student Affairs and his staff are charged with the responsibility of interpreting the policies of the Board of Regents to students and others in the university community, and with developing positive student personnel programs which further the intellectual, social, and moral development of students.

Office of Student Affairs

The Vice President for Student Affairs, and the staff members in that area of administration, provide leadership and professional services necessary to maintain a campus environment conducive to learning. First, they offer service enabling students to cope effectively with factors of personal and social living that affect academic work: financial aid, health service, individual and group counseling, career planning, placement, cooperative education, standards of conduct and performance, due process in disciplinary action, procedures for redressing grievances, and advice and assistance in time of trouble. Second, they provide programs enabling students to participate effectively in the corporate life of the University: orientation (FOCUS), equal opportunity programs, residence halls, student government, student publications, organizations, activities, and events expressing a variety of special interests.

Standards and Discipline

Just as the University tries to maintain high standards of academic performance, its members try to support high standards of individual conduct and human relations. Responsibility for one's own conduct and respect for the rights of others are essential conditions of academic and personal freedom in the University.

The University may deny admission or refuse continued enrollment to students whose actions are contrary to the purposes of the University, or impair the welfare and freedoms of other members of the University.

Standards of personal conduct are published in a handbook provided to students at the beginning of each term. Disciplinary procedures followed when a student fails to exercise his responsibility adequately or commits some offense against University standards, local, state or federal law provide the safeguards of due process customarily enjoyed by American citizens. These include a written description of the offense, participation in discussion of the matter and presentation of information in one's own behalf, the right to seek counsel in one's own best interest, and the right of appeal. These procedures are also described in the handbook.

Self-discipline and sensitivity to the rights and interests of others are the principal elements of University discipline. Students are entitled to seek advice on any matter of judgment, conduct or human relations that may concern them, and to participate in the development of standards of conduct supporting their interest in the purposes of the University.

Many students have asked for advice on standards of dress and personal appearance. Campus dress is expected to be appropriate to the activity in which the individual is engaged.

Student Government

All regularly enrolled students carrying nine credits or more per term are voting members of the Student Government of the University of South Florida. They elect the college councils, the Student Government officers, and the student representatives to the University Senate. Student Government is the agency representing student interests in plans, programs, policies and procedures at the University, and securing student representation in University governance. The Student Government office also helps students deal with special problems in areas such as off-campus housing, draft status, veterans services, and referral for legal assistance.

Grievance Procedure

In order to assure to students the right to redress of grievances, the Office of Student Affairs is responsible for a grievance procedure. Any student may file a question, complaint, or statement of grievance, in the Office of Student Affairs, in person or in writing. A course of action or other answer will be given by a member of the staff of the Office of Student Affairs, within the week. Students who do not wish to identify themselves or to provide local addresses will find the reply published in the earliest possible edition of The Oracle.
New Student Orientation Program
At the beginning of each quarter, prior to the beginning of classes, all new full-time undergraduate students are expected to participate in the Orientation program of the University. Normally a one-day program. Orientation is designed to help new students become acquainted with the University and includes academic advising.

Students cleared for Quarter I (September) admission are urged to participate in FOCUS: YOU AND USF, a special summer orientation program in lieu of Orientation prior to the beginning of classes.

St. Petersburg Campus
A Student Affairs office is also maintained at the St. Petersburg campus. For information about the services and programs provided for these students, see page 127.

Financial Aids
The student financial aid's program at the University of South Florida is a part of the Student Affairs program. For detailed information about financial aids see page 19.

Student Health Service
Comprehensive health care is provided for full-time students through the University Student Health Service.

A 14-bed infirmary is available for students with illnesses precluding class attendance. A walk-in clinic and medical laboratory are maintained for outpatient treatment.

University physicians have office hours by appointment, except weekends. Registered nurses are on duty 24 hours a day, 7 days a week in the Health Center and emergency care is available continuously, including nights and weekends.

Counseling Center for Human Development
The Counseling Center of the Personal Resource Center, located in the Andros Classroom Building, provides services for students desiring professional assistance in the areas of reading-study skills, vocational guidance, personal counseling, psychiatric consultation, tutoring, speech and hearing, Parole and Probation and Vocational Rehabilitation. These services are available to assist students in evaluating and remedying problems which interfere with efficient learning and satisfying participation in campus life.

The Career Guidance and Information Service utilizes the resources and full referral potential of testing, counseling, Placement, the Career Library, Cooperative Education, and Advising. The counselors help students in evaluating and reality testing their personal potential for educational and career goals. The Career Information Center provides career information including guides to career planning, dictionary of occupational titles, encyclopedias, handbooks, college exploration kits, college catalogs, and career monographs.

Professional psychologists from the Personal Counseling Service of the Personal Resource Center will also assist students in Career Guidance, particularly those who may present identity, motivational, and other related personal problems.

The Reading-Study Skills Service provides diagnosis and evaluation of reading skills and study habits. Two approaches are offered: (1) non-credit classroom courses are offered which include extensive instruction and practice in word attack, vocabulary, and comprehension skills; (2) an Independent Study non-credit course is available with the emphasis on the unique individual need. Reading-Study Skills Laboratory Service is available for all students enrolled in either the classroom or independent study sections. Regular registration procedures will be followed for either of the above courses. Visual screening is also available.

The Speech and Hearing Service screens all new students for speech and hearing differences which might affect their academic and vocational careers or social lives. Evaluative counseling is offered by professional speech pathologists who provide modification of such speech conditions as: unpleasant voice, faulty articulation, stuttering, foreign or regional accents, organic problems, etc. Individual and/or group sessions utilize the latest equipment. Audiometric testing and hearing conservation counseling is also available. Referrals are accepted from academic departments, especially those involving verbal communication. Liaison is maintained with related areas through referral in the management of student clients.

The Counseling Service is represented by different professional disciplines, including clinical psychologists, counseling psychologists, and social workers. The professional staff members assist students directly with emotional, personal, and/or career problems on an individual and/or group basis. In addition, this staff will train and supervise student paraprofessionals (mental health workers including drug rehabilitation leaders) and peer behavior managers (academic and interpersonal).

Students desiring special assistance in their courses, in order to qualify them in basic subjects preliminary to pursuit of an academic major, may apply to the Counseling Center for Human Development for tutoring. Tutoring on a fee basis can also be arranged in various courses. Fees charged by the tutors are set according to standard rates established by the Counseling Center for Human Development staff. Special paraprofessional non-fee tutorial services are also available.

Developmental English courses are offered at the Counseling Center for Human Development on a voluntary basis (non-credit) without charge to the full-time student, for the purpose of developing appropriate skills in rhetoric principles and practices in English composition.

Psychiatric Services aid the student when medication, hospitalization, or psychiatric evaluation is needed. Evaluations by the Counseling or Psychiatric Service in conjunction with administrative decisions of Student Affairs, Housing and Food Services, academic colleges or departments, and individual faculty will be rendered only at the request of the student and with a written “Release for Recommendation” signed by the student.

The Drug Rap Cadre is an extension to and an alternative for the Counseling Center at USF. It is organized, run, and staffed by student paraprofessionals and is primarily directed toward drug use. No appointments are necessary, no individual records are kept, and no names are required of a student seeking help through the Cadre. The Help Line is also a student
operated service which provides information and emergency intervention and referral by telephone.

Vocational Rehabilitation is a State of Florida service located in the Counseling Center to facilitate the University student’s utilization of aid available.

Parole and Probation is another State service which provides counseling and supervision for the students involved.

Application for any of these services of the Counseling Center may be made by any student at any time and as often as desired. Center staff limitations will restrict servicing of new applications to emergencies during peak periods.

Student Career and Employment Center
One of the recognized goals of a college education is to maximize career satisfaction and University of South Florida has dedicated itself to the purpose of assisting students and alumni in realizing their career objective. This office in conjunction with Counseling Center for Human Development seeks to help the student plan his career by providing information on employment trends and acquainting the student with various areas of employment.

In an effort to assist students and alumni, the Center offers various services that afford students several options that will assist them in formulating career plans.

Student Employment — On or Off Campus
In cooperation with the Financial Aids Office, every effort is made to insure part-time placement for undergraduate and graduate students who express a need for employment. Students may obtain part-time employment either on or off campus in career or non-career related employment through current job listings that are maintained during the year. Various summer and/or seasonal career or non-career related jobs are available with employers throughout the United States.

Cooperative Education Program
The program is open to majors in most disciplines offered at the University. The program’s objective is a balanced education where occupational experience is an integral part of formal education, and theory is blended with practice. The ultimate objectives of the program are to provide relevance in the educational process, direction in career planning, and bringing business and industry and governmental agencies close to the educational program of the University and have the graduates absorbed into permanent employment of the leading employers. Many types of organizations have joined the University as cooperative employers.

A student must have a minimum of 24 quarter hours of academic work completed with a grade point average of 2.0 or better before being assigned to an employer. Transfer students must meet minimum requirements in addition to completing 12 USF quarter hours. All University of South Florida cooperative programs are approximately four years in length except in the field of engineering, which is approximately a five-year program. The University will assign students to training programs relevant to their educational and professional goals. Usually students are first placed on assignments where they can learn the fundamentals. They may then advance in the type of assignment from training period to training period.

Cooperative Education students may take course work during each training period. This may be a regular course taken by class attendance, by independent study, or credit by examination at the University of South Florida or any other accredited college or university, a course by home study or correspondence, or a special problems course in an area appropriate to the student’s major interests.

Students who fail to attend for a training period after signing an agreement, who fail to keep their agreement to remain with an employer to the end of a given training assignment, or who fail to remain in the program as programmed, will not be permitted to register as full-time students during their next quarter on-campus.

Graduating Students And Alumni
Each year several representatives from business and industry, educational systems, and governmental agencies throughout the United States will conduct on-campus recruiting interviews for graduating students. In addition, employers will list career employment vacancies throughout the year and request referrals of qualified candidates. Graduating students should register with the office early in their graduating year to insure the establishment of their placement credentials. These services are available to alumni desiring career relocations.

The Career and Employer Information Room provides the student with materials on vocational guidance, career opportunities, and employers. In addition, information on graduate schools is maintained.

Housing
The housing program of the University is part of the total educational plan. Functional, pleasant living conditions contribute to a student’s scholarship, habits, and attitudes. The residence hall program emphasizes attractive surroundings, opportunity for group activity, self-government, and counseling services of professional people. Provision of adequate living conditions is a responsibility shared by students, parents, and the University.

Regularly enrolled students paying the registration fee for full-time attendance are eligible to live in University residence halls. An application for a room in University Residence Halls is sent with the Official Acceptance notification. Housing assignments are made without discrimination as to race, color, or national origin.

Residence Halls
Accommodations for students are available in the University’s modern residence halls. Residences are completely air conditioned and provide for the living, educational, social, and personal needs of students.

In general, rooms are furnished with beds, dressers, mirrors, desks, lamps, drapes, and chairs. Linen service is provided. In each living unit, composed of between 40 and 50 students, a Resident Assistant is available to assist students. A Resident Instructor for each hall is available for personal and academic counseling.
The University’s residence halls are grouped in units called complexes. The first completed complex—Argos—including three residence halls grouped around Argos Center, which serves as the living and dining rooms of these halls. In addition to the lounges and cafeteria, Argos Center has a recreation room and conference rooms. The students residing in these halls live in study-sleeping rooms. An outdoor swimming pool in this complex is also available for student use.

Andros Complex—consisting of nine residence halls—provides a different type of living arrangement for students. Suites are designed to accommodate eight students—two students sharing a bedroom, four students sharing a study room, and eight students sharing a bath. In addition, each living unit has its own lounge. Andros Center is also considered the living and dining rooms of the students residing in this complex, and has most of the same facilities as the Argos Center. An outdoor swimming pool in this complex is also available for student use.

Off-Campus Housing

The Student Government office located in the University Center maintains a list of off-campus housing. Listings are accepted only from householders and landlords that do not discriminate because of race, color, or national origin. Rental arrangements may best be made after personal inspection of facilities and conference with the householder before the University opens. Fall quarter arrangements may be made during the summer.

Food Service

A variety of food plans are offered through two food service contractors. Several small dining rooms may be reserved by committees or special groups wishing to take their trays to a private place for luncheon or dinner meetings.

University Center

The University Center seeks to facilitate another dimension of the educational experience by providing an environment for informal association outside the classroom. It provides facilities, services, and programs to enhance the social, cultural, and recreational life of the University. The information service desk serves as the coordinating center for the numerous and varied services and activities of the University Center and out-of-class student life. It is here that student organizations schedule facilities and request services for their various activities. The master schedule of all student activities is maintained at this location.

Many of the University Center facilities and services provide for personal and social needs. The University Center has some fourteen meeting and conference rooms to be used by student organizations, and provides facilities for the various services offered through the Office of Student Organizations and the Student Organization Service Center. For social activities, a ballroom is also located on the second floor. The first floor of the University Center has four social lounges for relaxation, as well as a gallery lounge to exhibit student art work. Other facilities on this floor are a television lounge, cafeteria and coffee shop, a campus store, and student government offices. Student health services occupy the fourth floor of the University Center.

The basement level of the University Center is the recreational area. To be found here are eighteen billiard tables, six table tennis tables, two table soccer games as well as a table game room equipped with cards, and a variety of table games. The crafts area has been expanded to include a large ceramics facility as well as leather work, copper enameling, macrame, candlemaking, and numerous other small crafts. Photography labs are also located in this area of the University Center.

Food Services, the Book Store, and Health Services operations are coordinated through their respective university administrative areas, while the other facilities and services are coordinated by the University Center Director’s office.

In addition to providing services and facilities, the University Center also functions as a programming agency. The newly formed Student Entertainment and Activities Council (S.E.A.C.) is comprised of seven student Program Associates recognized as programming para-professionals. The seven areas of responsibility include President, Budgetary Officer, Major Events, Campus Entertainment, Publicity, Cultural and Educational, and University Community. These seven Program Associates, advised by professional program staff, provide a social, cultural, and recreational program to make leisure time activities more appropriate to student needs and desires. The overall program is designed to supply additional experience by providing opportunities to as many students and organizations as possible to become involved in all areas of program presentation.

The Center’s program contributes to achievement of the educational goals of the University by providing a laboratory for experience in citizenship — a community center where all may have a part in the direction of community enterprises. Academic and non-academic interests are related so that student development may be well-rounded and complete. Enhancement of social skills and emotional development of the individual are also goals of this program.

The Student Entertainment and Activities Council has as its objective to provide a balanced program of activities reflecting the special social and recreational needs of a student’s out-of-class interests. All activities are planned, arranged, and directed by the seven Program Associates and their respective student committees and volunteers. Any student may volunteer his services for any activity and for any length of time he chooses. Applications for the paid Program Associate positions are accepted each year during Quarter II. Any student wishing to apply should obtain information in the Program Office.

Clubs and Other Organizations

Students have formed clubs, organizations, and councils in almost every field of interest. New groups are being formed and will continue to develop. Groups presently organized cover the most frequently desired kinds of activities.

Dance, Music, and Drama Clubs

The excellent program in the Fine Arts and the facilities of the Fine Arts-Humanities Building and the Theatre and the Theatre Center have attracted students to various student interest groups. These student or-
organizations—USF Dance Club for those interested in dance, Bay Players for those interested in theatre, and Phi Mu Alpha, Sigma Alpha Iota, and SMENC for those interested in music—welcome all students to participate. Students are also welcome to join such academic units as the University Orchestra, the University Concert Band, and the University Community Chorus (see Music course descriptions); and Theatre USF and Experimental Theatre (see Theatre Arts course descriptions).

Cultural Events

Many of today's outstanding visual and performing artists are brought to the University of South Florida campus each year. The Artist Series provides unusual opportunities for hearing the best music performed. The Exhibition Series provides unusual opportunities to view many varied and significant exhibitions annually in the University's three galleries. These and other programs conducted by the Florida Center for the Arts significantly contribute to the education of students and the general vitality of the campus.

In addition, the Division of Fine Arts arranges a full schedule of concerts, plays, lectures, films, and workshops which feature students, faculty and visiting artists. The events are presented both during the day and in the evening. Many are free of charge.

Most events are open to the general public. The University publishes a Calendar of Events which is available upon request to the Coordinator of Events, Florida Center for the Arts, USF.

Fraternities and Sororities

There are currently seventeen national fraternities and ten national sororities functioning on campus. They carry out a program of social, education, service and recreational activities for their members. Membership is open to any student, by invitation only. Their programs are coordinated through the Interfraternity Council and the Panhellenic Council with the advice of faculty and staff members.

The sororities are: Alpha Delta Pi, Alpha Epsilon Phi, Alpha Kappa Alpha, Delta Delta Delta, Delta Gamma, Delta Zeta, I.bada, Kappa Alpha Theta, Kappa Delta, and Chi Omega.

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

Religious Organizations

The University has encouraged student religious organizations to develop associations and centers. Denominations have built centers in a reserved area on campus. The Episcopal Center was dedicated in the fall of 1962 and the Baptist Center in the spring of 1964. The University Chapel Fellowship followed in 1966. (This center is an ecumenical campus ministry of the following denominations: Methodist, Presbyterian, and United Church of Christ). The Roman Catholic Center joined the others in the fall of 1967.

Service and Honorary

There are many organizations devoted to serving the University and Tampa Bay area. These Service Organizations are: Alpha Phi Omega, Circle K, Collegiate Civinettes, Intensive Tutorial, and USF Volunteer Services Coordinating Committee.

Membership to Honorory Organizations is usually by invitation. Honorory organizations at USF are: Beta Gamma Sigma, Kappa Delta Pi, Mortar Board, Omicron Delta Kappa, Phi Kappa Phi, Pi Mu Epsilon, Psi Chi Psychology Honorary, Tau Beta Phi, and Themis.

Professional Fraternities

Many profession-oriented groups exist at USF. These include: American Society of Personnel Administration, Chi Chi Theta (management), Delta Sigma Pi (business), Phi Beta Lambda (business), Phi Mu Alpha (music), Pi Sigma Epsilon (marketing), Sigma Alpha Iota (music) and the U.S. Institute for Theater Technology.

Special Interest Organizations

Students have organized and continue to organize clubs covering a broad range of special and academic interests. Membership is usually open to anyone having an interest in the club's activities. Clubs active at present include: A.I.E.S.E.C., Amateur Radio Club, Campus Advance, Campus Crusade for Christ, Christian Science Organization, Jewish Student Union, Son Worshippers, Student Association of the Church of Jesus Christ of the Latterday Saints, Lutheran Student Organization, Student Vesty of the Episcopal Church and the University Chapel Fellowship.

Student religious organizations active on campus include Aeropagus, the Bahai Club, Baptist Student Union, Campus Crusade for Christ, Catholic Student Organization (Newman Club), Chi Alpha, Christian Science Organization, Jewish Student Union, Son Worshippers, Student Association of the Church of Jesus Christ of the Latterday Saints, Lutheran Student Organization, Student Vesty of the Episcopal Church and the University Chapel Fellowship.

Academic Departmental Organizations

Many clubs and organizations are academic, departmental or major oriented. These groups are Education: Association For Childhood Education, Library Education Audio Visual Organization, Florida Student Education Association, Student Council For Exceptional Children, Business Administration: Graduate Business Association, Management Student Advisory Council, Student Accounting Organization, Beta Alpha Psi Engineering: Florida Engineering Society. Fine Arts: Student Music Educators National, Language-Literature: Advertising Association of Mass Communications, Circolo Italiano, Forensics, German Club, Philosophy Club, Press Club, Readers Theater Guild, Spanish Club, University Film Association. Social Science: Gerontology Club, Science: Geology Club, Speech Pathology &
Audiology Club, Marine Biology Club, Pre-Medical Society, USF Chemical Society, and Sigma Eta.

Councils and Special Service Organizations

In addition to the above mentioned organizations, a number of groups provide programs, information, and governmental experience for the students at the University. These include the College Councils, Afro-American Society, College of Education Association, College of Fine Arts Student Advisory Board, College of Natural Science Student Advisory Board, Cooperative Education Student Advisory Council, Engineering College Association, Inter-fraternity Council, Language Literature College Council, Student Advisory Board College of Medicine, Off-Campus Term Student Advisory Council, Panhellenic Council, College of Social Science Student Advisory Council, Sports Club Council, College of Business Student Advisory Council, University Religious Council, and World Affairs Council.

Other Special Service Organizations are: Oracle, Program Council - University Center, Senior Class, Student Entertainment And Activities Council, Student Government, and Student Organizations Advisory Board.

Recreational Sports

The University of South Florida provides a variety of physical and recreational activities designed to meet the needs and interests of students. Believing that a sound and complete education includes a proper balance of work and study with physical activity, the University program includes Intramural Sports competition for men and women. Sports Clubs, and other recreational activities, in addition to basic instructional programs in physical education.

The activities represent a broad selection of sports ranging from those of a highly competitive nature to those of a non-competitive type and include individual, dual, team, and aquatic sports. Through participation, students, faculty, and staff will increase physical fitness, augment leisure time skills, and develop a wholesome attitude toward physical activity.

The Intramural Sports Program emphasizes activities that are especially suited to the Florida climate. Competition is scheduled in such individual sports as swimming, tennis, track, golf, cross country, table tennis, bowling, billiards, handball, paddleball, wrestling and archery, as well as the team sports of touch football, basketball, volleyball, and softball. Competition is scheduled through fraternal societies, residence halls, and independent divisions. Team awards are presented.

The Sports Club Program includes groups of students, faculty, and staff who have a special interest in a particular sports activity. They are organized for the purpose of increasing skills and augmenting knowledge through a continuing in-service training and competitive program. Each sports club is assisted by the coordinator of sports clubs in the selection of a faculty advisor, and the initial organization of the club is governed by University regulations. Students with special sports abilities or interests are encouraged to make them known so that when sufficient need and interest warrant, new sports clubs may be formed. Present clubs include: fencing, gymnastics, judo, karate, sailing, sports car, water skiing, rugby, synchronized swimming, soccer, wrestling, yoga, and weight lifting.

The Special Events Program is geared to provide the University community with a variety of informal recreational activities. Some of the activities are: open tournaments, trips to special athletic events, splash parties, picnics, camping, boating, coed activities, and other special project activities related to the development of campus recreation.

Sports Clubs


Intercollegiate Athletics

The University of South Florida fields intercollegiate teams in baseball, basketball, golf, soccer, swimming, and tennis. South Florida is a member of the National Collegiate Athletic Association and has sent several teams each year to the national tournaments. Schedules are arranged to include quality competition which reflects the high standards of the University. Women's athletics are encouraged. South Florida holds membership in the Association for Intercollegiate Athletics for Women.

Student Publications

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

A 5-column tabloid campus newspaper, The Oracle, is published four times weekly, Tuesday through Friday, during Quarters I, II, and III, and twice weekly, Tuesday and Thursday, during Quarter IV. Containing 8 to 16 pages in each issue, it provides professional experience for those students interested in journalism. Any student interested in working on the newspaper in any capacity is not only encouraged but urged to participate.

The Graduate, a University yearbook oriented toward graduating seniors, is produced in the spring. However, copies of the pictorial record book are also available to undergraduates and other members of the University community. All students are eligible to work on this publication and gain valuable experience in photography, layout, editing, and business techniques.

A campus literary magazine, South Florida Review, is produced annually. While the magazine is sponsored by the Office of Student Publications, anyone at the University may submit manuscripts, photographs, or drawings for consideration.

Interested students are invited to apply for staff positions on any campus publication.
ACADEMIC POLICIES AND PROCEDURES

The Office of Records and Registration, a department of the Registrar’s Office, is responsible for maintaining the official academic records for all students and the course registration for currently enrolled students. Students are encouraged to contact the Office of Records and Registration should they have any general questions concerning this section of Academic Policies and Procedures or have an inquiry concerning their current registration or academic record. It is the responsibility of each student to be aware of the University’s Academic Policies and Procedures in so far as they affect him.

Registration Procedures and Regulations

Class Standing

A student’s class is determined by the number of credits he has earned without relation to his grade point average.

0 Special/Unclassified Non-degree seeking students
1 Freshman 0 through 44 quarter hours passed
2 Sophomore 45 through 89 quarter hours passed
3 Junior 90 through 134 quarter hours passed
4 Senior 135 or more quarter hours passed, however no baccalaureate degree earned here or elsewhere
5 Baccalaureate degree holder working on a second Undergraduate degree
6 Graduate student admitted to Master’s Degree Program
7 Graduate student admitted to Specialist Degree Program
8 Graduate student admitted to a Doctoral Degree Program
9 Professional Program (M.D.)

Student Major Program

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

Second Undergraduate Major: Once a student receives a specific undergraduate degree (B.A., B.S., B.S. in Engineering, Bachelor of Independent Studies, etc.) at the University of South Florida, he/she cannot receive a second identical degree. However, the student may apply for a second major through the Admissions Office. (Exceptions to this rule are students who have already been accepted for a “Double Undergraduate Major” but graduated with only one major.) After acceptance by the appropriate college and proof of completion, the student’s “permanent academic record” will be posted accordingly.

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

Change of Undergraduate Major: Undergraduate students desiring to change their majors should consult the Advising Office in the new and old college(s) of their interest.

Change of Graduate Program/Degree: Graduate students desiring to change their program or degree status must complete an “Application for Graduate Change of Program/Degree Status” available from the Office of Records and Registration. Students will be notified by the Office of Records and Registration of the College’s decision concerning the student’s acceptance into the new status. For further detail on acceptance into graduate programs, students should refer to page 40.

Adds

After a student has completed his registration on the date assigned to him, he may add courses until the “Add” deadline as specified in the academic calendar.

Drops

For the first six weeks of any term, a student may drop a course or courses without penalty by completing and turning in a form at the Office of Records and Registration. The student’s permanent record will then show a grade of “W.” Any course dropped after the first six weeks of classes will result in a grade of “F.”

Students should be particularly careful to use the correct course section number when dropping and adding courses. Incorrect section numbers may result in the student being billed for a course he intended to drop.

Auditing Privilege

If a student wishes to audit a course, he must obtain written approval on the audit form from the instructor of the course and section in which he wishes to enroll. Audit forms may be obtained from the Office of Records and Registration prior to registration or at the Registrar’s information area at registration. The completed form must be submitted to the Office of Records and Registration by the last day to add courses. Fees are charged at the same rate as credit courses.
Cancelling Before First Class Day
Students may cancel their registration by notifying the Office of Records and Registration prior to the first day of classes. If fees have already been paid, the student may receive a full refund of fees. The "Certification of Fee Payment" card must accompany the request for cancellation or the student's activity fee will be deducted from the refund.

Withdrawal
A student may withdraw from the University without penalty prior to the last four weeks of classes by submitting a completed Withdrawal form to the Office of Records and Registration. After that date grades of "F" will automatically be assigned for all course work.

Students who withdraw during the add period as stated in the academic calendar may receive a full refund of fees. No refund is allowed after this period except for specified reasons. See "Refund of Fees" for complete details.

Grades and Scholarship Requirements
The University is concerned that each student makes reasonable progress towards his educational goals and will aid each student through guidance and faculty advising. To make a student aware of his academic progress, the University has enacted a system of grading and policies of Academic Warning and Disqualification which indicates whether or not a student is showing sufficient progress towards meeting degree requirements. Notations of Grades, Academic Warning, and Disqualification are posted to the student's permanent record.

When a student is disqualified from the University, not eligible to re-enroll, it may be in his best interest to re-evaluate his educational goals with an academic advisor in his college. If the student's poor academic performance has resulted from extenuating circumstances or if after a period of time the student feels he has gained adequate maturity and motivation, he may petition the Academic Standards Committee for readmission. See "Academic Standards Committee" for complete details on petitioning.

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

A—Superior performance
B—Excellent performance
C—Average performance
D—Below average performance, but passing
F—Failure
S—Satisfactory
U—Unsatisfactory
W—Withdrawal from course without penalty
H—Honors (Medical students only)
I—Incomplete
N—Audit

Grade Point Average
The University has a four point system of grading used in computing grade point averages. (A=4 grade points, B=3, C=2, D=1, F=0.) The grade point average is computed by dividing the total number of quality points by the total attempted hours at the University of South Florida. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. Courses with S, U, I and I grades are subtracted from the total attempted hours.

Academic Warning Status and Disqualification
An undergraduate student is not in good standing if his cumulative Grade Point Average falls—

A) Below 1.500 and his attempted quarter hours are less than 45;
B) Below 1.700 and his attempted quarter hours are between 45 and 89.

A student falling into one of the above categories will be placed on Academic Warning. All students on Academic Warning who do not raise their cumulative Grade Point Average to a level of good standing within the next term enrolled will be placed on Final Academic Warning.

Should the student's Grade Point Average fall below 2.000 while his attempted quarter hours are more than 89, he will be placed on Final Academic Warning.

A student on Final Academic Warning must earn at least a 2.000 average the next quarter he is enrolled. Failure to do so will disqualify the student from continued attendance at the University of South Florida. If a student withdraws while on Final Academic Warning, he is automatically disqualified and must petition and secure approval of the Academic Standards Committee for re-entry.

A student who fails to have a 2.000 cumulative Grade Point Average after attempting 135 quarter hours is automatically disqualified. A disqualified student must petition and secure approval of the Academic Standards Committee before readmission. This rule overrides all others.

Any student who is readmitted directly to the
University following Disqualification will be placed immediately on a Final Academic Warning status. A disqualified student seeking to gain readmission must apply to the Academic Standards Committee through the Office of Records and Registration.

If the student attends another college or university during this intervening period, he will be classified as a transfer student and his admission will be based on his total educational record.

Graduate students should refer to the section on graduate study for discussion of minimum academic standards.

**S-U Grade System**

Certain courses have been designated by the University as S-U courses. The "S" and "U" grades are used to indicate the student's final grade. These S-U courses are identified each quarter in the University Class Schedule. No grading system option is available to students or faculty in these courses.

In addition, qualified students may take any undergraduate course that is not required in the student's major or in the distribution requirements of the student's college on an S-U basis upon the written agreement of the instructor and the student. A student, therefore, may take any number of electives graded S-U and count them toward graduation, except that each college may specify the courses and the number of hours of S-U grades that can be used to fulfill its degree requirements.

S-U grades do not affect the student's Grade Point Average since no grade points are assigned to either an "S" or "U" grade. However, the student will receive quarter hours credit for the course toward his degree if an "S" grade is attained.

Students who expect to continue their studies beyond the baccalaureate level should plan their use of the S-U option according to the admissions standards of the programs they might enter.

**"I" Grading Policy**

An "I" grade may be used for an authorized failure to meet the requirements of a course. Until removed, the "I" is not computed in the grade point ratio for either undergraduate or graduate students. The time limit for removing the "I" is to be set by the instructor of the course. Normally this would be by the end of the quarter following the one in which the grade is given; for undergraduate students this time limit may not exceed three quarters and/or time of graduation, whichever comes first. "I" grades not removed by the end of the time limitation will revert to grades of "U" or "F," whichever is appropriate.

**Forgiveness Policy**

The Forgiveness Policy allows a student to repeat a course and have only his latest grade computed into his grade point average. The use of the Forgiveness Policy is subject to the following restrictions:

1. The Policy applies even if the latest grade is lower than the first.
2. A student may repeat any course once. In order to repeat a course more than once, the student must receive prior approval from the Dean of his College or the Director of the Division of University Studies, if appropriate.
3. The policy is applicable to undergraduate students only. Once a baccalaureate degree is earned, a student may not repeat an undergraduate course and receive a waiver.
4. In cases where the course prefix, number, hours, or title are different, the student must receive approval from the College Dean verifying equivalence of the course.
5. The repeat course must be taken under the standard grading system (A, B, C, D, & F).
6. All grades for repeated courses will be retained on the permanent record; only the latest grades will be used in computing the grade point average.

To initiate the Forgiveness Policy a student must complete a "Repeat Course Waiver" form in the Office of Records and Registration for each repeated course.

**General Academic Regulations**

**Pending Status**

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

Each student placed on Pending should determine from the Office of Records and Registration which office placed him in this status and clear the pending obligation with that office.

**Academic Load**

The maximum load for any undergraduate student is 18 hours unless approval is received from the Dean of the student's college or his authorized representative. Students classified as undecided must receive the approval of the Director of the Division of University Studies. The minimum load for a student to be considered academically full time is 12 hours.

**Academic Residence**

Candidates for the baccalaureate degree must complete the last 45 hours of their academic work at the University of South Florida in a degree seeking status.

Exceptions to the above rule are students who are enrolled at other universities on approved exchange programs, Cooperative Education students enrolled in other institutions (prior approval having been secured from their USF advisers) while on their training periods, and students taking correspondence work from the University of Florida.

Candidates at the graduate level should refer to the residency requirements on pages 43 and 45.
**Academic Standards Committee**

The Academic Standards Committee meets regularly to review petitions submitted by students to waive certain academic regulations. Students must petition and secure approval of the Committee to return to the University after having been disqualified from further immediate attendance or for reasons pertaining to admission, registration, or other academic policies and procedures.

The committee normally meets once a week. To petition the committee a student must secure the appropriate form from the Office of Records and Registration. Completed forms must be returned to the Office of Records and Registration by 5:00 p.m., Friday, to be reviewed at the next week’s meeting. Students will receive notification of the committee’s action the following week.

The student should arrange for a personal interview with the committee representative from his college prior to submitting his petition. While students may make a personal appearance before the committee, this is not required.

**Credit by Examination**

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

**College Level Examination Program (CLEP)**

The University of South Florida grants course credit for satisfactory performance on many of the College Level Examinations. The required performance level and specific examinations are subject to change; therefore applicants should inquire for more detailed information. For further information, contact the Office of Testing and Advanced Placement in the Division of University Studies.

The following regulations refer to the application of this program:

1. A student may not receive both transfer credit and CLEP credit in the same area.
2. The student cannot receive credit by way of CLEP if he has already taken courses at an institution of higher learning covering the area of concern.

**Advanced Placement Credit Program**

The University of South Florida participates in the Advanced Placement Program conducted by the College Entrance Examination Board, which provides college-level advanced placement examinations in American history, biology, chemistry, English, European history, French, intermediate German, advanced German, Latin IV, Latin V, mathematics, physics, and Spanish. Examinations in Russian are being added.

Examination papers are graded by selected committees on a five-point scale: 5—high honors, 4—honors, 3—good, 2—credit, 1—no credit.

The University allows automatic advanced placement credit for scores of 3, 4, and 5, and allows advanced placement with or without credit for scores of 2, upon recommendation of the program concerned.

Participation in this advanced placement program does not affect the University’s regulations concerning waiver, credit by examination, independent study, or other provisions for the advanced placement of qualified students.

**Advanced Placement Non-Credit Program**

Frequently a superior student, particularly in the fields of science and mathematics, is allowed to enter advanced courses in those subjects. It is possible, for instance, for students well trained in mathematics to enter calculus as freshmen. It is also possible for well trained students to enter physics or chemistry without having other college level science. Before permission is granted to do so, students are required to take a science and mathematics examination to determine whether or not they actually have the knowledge and competency to succeed in these advanced courses. This same procedure is applied to other subjects.

**Independent Study**

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

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

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

**University of Florida Correspondence Courses**

Because the University of Florida has been designated as the only institution in the State University System to offer correspondence courses, the University of South Florida will consider such courses as resident credit. Grades earned, however, are not transferable. Exception: Grades for University of Florida correspondence courses taken by Cooperative Education students will be computed in their University of South Florida grade point average.

**Enrollment in Evening Courses**

Evening courses at the University of South Florida are considered a part of the regular academic program; they are offered at times convenient to people within commuting distance who wish to continue their education at night while occupied during the day with other responsibilities. Requirements for evening courses are the same as those for the regular academic program. Evening students who wish to seek degrees must apply to the University and meet all the requirements stated in the
section on Admissions and Related Procedures. Evening students may be assigned to an adviser after admission and should contact the Division of University Studies for adviser assignment. As a general rule, part-time students attending night classes are encouraged to take not more than two courses.

Students who wish to take courses for enrichment but who do not wish to pursue degree programs may enroll in courses on a space available basis using the Special Student enrollment procedure. See Special Student section, page 13.

**Graduation with Honors**

Each student graduating with a baccalaureate degree from the University with a grade point average earned at USF of 3.5 or higher will receive a special notation on his diploma indicating that he has graduated with honors.

Transfer students must have a grade point average of 3.5 or above when combined with all previously attempted college work.

**Honors Convocation**

As one way of emphasizing distinguished academic achievement by students, the University of South Florida holds an Honors Convocation each fall quarter to recognize those undergraduate students who have accumulated a grade point average of 3.5 or better in 12 or more quarter hours attempted each quarter at the University of South Florida during at least three quarters of attendance within the academic year immediately preceding the Convocation. Hours earned in courses for which only S-U grades are given are included in the 12 hours. Cooperative Education students may substitute one training quarter of satisfactory work for one of the three-on-campus quarters.

**Dean's List**

Full-time undergraduate students who demonstrated superior academic achievement, by attaining a 3.5 grade point average in 12 or more hours attempted during one quarter, will be honored by qualifying for the "Dean's List." Hours earned in courses for which only S-U grades are given are included in the 12 hours. The Dean of the College in which the student is majoring will award a certificate of recognition of this academic honor. Each undergraduate student will be recognized and honored after each quarter in which he demonstrates superior academic achievement.

**General Distribution Requirements**

The University of South Florida provides that a wide distribution of academic areas should be a part of a formal university education. These distribution requirements may be satisfied over the four-year period by the completion of sixty (60) credit hours with at least eight hours in each of the five areas listed below:

- **Area I—English Composition**
- **Area II—Humanities/Fine Arts**
- **Area III—Mathematics/Quantitative methods**
- **Area IV—Natural Sciences**
- **Area V—Social and Behavioral Sciences**

Since each college may require and/or recommend specific courses for the satisfaction of each area, students should consult the distribution requirements as listed in each college section of the Catalog.
Graduation Requirements — Associate of Arts

Upon the student’s successful completion of the minimum requirements for the Associate of Arts degree, an appropriate certificate will be presented.

A student receiving the Associate of Arts must complete 90 quarter hours of University credit; the last 30 hours must be completed in residence at the University of South Florida; the minimum grade point average must be 2.0 based on work attempted at USF; and the General Distribution requirements of the University must be satisfied. Physical Education credits do not count toward the A.A. degree.

Application for the Associate of Arts degree is obtained from the Office of Records and Registration prior to the degree application deadline date. The certification must be awarded prior to the student’s accumulation of 135 credit hours.

The awarding of the Associate of Arts does not alter the calculation of the grade point average nor does it interrupt the accumulation of the student’s record.

Graduation Requirements — Baccalaureate Degree

The University of South Florida offers curricula leading to the baccalaureate degree in the following fields. The major code designations are listed in parentheses.

College of Business Administration:
Accounting (ACC) Management (MAN)
Economics (ECN) Marketing (MKT)
Finance (FIN)

College of Education:
Art Education (EDA)
Botany Education (BOE)
Business and Office Education (VBV)
Chemistry Education (CHE)
Classics and Ancient Studies Education (CLE)
Distributive Education (VDE)
Elementary-Early Childhood (EEC)
Elementary Education (EDE)
English Education (ENE)
Industrial-Technical Education (VIT)
Library-Audiovisual Education (EDL)
Mass Communications-English Education (MCE)
Mathematics Education (MAE)
Mental Retardation Education (MRD)
Modern Foreign Language Education (MOE)
Music Education (EDM)
Physical Education (EDP)
Physics Education (PHE)
Science Education (SCE)
Social Science Education (SSS)
Speech Communication-English Education (SEE)
Zoology Education (ZOE)

College of Engineering:
Engineering (EGU) Engineering Technology (ETK)
Engineering Science (EGC)

College of Fine Arts:
Art (ART) Music (MUS)
Dance (DAN) Theatre Arts (TAR)

College of Language and Literature:
American Studies (AMS)
Anthropology-Linguistics (ANL)
Classics and Ancient Studies (CLS)
Classics and Ancient Studies and Modern Language (CLM)

College of Natural Sciences:
Astronomy (AST) Mathematics (MTH)
Biology (BIO) Medical Technology (MET)
Botany (BOT) Microbiology (MIB)
Chemistry-B.A. (CHM) Natural Sciences
Chemistry-B.S. (CHS) Interdisciplinary (INS)
Clinical Chemistry (CHC) Physics-B.A. (PHY)
Geology (GLY) Physics-B.S. (PHS)
Zoology (ZOO)

College of Nursing:
Nursing (NUR)

College of Social and Behavioral Sciences:
Afro-American Studies (AFA)
Anthropology (ANT)
Criminal Justice (CIP)
Economics (ECN)
Geography (GPY)
History (HTY)
International Relations (INR)
Latin American Studies (LAM)
Non-Western Studies (NWE)
Political Science (POL)
Psychology (PSY)
Social Science Interdisciplinary (SSI)
Sociology (SOC)
While each college sets specific requirements for graduation, the basic University requirements must be met by every student upon whom a degree is conferred. These basic requirements specify that a student obtain at least 180 quarter hours of credit with at least a "C" average for all University of South Florida courses attempted in order to be eligible for graduation. The hours for a course which has been repeated may be counted only once toward this minimum 180 quarter hours of credit. At least 60 of his quarter hours must be for upper division level work (courses numbered 300 or above).

In addition to specific requirements of their major and College, candidates for Graduation must also satisfy the University General Distribution Requirements. Candidates must be recommended for graduation by the dean of the College granting the degree and must have completed at least the last 45 hours of their undergraduate credit at the University of South Florida after having been admitted to a degree-granting College.

Approved exchange program students may take courses off-campus which will be considered as on-campus courses. Cooperative Education students, while on their training periods, will have any work taken at other institutions (approval having been given by USF advisers) counted as residence work.

If changes are made in major or graduation requirements during the time a student is enrolled in the University, the student has the choice of graduating under either the old or the new requirements.

While every effort will be made to give each student appropriate advice in meeting major and graduation requirements, the final responsibility for meeting these requirements rests with the student. He should study the catalog carefully and seek advice when in doubt. In any case, he should check with his dean when he has reached 135 quarter hours to make sure that his program plans are complete.

Specific requirements of the several colleges are listed under their respective sections.

**Admission to a College**

All new lower level students must be initially advised by the Division of University Studies. After that time, a student may declare a major and move to a degree granting college. (Each college has specified in this catalog its requirements for admission.)

All undecided students are assigned to the Division of University Studies for purposes of advising until a choice of major is made. At that time, he/she may enter the college containing the major department. Undecided students may remain in this classification until a maximum of 135 quarter hours are earned. After that time, a major must be selected.

Students must complete the last 45 hours of their undergraduate work in degree-granting college.

**Availability of Courses**

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

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**Bachelor of Independent Studies**

**Adult Degree Program**

The Bachelor of Independent Studies (BIS) Program is an adult oriented, external degree program for individuals whose life styles preclude attendance at regular classes. The BIS student proceeds at his own pace and, for the most part, in his own setting. The exception is the seminars which require periodic, short-term residence.

The curriculum consists of interdisciplinary studies which are divided into four areas: the Humanities, Natural Sciences, Social Sciences and Inter-area Studies.

The student approaches the first three areas of study via guided independent study and a seminar. Directed reading or independent study requirements represent long term involvement as compared with the short term duration of a seminar. The first three study areas are in free standing order. The student is encouraged to start in his area of strength.

Studying in absentia and usually on a part time basis, the student engaged in independent study relates with a faculty adviser who furnishes directions regarding reading assignments, methods of reporting, and other study projects. The student demonstrates that he has attained the level of proficiency required for completion of independent study in a particular area through the satisfactory completion of an area comprehensive examination. The exam may be taken on or off campus.

When certified as eligible for a seminar, the student is invited to attend a three week seminar in conjunction with each of the first three study areas (Humanities, Natural Sciences, and Social Sciences). Seminar residence requirements, in other words, add up to a total of nine weeks of periodic residence on the USF campus. Each seminar represents a period of intensive residential learning under the direction of a team of faculty members.

The fourth area of study, or inter-area studies, represents an opportunity to integrate the various insights gained from the first three study areas. Fourth area study is essentially a thesis-oriented experience. Representative procedures, which are supervised by a primary adviser and two other thesis committee members, include inter-area reading, thesis prospectus, research, preparation of a provisionally acceptable thesis, a thesis oral examination (on campus), thesis revision, and final acceptance of the thesis by the thesis committee chairman.

Those seeking admission to the BIS Program must qualify for admission to the University of South Florida and for admission to the BIS Adult Degree Program. The USF Director of Admissions rules on the admission of an applicant to the University. The BIS Council rules on admission of an applicant to the BIS Program. Applicants must be at least 25 years old. An individual under
Academic Policies and Procedures

Graduation Requirements—Graduate Programs

For complete discussion of graduate programs and academic policies and procedures, students should refer to the section on "Division of Graduate Studies."

Special Academic Programs

USF-HCC Interinstitutional Agreement

Some undergraduate students may find it advantageous to dually enroll at Hillsborough Community College and the University of South Florida. Procedures have been developed to permit crossover registration in HCC courses if the USF student's adviser approves them as being appropriate for his academic program. While the grade point average earned at HCC will not transfer to USF, credit for the courses taken will apply toward graduation.

Those wishing to dually enroll at USF and HCC should contact their adviser for additional information.

HCC students may also dually enroll at USF under a reciprocal agreement between the two schools.

Your Open University (Y.O.U.)

Y.O.U. is a means by which individuals, regardless of previous educational background, can earn credit through the medium of television in their own home. Individuals who cannot attend the University under normal circumstances and on-campus students may enroll in the Y.O.U. courses.

Y.O.U. courses are broadcast over WUSF, Channel 16, either in the late afternoons or evenings. In certain areas these courses are also transmitted over cable television. Each lesson is broadcast twice to permit viewing flexibility for the student.

Y.O.U. credit courses are considered the same as on-campus courses and cost the same as comparable courses taught on the University campus.

Modern University, Inc.

Applicants who cannot attend the University through normal procedures and require a graduate degree must apply through the Law School Program. Applicants who demonstrate sufficient competence as a part of the pre-enrollment procedures. Applicants who have sufficient competence in some but not all of the disciplines in a study area receive advanced placement or an abbreviated reading program based on the individual's background and needs. The concept of advanced placement is implemented by the study area adviser following the student's enrollment.

The BIS Program is administered through the Center for Continuing Education. It is academically responsible to the Vice President for Academic Affairs through the BIS Council. Brochures are available on request. For further information, write: Director, BIS Program, University of South Florida, Tampa, Florida 33620.

**Please note that the fees listed do not include such additional expenses as books, travel, and living expenses during seminars.**

Students may not transfer credits into or out of the BIS Program. Program policy does provide for recognition of prior learning which may have been achieved through formal study, leisure time reading, life or work experience, or a combination of these. More specifically, applicants who can demonstrate sufficient competence may waive up to a maximum of two areas of guided independent study. Applications for waiver are processed as a part of the pre-enrollment procedures. Applicants who have sufficient competence in some but not all of the disciplines in a study area receive advanced placement or an abbreviated reading program based on the individual's background and needs. The concept of advanced placement is implemented by the study area adviser following the student's enrollment.

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courses, etc.) of varying lengths are scheduled throughout the year, making it possible for the University to serve greater numbers of adults with richer and more diversified programs. The programs vary in length from one day to ten weeks, and the subject matter is concentrated as needed for the group being served. The Continuing Education Unit (CEU) is recorded for all noncredit programs and special activities conducted by the University. The CEU is awarded to participants in select programs sponsored by Continuing Education and approved by an academic unit. Transcripts indicating awarded CEU’s will be available on request.

The Center for Continuing Education develops programs for business and industry, government, professional, civic and service groups. A variety of instructional methods are used to assure maximum participation in the educational programs. Distinguished faculty members from the several colleges of the University, faculty from other institutions of higher education, as well as national and international resource persons, serve as consultants, instructors and lecturers for the programs.

Professional program coordinators are available to provide technical assistance in program planning, budget preparation and evaluation, and to assist organizations in developing programs consistent with the needs of the group and the overall educational objectives of the University.

The Center also offers a number of programs and courses designed to meet various educational needs of individuals. Emphasis is placed upon quality classes for professional advancement, personal improvement and cultural enrichment.

Registration in these classes is open to all adults with a desire for knowledge and interest in the subject matter.

Chinsegut Hill Conference Center: The Chinsegut Hill Conference Center is the University of South Florida’s educational center, available for conferences, workshops, planning meetings, seminars, retreats, and field trips. Chinsegut Hill is a 180-acre tract surrounded by a 6,000-acre federal agricultural and beef cattle experiment station, wildlife refuge, and forest reserve. It is located five miles north of Brooksville, Florida, off U.S. Highway 41 by way of State Road 581.

The manor house at Chinsegut Hill has indoor facilities to accommodate 50 to 60 people with a maximum single room capacity of 35. The mansion’s long verandas are also suitable for meetings. Overnight groups of up to 20 persons can be housed in the mansion. Arrangements to use the Chinsegut Hill Conference Center should be made through the Center for Continuing Education.

Off-Campus Term Program

The Off-Campus Term (OCT) Program offers a program of experience-study whereby all students are encouraged to spend at least one quarter engaged in individual educational pursuits away from the University campus. Students are offered a wide variety of opportunities for self-designed and self-implemented experience for academic credit. For example, students may become involved in social action projects, international travel or study, independent research-study work, or internship projects, and many other personalized projects — all off campus and all for academic credit.

A major option relating to outside agencies is the OCT Social Action program. These projects are much like VISTA programs in nature. Students work as paid volunteers for non-profit agencies working for social change or improvement of the poor and disadvantaged or serving the community in other ways. These agencies expect student volunteers all 4 quarters of the year and need 40 or 50 students each term in order to achieve their goals.

Academic credit is earned by students while engaged in off-campus activities through the OCT Program. The number of hours of credit varies according to student interest and proposed activities. Students may enroll and pay fees for variable hours of credit from 1 to 15. Academic credit activities are designed around the basic off-campus experiences for the most part and projects resulting in academic credit are designed by the student and supervised by appropriate faculty. Credits may be earned which apply towards general education, general elective, and major field credit requirements.

The Community Interaction Course is specifically designed for off-campus purposes. This is a basic and broad range environmental study where the student learns of his environment through guided and intentional interaction with it.

The full resources of the University are available to assist the student in his planning and implementation of his off-campus experience. The OCT Program operates throughout the entire year and students are urged to plan their off-campus experiences during the fall through spring quarters to avoid the traditional rush common to the summer term.

Exchange Programs

National Student Exchange

The University is affiliated with the National Student Exchange (NSE) which permits undergraduate students to study for up to one year in another public university as part of their program at the University of South Florida. These exchanges can occur only at universities which are part of the National Student Exchange.

In addition to the University of South Florida, other universities participating in this program are Morgan State College (Md.), Illinois State University, Montana State University, Ohio University, Oregon State University, Paterson State College (N.J.), Towson State College (Md.), Rutgers University, West Chester State College (Pa.), and the Universities of Alabama, Hawaii, Idaho, Massachusetts, Montana, Nevada (Reno), Oregon, and Wisconsin (Green Bay).

Under the National Student Exchange program, University of South Florida students apply for exchange status at their home campus. To qualify, a student must be in his sophomore or junior year while at the exchange school, and have a 2.5 grade point average. He pays in-state fees at the host campus and his credits and grades transfer back to the University of South Florida upon completion of the exchange.
Students must apply for exchange at least five months before the anticipated term or terms off campus at the exchange school. The NSE program is coordinated by the Off-Campus Term Program. The OCT Program maintains a library of materials about the program and the member institutions involved in the NSE Program. Interested students should contact the Director of the Off-Campus Term Program for information and application.

**University of Maine Exchange Program**

The College of Education operates a student-faculty exchange program with the University of Maine, Farmington. This program provides opportunities for upper division students and selected faculty members to exchange residence at both campuses. The student exchange provides a waiver of out-of-state tuition. University credit earned is applicable towards graduation. Students desiring further information should contact the coordinator of student activities in the College of Education.

**Study Abroad Programs**

Students at the University of South Florida are eligible, if they meet the specific academic requirements, for enrollment in a wide variety of study abroad programs sponsored by the Florida State University System as well as by certain other U.S. colleges and universities, national educational organizations, and foreign institutions of higher learning.

Programs of the Florida State University System are listed below.

- Administered by the University of Florida: year abroad program at the University of Utrecht in the Netherlands; year abroad program, University of the Andes, Bogota, Colombia.
- Administered by the Florida State University: two quarter and academic year programs at study centers in Florence, Italy, and London, England; summer program in Belgrade, Yugoslavia.
- Administered by the Department of Modern Languages, University of South Florida: one or more quarters each academic year at the National University of Mexico, Mexico City.
- Administered by the College of Education, University of South Florida: summer program in London on “Comparative Guidance in Education”. The program offering is contingent on student demand, and is open to graduate students only.

In addition, special one quarter and year abroad programs, sponsored by the University of South Florida, are available at the University of the Americas, Puebla, Mexico, and at Alvescot College, Oxfordshire, England.

Through USF’s institutional membership in the Institute of International Education, the Council on International Educational Exchange, and the American Association of State College and Universities, students may participate in study abroad programs in France, Spain, Italy, Mexico, Canada, and other countries.

Students who prefer independent study abroad, rather than the formal, institutional programs, may do so through the Off-Campus Term, (opposite page). The Off-Campus Term also offers an intersession program in Jamaica which is conducted three times each calendar year.

The programs described in this section are approved exchange programs and will be considered toward on-campus credits. Students who plan to participate in study abroad programs should consult their departmental advisers well in advance to determine whether the course of study they plan to pursue will be acceptable for meeting other degree requirements.

Information about these and other programs, as well as advising on study abroad, may be obtained from the Overseas Information Center in the College of Social and Behavioral Sciences.

**Florida College Exchange Program**

Through an exchange agreement, students of the University of South Florida, with the approval of their advisers, may elect courses in Greek, Hebrew, Bible, or religious education at nearby Florida College. Credit for acceptable work may be transferred to the University and counted as elective credit toward graduation. Students from Florida College have a similar transfer arrangement.

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

**Traveling Scholar Program**

The University System of the State of Florida has a Traveling Scholar program which will enable a graduate student to take advantage of special resources available on another campus but not available on his own campus; special course offerings, research opportunities, unique laboratories, and library collections. For procedures and conditions, refer to page 41.

**Academic Support and Services**

**University Library**

It is important that a library take into account not only the books on its shelves but also the people it serves. This point of view is central in the philosophy of the University of South Florida Library. A library is good, not because of the volumes it has, but because it is used by people who derive personal benefit from its use and who produce something as a result of its use that will be of benefit to our society.

The Library staff wants students to regard books as a way of life and use the Library regularly. One of the reasons for providing a library collection is to encourage students to buy, read and discuss books. The University expects students to become thoroughly familiar with the University Library book collection, to master the techniques of using it, and—before graduation—to achieve a familiarity with books which will carry over into later life.

The University Library has approximately 375,000 volumes and seating for 725 readers.
The Circulation Desk, Reserve Reading Room, Special Collections, a portion of the circulating book collection, and recreational reading books are located on the first floor. Special Collections include the Florida Collection, rare books, University Archives, and the Florida Historical Society Library.

The Reference collection and U.S. Government documents collection are located on the second floor. The Reference staff assists students in the use of Library materials and of the card catalog which is in the Reference department. The microfilm collection and the readers for these materials are also in the Reference room. The Library is a depository for U.S. Government publications; the Documents staff assists students in using the documents.

The balance of the circulating book collection is on the third floor. The periodicals collection is on the fourth floor. In addition to more than 3,000 periodicals, the Library subscribes to newspapers from Florida, major cities in the United States, and many foreign countries.

All books, with the exception of Reserve materials and Special Collections, are in open stacks. All students have the opportunity to become familiar with the Library holding by browsing in the stacks.

**Division of Sponsored Research**

Research is an important aspect of the educational programs of the University of South Florida. Faculty members are encouraged to pursue research activities, and many students participate in research and training projects supported by funds awarded to the University by public and private granting agencies. Research is integrated with the instructional program.

The Division of Sponsored Research is the central coordinating unit for research and other sponsored educational activities on the campus. It provides information about granting agencies and serves as a consultation center for faculty who desire help in drafting research proposals. All proposals seeking outside support are transmitted by this office.

Although the Division of Sponsored Research operates primarily for the benefit of the faculty, students who have an appropriate interest in research are welcome to visit the office.

**Computer Research Center**

The University is the host institution for a large scale digital computer facility which provides administrative, instructional and research computing support for the University of South Florida and for Florida Technological University at Orlando. This combined operation has been designated as the Central Florida Regional Data Computer Center within the State University System.

The Computer Research Center makes computing services available to users through its Office of Services, which establishes the required user project identifications, through Instruction and Research consultants, and, in the data systems area, through project teams consisting of Systems Analysts and Programmers. The staff also includes keypunch and computer operators and systems (software) technical specialists. The Center operates as a service facility, is centrally funded, and makes no charge for normal consulting and processing services.

Computing equipment includes an IBM 360/65 system, a plotter, remote batch job entry stations and other on-line keyboard terminals at various locations, in addition to tape and disk storage units at the central site. Remote access units are also located at the St. Petersburg campus. The Center, occupying the second floor of the Science Center, maintains keypunch, sorter and electronic calculators in ‘open use’ areas to enable students and faculty to prepare and check their programs and data. These areas are accessible in general on a 24-hour basis each day.

**Educational Resources**

The Division of Educational Resources offers the following services:

- **Audiovisual Services.** Audiovisual Services make a variety of equipment and instructional material available for the classroom, University events and other functions. Such equipment includes public address systems, tape recorders, and projectors of all kinds. Various types of audiovisual equipment can also be rented.
- **Production Services.** Graphic, photography, and cinematography services for use in the classroom as well as the overall University program are produced here.
- **Broadcasting Services.** Radio and television are a part of the Broadcasting Services. Radio WUSF is an FM stereo station operating on 89.7 mhz. WUSF-TV, Channel 16, UHF, is a non-commercial television station serving the University and the communities of the nine surrounding counties. These facilities are used as a laboratory for students enrolled in the broadcasting curriculum.
- **Instructional Materials Center.** The Center maintains a collection of records, filmstrips, filmloops, tapes, transparencies, maps, slides, and a curriculum library of elementary and secondary instructional materials. All items circulate to students and staff for study and recreational use.
- **Film Library.** A large collection of 16 mm films is maintained to support instruction. Preview, booking, scheduling and showing of films is offered. Films not a part of the University Film Library will be requested from other sources through this agency.
- **Learning Laboratory.** A telephone dial-access audiovisual laboratory is available for instructional purposes. Over 190 different audio programs are accessible at one time. A switchboard handles outside calls for audio programs. Video tapes, 16mm films, slides, and television programs make up the 12 video sources available in the laboratory. These programs may also be channeled to on-campus classrooms via the closed circuit capabilities of the Learning Laboratory.
- **Student Production Center.** The center offers both graphic and photo facilities for staff and student use.
DIVISION OF UNIVERSITY STUDIES

The Division of University Studies is the academic unit to which all new USF students are assigned for the first advising session unless they are transferring in 90 quarter hours or more and have formally declared a major. In addition to the responsibility for first advisement of all new lower level students, the division is responsible for the continuing supervision of all undecided (DUS) students until a choice of major is made, whereupon the student enters the college containing the major department. After the first advisory session students may at any time declare a major and move to the college to be advised. Those who have not decided upon a major may remain in the Division of University Studies until a maximum of 135 quarter hours are earned at which time a major must be selected.

As an administrative “home” for the undecided USF undergraduate student, the division is a college without a faculty or courses, a facility where the student receives the information, services and counsel necessary for effective decision-making in regard to his (or her) academic and professional future.

The Offices of Academic Advising, Testing and Advanced Placement (page 15), and USF-High School Relations (page 15) are part of the Division of University Studies. The division seeks the continual improvement and maximum utilization of these special student services. The division’s goal is to insure that all undergraduate USF students will progress toward graduation with optimal use of their time, interests, abilities and the resources of the University.

Office of Academic Advising

The centralized academic advising office of the Division of University Studies employs a well-informed, accessible group of advisers whose primary concern is to assist undecided students and new lower level students in acquiring information on which they can base their educational decisions. The advisers provide the advisee with an empathetic relationship concerned with the variety of academic problems troublesome to students.

The office also serves as an initial contact point for prospective students who are unfamiliar with the University structure and who need academic information about this institution. Since the decision about a major affects many aspects of a student’s present and future life, the advisers in the Division maintain close liaison with other areas so they will be better equipped to use information from them in relation to the function of academic advising. Some of these resources are the college advising offices, the Counseling Center for Human Development, the Student Career and Employment Center, and Financial Aids.

A series of group sessions are carried out to bring faculty members, students who are majoring in particular areas, and various other resource people to the students who desire information on particular topics. It is an opportunity for the colleges to recruit prospective majors from students who have not yet declared a major although the sessions are open to all interested lower level students, both decided and undecided. These meetings are also an effort to extend the orientation program so that new students have the opportunity to get whatever information they need at the time they need it.

Housed in the advising office is the Special Services Program which is concerned with the implicit as well as the explicit needs of minority students. There is a coordinator of this program whose responsibility is to help these students get whatever assistance they need in addition to their academic advisement.

Effort is also being directed to the special needs of the “above normal college age” student.

Two University-wide activities carried out in this office are waivers of general distribution requirements based on admission test scores and high school work, and checking of requirements for Associate of Arts Certificates.
DIVISION OF GRADUATE STUDIES

The Division of Graduate Studies is administered by a Director who coordinates the admission of graduate students to the University, advises on the budgetary request and internal allocation of state funds for the support of graduate training, administers graduate scholarships and fellowships, allocates graduate out-of-state tuition waivers, and certifies final approval of all graduate theses and dissertations.

The development of University policies and principles for graduate work is the responsibility of the Graduate Council. In addition, the Council exercises the right of inquiry and review to insure that high scholarly standards are being maintained. It is responsible for the establishment of University standards and regulations for graduate students and faculty. The Council also reviews all new graduate courses and degree programs and modifications to existing courses and programs. The membership of the Graduate Council includes the Chairman, one faculty member from each of the colleges, two graduate students, and four ex-officio members.

The Graduate Council

John C. Briggs (Chairman), Ph.D., Director of Graduate Studies and Professor of Biology

Sandra Arey, M.A. student, College of Social and Behavioral Sciences

Charles W. Fishel, Ph.D., Associate Dean, College of Medicine, Professor of Medical Microbiology

Rudolph E. Henning, Sc.D., Assistant Dean, College of Engineering, Associate Professor of Engineering

Wesley C. Houk, M.F.A., Associate Professor of Art

Stewart W. Kinde, Ph.D., Associate Professor and Director of Speech Pathology

William E. Morris, Ph.D., Professor of English

Robert J. Murphy, Ph.D., Associate Professor of Economics

Norman L. Oleson, Ph.D., Professor and Chairman of Physics

Ronald Register, Ph.D., student, College of Education

Albert E. Uprichard, Ph.D., Associate Professor of Education

Ex-Officio:

Ellen B. Kimmel, Ph.D., Chairman of Undergraduate Council and Associate Professor of Education

Robert Levitt, M.S., Assistant Director, Office of Admissions

Dennis Ribson, M.S.L.S., Reference Librarian

William H. Taft, Ph.D., Director of Research and Associate Professor of Geology

Admission to Graduate Study

Graduate students are advised to apply early as the University accepts applications one year in advance. Applications for which all credentials are not received by the deadline (see academic calendar pp 4-5) will not be considered for that term. Some departments admit graduate students only in the fall. If so, this fact is stated in the description of the requirements for the program. A $15 non-refundable application fee must accompany the application unless the student has been previously enrolled and has paid the fee at the University.

The minimum requirements for admission to graduate studies include:

1. A baccalaureate degree or its equivalence from an approved college or university. This requirement may be waived for students accepted into certain approved programs which lead directly to graduate degrees.
2. A "B" average (3.0 on a 4 point scale) or better in all work attempted during the last two years of undergraduate work (Junior and Senior years) or a total score of 1000 or higher on the Graduate Record Examination Aptitude Test. Applicants for the College of Business Administration (except Economics) must submit a score of 450 or higher on the Admission Test for Graduate Study in Business in lieu of the GRE. The GRE is given six times a year at a multitude of centers in the U.S. and in many foreign countries. Candidates must register for this examination at least four weeks in advance of the test date and should allow six weeks for the receipt of their test scores.
3. Acceptance by the college and the program for which the student is applying including satisfaction of any additional requirements specified by them in this bulletin.
4. Foreign Students are required to present satisfactory scores on the Test of English as a Foreign Language (TOEFL). Foreign students must also comply with requirements listed on pages 12-13.

Procedure for Applying

1. Applicants must submit application and fee prior to the deadline.
2. Two official transcripts from every institution of higher learning attended must be submitted directly to the Office of Admissions.
3. a. Admissions test results are required from every applicant. These must be sent directly to Graduate Admissions Office from the testing agency. (1) Graduate Record Examination Aptitude
Test. All applicants except those applying to Business Administration (see below), must submit scores from the GRE aptitude test taken within 5 years preceding application.

(2) Admission Test for Graduate Study in Business (ATGSB). All applicants to business administration, except those applying to Economics, must submit scores from the ATGSB. Those applying to Economics must submit scores from the GRE aptitude test (see above).

b. Postponement of Admission Test: If applicant has a grade point average of 3.0 or better in his last two years of undergraduate work but has not taken the GRE or ATGSB he may be admitted as a degree seeking student subject to receipt of satisfactory admissions test scores. Required test scores must be received before a second registration will be permitted.

4. If satisfactory scores are not received, the department or program will notify the student in writing that he is suspended from further work in that degree program and a copy of this letter will be furnished the Director of Graduate Studies.

A student’s acceptance to graduate standing is granted for the quarter and for the particular program specified in the official acceptance notification. In the event that a student wishes to change the date of entrance, he must notify the Office of Admissions of his intentions to do so. Failure to enroll during the specified quarter without notifying the Admissions Office will result in the cancellation of the admission and will necessitate re-application. A student’s acceptance to graduate standing will remain active for up to five years while he is in the Armed Services. A student should notify the Office of Records and Registration six weeks prior to re-registration in order to have his enrollment reactivated.

A graduate student enrolled for work in a program who wishes to change to another program must make formal application through the Office of Records and Registration.

If, on completion of one graduate degree, a student wishes to begin work on another advanced degree at USF, he must reapply at the Office of Admissions.

Special Students

Students who are qualified to enroll in specific graduate courses but who do not intend to work toward a graduate degree may enroll as special students. Special students may enter classes on a space available basis during the first week of each quarter by obtaining consent of the course instructor. Special students must meet all the stated prerequisites of courses in which they wish to enroll. Certain classes are available only to degree seeking majors and may not be available for special students. No more than 12 hours of credit earned as a special student may be applied to satisfy graduate degree requirements. Any application of such credit must be approved by the degree granting college and must be appropriate to the program.

Those interested in enrolling as special students are urged to contact the Coordinator of Graduate Studies in the College offering the courses concerned for a description of requirements and procedures.

The Traveling Scholar Program

The University System of the State of Florida has a Traveling Scholar program which will enable a graduate student to take advantage of special resources available on another campus but not available on his own campus.

Procedure

A Traveling scholar is a graduate student, who, by mutual agreement of the appropriate academic authorities in both the sponsoring and hosting institutions, receives a waiver of admission requirements and the application fee of the host institution and a guarantee of acceptance of earned credits by the sponsoring institution.

A traveling scholar must be recommended by his own graduate adviser, who will initiate a visiting arrangement with the appropriate faculty member at the host institution.

After agreement by the Director of Graduate Studies at the University of South Florida and the student’s adviser and the faculty member at the host institution, Deans at the other institution will be fully informed by the adviser and have authority to approve or disapprove the academic arrangement.

The student registers at the host institution and pays tuition and registration fees according to fee schedules established at that institution.
Conditions

Each university retains its full right to accept or reject any student who wishes to study under its auspices.

Traveling scholars will normally be limited to one Quarter on the campus of the host university and are not entitled to displacement allowance, mileage, or per diem payments. The sponsoring institution, however, may, at its own option, contribute to the financial support of the traveling scholar in the form of fellowships or graduate assistantships.

Graduate Assistantships and Fellowships

Applications for the University Scholar Fellowships and Graduate Council Fellowships are available from the Graduate Studies Office. Teaching and Research Assistantships are awarded by the individual departments.

The Graduate Programs

Master's Degree Programs

The University of South Florida offers curricula leading to the Master's degree in the following fields. The major code designations are listed in parentheses.

College of Business Administration:
- Accountancy (MAC)
- Business Administration (BUS)
- Economics (ECN)
- Management (MAN)

College of Education:
- Art Education (EDA)
- Elementary Education (EDE)
- English Education (ENE)
- Guidance (EDG)
- Humanities Education (HUE)
- Library Audiovisual Education (EDL)
- Mathematics Education (MAE)
- Modern Foreign Language Education—French, German, Spanish (MOE)
- Music Education (EDM)
- Physical Education (EDP)
- Reading Education (EDR)
- School Psychology (PSE)
- Science Education (SCE)
- Social Science Education (SSE)
- Speech Communication Education (SPH)

Junior College Education:
- Astronomy (AST90)
- Biology (BIO90)
- Business (BUS90)
- Chemistry (CHM90)
- Economics (ECN90)
- Engineering (EGP90)
- English (ENG90)
- French (FRE90)
- Geography (GPY90)
- Geology (GLY90)
- History (HTY90)
- Mathematics (MTH90)
- Physics (PHY90)
- Political Science (POL90)
- Psychology (PSY90)
- Sociology (SOC90)
- Spanish (SPA90)
- Speech Communication (SPE90)

Special Education
- Emotionally Disturbed (EMD)
- Gifted (GIF)
- Mental Retardation (MRD)
- Speech Pathology Education (ESP)
- Speech Pathology Education—5 year program (SPY)*
- Varying Exceptionalities (EVX)
- Vocational Education
- Adult Education (VAD)
- Business and Office (VBU)
- Distributive (VDE)
- Industrial-Technical (VIT)

College of Engineering:
- Electrical Engineering—Post Baccalaureate (EGM)
- Engineering—Post Baccalaureate (EGP)
- Engineering—5 year program (EGG)*
- Engineering Administration—Post Baccalaureate (EGM)
- Engineering Science (EGC)

College of Fine Arts:
- Art (ART)
- Music (MUS)

College of Language and Literature:
- English (ENG)
- French (FRE)
- Spanish (SPA)
- Linguistics (LIN)
- Speech Communication (SPE)

College of Natural Sciences:
- Astronomy (AST)
- Mathematics (MTH)
- Botany (BOT)
- Microbiology (MIB)
- Chemistry (CHM)
- Physics (PHY)
- Geology (GLY)
- Zoology (ZOO)
- Marine Science (OGY)

College of Social and Behavioral Sciences:
- Aging Studies—Gerontology (AGE)
- Audiology—Post Baccalaureate (AUD)
- Audiology—5 year program (AUF)*
- Geography (GPY)
- History (HTY)
- Political Science (POL)
- Psychology (PSY)
- Rehabilitation Counseling—Post Baccalaureate (REH)
- Rehabilitation Counseling—5 year program (REF)*
- Sociology (SOC)
- Speech Pathology—Post Baccalaureate (SPP)
- Speech Pathology—5 year program (SPF)*

*Available only to non-baccalaureate degree holders.
Intermediate Program
The University of South Florida offers a curriculum leading to the Education Specialist degree in the following field:
  College of Education:
    Education (EDU)

Professional Programs
The University of South Florida offers a curriculum leading to the M.D. degree in the following field:
  College of Medicine:
    Medicine (MED)

Regulations Governing Graduate Study

Major Professor
An adviser or major professor will be appointed for the student in his first term of work and will be designated by the chairman of the department or area in which the degree is sought upon a mutual recommendation from the student and professor concerned.

Quality of work
Graduate students must attain an overall average of 3.0 (B) in all courses. No grade below "C" will be accepted toward a graduate degree, but all grades will be counted in computing the overall average.

Any graduate student who at the end of a quarter is not in good standing under the requirements for his degree as published shall be considered to be on probationary status. Such a student may be dropped from degree seeking status after one quarter of probation by the dean of his college. Notification of probation shall be made to the student in writing by his major professor, with a copy to the college dean. At the end of the probationary quarter, the major professor shall recommend to the college dean, in writing, one of three alternatives: (1) removal of probationary status; (2) continued probation; or (3) drop from degree program. Every effort will be made during the probationary period to aid the student in reestablishing his standing.

Appeals
Graduate students may appeal actions regarding their academic status:
1. In actions based on departmental requirements, the student may appeal first to his department through his major professor, then to the college dean or his representative, and then to the Graduate Council if necessary.
2. In actions based on the University minimum requirements, appeal shall be made directly to the Graduate Council.

Enrollment Requirements — Minimum University Regulations
A student taking nine or more hours of graduate work in a full quarter will be classified as a full-time student. The normal graduate load is 12-15 credit hours.

Students who continue to occupy space and to receive faculty supervision, but who have not made a final thesis submission at the start of a quarter, shall register for a minimum of 3 hours. The exact number of hours is determined by staff and facilities needed to support the student.

Graduate Teaching and Research Assistants who work one third time or more shall pursue a full-time course load each quarter. Exceptions may occur but only after careful review by the Department Chairman and concurrence by the College Dean and Director of Graduate Studies.

Master's candidates shall not be employed on grants in excess of two years. Exceptions to this shall require approval of the College Dean and the Director of Graduate Studies.

Transfer Credit
Transfer of credit from another recognized graduate school is limited to nine quarter hours. All transferred credit must (1) be approved by the program or college concerned, and (2) have been completed with grades of "B" or better.

Transfer credits must be posted to the student’s permanent record no later than one full term prior to his graduation. It is the student’s responsibility to make certain that his department properly notifies the Office of Records & Registration regarding transfer credits.

Change of Graduate Degree Program
A student who wishes to change his advanced degree program must obtain a Graduate Change of Program/Degree Status Application from the Office of Records and Registration. The change of program is completed upon acceptance of the student by his new department.
Application for Degree

Each student who plans to complete his graduate requirements by the end of a term must complete the Application for Graduation within 15 class days after the beginning of that term. The application is available at, and after completion must be returned to, the Office of Records and Registration.

S-U Grades in the Graduate Programs

No graduate student may take a course in his major on an S-U basis except for certain courses such as seminars, theses, research projects, practicum, and internship that are specifically approved by the Graduate Council to be given on this basis. The student may apply a maximum of 6 hours of such credit in his major (excluding Research, Design, Practicum, or Internship) toward a master’s degree. A graduate student can take courses outside his major on an S-U basis even though the courses are in fulfillment of the degree requirements. To do so, he must have prior approval of the professor of the course, his major professor and the Dean of the College who will approve his degree.

Other procedures involving grades such as drops, withdrawals, audits, etc. are the same as those used for undergraduates (see pp. 28-29).

Exclusions

Members or former members of the faculty who hold or have held the rank of Assistant Professor, Associate Professor, or Professor are not eligible to be granted degrees from the University of South Florida except upon prior authorization of the Graduate Council, and approval of the Vice President for Academic Affairs.

In cases where the immediate family of the faculty are enrolled in graduate degree programs, the faculty member may not serve on any advisory or examination committee nor be involved in any determination of academic or financial status of that individual.

Faculty Eligibility

In order to teach a graduate course at the University of South Florida, a person must have a current USF faculty appointment. The director of a thesis or dissertation must be a USF faculty member with an advanced degree, or equivalent professional qualifications, appropriate to the required level of supervision.

Master’s Degree

Program of Study and Course Requirements

During the first term of study, in consultation with his major professor, the student should plan a program of work to be completed for satisfaction of degree requirements. A copy of this program signed by the student and professor should be maintained in the student’s department file.

A minimum of 45 quarter hours is required for a master’s degree, at least 24 hours of which must be at the 600 level. At least 30 hours must be in formal, regularly scheduled course work, 15 of which must be at the 600 level. Courses at the 500 level are acceptable for credit toward the master’s degree when taken as a part of a planned degree program.

A major professor may approve up to 8 hours of 400-level courses if taken as part of a planned degree program. Additional graduate credit may be earned in 400-level courses only if specifically approved by the appropriate dean and by the Graduate Council. Students enrolled in undergraduate courses as a part of their planned degree program will be expected to demonstrate a superior level of performance.

Supervisory Committee

Students working toward a thesis degree will have the benefit of a supervisory committee. The committee, consisting of the major professor and at least two other members of the department or area in which the degree is sought, will be appointed by the appropriate chairman upon recommendation from the student and his major professor. Notification of the committee appointment will be sent to the Dean of the College and to the Director of Graduate Studies. The committee will approve the course of study for the student, supervise his research, and accept his thesis.

Time Limit

All work applicable to the master’s degree requirements must be completed within the seven years immediately preceding the awarding of the degree.

Final Comprehensive Examination

Prior to clearance for the degree, the candidate must perform satisfactorily on a comprehensive examination in his major field.

Thesis

When a thesis is required, an original and one copy of the approved thesis must be submitted to the Director of Graduate Studies at least three weeks before the end of the quarter in which the student is to receive his degree. Only after the thesis and the copy have been approved for filing in the University Library can the student be certified for his degree. The thesis should conform to the guidelines in the Handbook of Graduate Theses and Dissertations available in the University Bookstore.

Second Master’s Degree

A second master’s degree may be granted so long as there is no duplication of credit. If there is any duplication of credit, the request must be considered by the Graduate Council.
Ph.D. Degree

The degree of Doctor of Philosophy is granted in recognition of high attainment in a specific field of knowledge. It is a research degree and is not conferred solely upon the earning of credit and completion of courses or by the acquiring of a number of terms of residency. The amount of residence and the requirements suggested below are a minimum. The degree shall be granted on evidence of proficiency and distinctive achievement in a specified field, by the demonstration of the ability to do original independent investigation and the presenting of these findings with a high degree of literary skill in a dissertation.

Supervisory Committee

A student working toward the Ph.D. degree must elect to do the majority of his work in a specifically approved area or department, and the remainder of his work in related fields. As soon as possible, normally during the first term of residency and upon recommendations from the student and his major professor, a supervisory committee shall be appointed for the student by the chairman of the department or area in which the degree is sought. Notification of the committee appointment will be sent to the Dean of the College and to the Director of Graduate Studies.

This committee shall approve the course of study to be followed by the student, conduct his comprehensive qualifying examinations, supervise his research, and conduct his final oral examination. The major professor shall serve as chairman of the committee up to the final oral examination. This committee shall certify to the dean of his college when all requirements have been met. The supervisory committee shall consist of at least five members, at least three of which must come from the area in which the major work for the degree will be done.

Language Requirement

Before a student is eligible to take the comprehensive qualifying examination, he must normally have completed a reading knowledge of two foreign languages. However, special work done outside the student's field of concentration and related subjects may be substituted for one or both languages, provided this exception is recommended by the student's supervisory committee and approved by his department's Graduate Committee.

Residency

The minimum requirement shall be three academic years of work beyond the bachelor's degree. At least one academic year of residence must be on the campus at the University of South Florida. An academic year's residency shall be defined as a minimum of nine hours of graduate work per term, or the chairman of the student's supervisory committee may certify that the student be considered as in full-time residence. The student must pay the full registration fee. Any graduate work counted toward the fulfillment of the requirement of the Ph.D. degree after admission to candidacy must be done within a seven-calendar-year period.

Comprehensive Qualifying Examination

At least one academic year before the degree may be granted, the student must pass a written comprehensive qualifying examination over the subject matter of his major and related fields. An oral examination may also be required by his committee. The completion of the comprehensive qualifying examination before midterm will allow that term to be counted in full toward the academic year required. If the degree is not conferred within five calendar years of the comprehensive examination, the examination must be taken again.

Admission to Candidacy

A graduate student does not become a candidate for the Ph.D. degree until he is formally admitted to candidacy. This admission is granted when the supervisory committee certifies that the student has successfully completed his comprehensive qualifying examination and in the opinion of his committee he has demonstrated the qualifications necessary to successfully complete his requirements for the degree. The certificate of admission shall be issued by the Dean of his college through the Director of Graduate Studies.

Dissertation

At least two weeks prior to the final oral examination and at least three weeks before the end of the quarter in which the student is to receive his degree, a candidate must submit to the Director of Graduate Studies a typewritten original and one copy of a completed dissertation that has been signed by his committee. An abstract is also required. Upon approval of the dissertation by the Director, the student will be certified for his degree. The two copies of the dissertation will then be deposited in the University Library. Each dissertation will be microfilmed with the student being assessed a fee for this service. The dissertation should conform to the guidelines in the Handbook of Graduate Theses and Dissertations available in the University Bookstore.

Final Oral Examination

The final oral examination in general shall be a defense of the student's dissertation; however, other areas of the student's work may also be included as part of this examination. It shall be conducted by his supervisory committee, but shall be chaired by a person, appointed by the Dean of his College, other than the major professor and outside the committee.
The College of Business Administration offers courses of study leading to both undergraduate and graduate degrees. These programs are designed to prepare individuals for business and government careers, and graduate education. It is the philosophy of the College of Business Administration to devote its resources to the continued growth of high quality undergraduate and graduate programs.

The undergraduate curriculum leads to a Bachelor of Arts Degree in one of the following five major fields: Accounting (ACC), Economics (ECN), Finance (FIN), Management (MAN), and Marketing (MKT). The undergraduate programs are structured to accomplish the following objectives:

1. To give the student a broad foundation in general and liberal education, a thorough grounding in basic business courses, and some specific competence in at least one significant functional area of business.
2. To strengthen students' powers of imaginative thinking, creative, independent analysis, and sensitiveness to social and ethical values.
3. To instill in each student a desire for learning that will continue after he has graduated and taken his place in the community.
4. To convey to each student the spirit of pioneering, risk-taking and progress which are essential to the continued development of the free enterprise system.

The graduate programs in the fields of Accounting (MAC), Business (BUS), Economics (ECN), and Management (MAN), are structured to accomplish the following objectives:

1. To make professional education available to those qualified individuals who have selected specific career objectives in fields of business, government or education.
2. To support adequately the research activity so vitally necessary to maintain a quality graduate faculty and program.
3. To foster independent, innovative thinking and action as a professional individual.

Baccalaureate Level Degree Programs

Admission to the College

Students who are admitted to the University of South Florida and are currently in good academic standing may be admitted to the College of Business Administration by filing an intent to major in an undergraduate business degree program.

Transfers from Junior Colleges: Junior college students should complete the program of general education as required by the junior college. Certification to this effect will be accepted as fulfilling the general distribution requirements of the University of South Florida. Furthermore, the student should follow the business parallel program indicated in his junior college catalog, to assure graduation from the University of South Florida in minimum time. Should the junior college catalog not specify pre-business courses, we recommend the student take two semesters of mathematics, two semesters of economics, two semesters of accounting, and one semester of statistics while still at the junior college.

Business is requiring more and more analytical functions of its management-level personnel each year. One of the most basic analytical tools is mathematics and more and more higher mathematics is being required as prerequisite for business courses. The student is therefore encouraged to complete more than the minimum requirements of mathematics and add beginning calculus to his curriculum at the junior college.

All transfer students, particularly those not pursuing the parallel program should note that a maximum of nine quarter hours will be allowed for courses taken during the first two years of junior college study which are available only as 300 and 400 level courses in the College of Business Administration at the University of South Florida. However, of these nine hours no more than five quarter hours may be transferred for credits in the student's major field.

Transfers from Non-Junior Colleges: Students attending a four-year college who wish to transfer should follow a program in general education similar to that required at the University of South Florida. The prerequisite courses in business subjects of accounting principles, economics principles, and mathematics should also be included in the first two years of study. Transfer credit will be allowed for all of the above courses. Any remaining courses after fulfilling the general education requirements and business prerequisites should be taken in such areas as mathematics, the natural sciences, the social sciences, and the humanities.

Business Prelaw: Those students intending to enter a law school after obtaining a baccalaureate degree in a business major should so indicate on their application to the College. Special counseling will be provided. Unless a specific degree (Accounting, for example) is desired, an explicit Pre-Law interdisciplinary set of existing courses will be arranged under the Finance major.
General Requirements for Degrees

The general graduation requirement is 180 academic hours.

Of the 180 hours, the Business course credits may vary from 87 minimum to 100 maximum. Consequently, non-business courses may vary from 93 to 80. This variance depends upon the major field chosen and differences in the mix of General electives and Business electives. If the student enters USF as a freshman, his requirements for graduation in the College of Business Administration are:

1. 60 hours of General Distribution Courses distributed over five areas (See below);
2. 20-27 hours of General electives to be chosen from courses not listed in the General Distribution areas;
3. 53 hours of Business Core, which includes 9 hours of Accounting (ACC 201, 202, 305); 8 hours of Economics (ECN 201, 202); 5 hours of Intermediate Price Theory (ECN 301); 8 hours of Statistics (ECN 231, 331); 5 hours of Finance (FIN 301); 5 hours of Management (MAN 301); 5 hours of Marketing (MKT 301); 5 hours of Law (GBA 361); 3 hours of Computer Application (GBA 333);
4. 20-27 hours in the major area as stipulated under each major with a 2.0 GPR in these courses; and
5. 7-20 hours of Business electives.
6. College Level Examination Program (CLEP) may be substituted for course work in the General Distribution area and some courses in the Business Core. For specific details see page 31.

General Distribution Requirement

There is a total of 41 quarter hours of minimum area requirements leaving 19 additional hours of course work to be completed in the five areas listed. Students may satisfy these remaining 19 hours by choosing any combination of courses not already taken, but listed in the five areas. Minimum hours and acceptable courses for each area follow:

**Area I—English Composition (9 credit hours, minimum)**
- ENG 101 Freshman English (3)
- ENG 102 Freshman English (3)
And a minimum of one course from the three below:
- ENG 103 Freshman English (3)
- ENG 350 Advanced Expository Writing (4)
- ENG 351 Narration or Description (4)

**Area II—Humanities/Fine Arts (8 credit hours, minimum)**
- HUM 308 Humanities (4)
- HUM 315 Humanities (5)
- HUM 316 Humanities (5)
- HUM 317 Humanities (5)
- PHI 301 Basic Philosophy I (4)
- PHI 303 Logic (5)
- PHI 311 Basic Philosophy II—Value and Society (4)
- Area III—Mathematics/Quantitative Methods (8 credit hours, minimum)
- MTH 122 College Algebra or
- MTH 211 Calculus I (4)
- MTH 212 Calculus II (4)
- MTH 213 Calculus III (4)
- MTH 311 Matrices & Applications (4)
- Area IV—Natural Sciences (8 credit hours, minimum)
Minimum of one course from the eight below:
- BIO 205 Foods, Drugs & Medicine (4)
- BIO 206 Genes and People (4)
- BIO 207 Environment (4)
- BIO 255 Sex, Reproduction & Population (4)
- BIO 256 Evolution (4)
- BIO 257 Readings in Biology (4)
- BOT 371 Plants & Man (4)
- BOT 372 Man, Microbe, & Molecule (4)

Minimum of one course from the eight below:
- PHS 208 Physical Science I (4)
- PHS 209 Physical Science II (4)
- PHS 210 Explorations in Physical Science (4)
- CHM 371 Modern Chemical Science (4)
- PHY 371 Contemporary Physics (5)
- AST 371 Contemporary Thinking in Astronomy (5)
- GPy 371 General Geography (5)
- GLY 371 Geology of our Nation’s Parks (4)

**Area V—Social and Behavioral Sciences (8 credit hours, minimum)**
- PSY 201 Introduction to Psychology (5)
- SOC 201 Introduction to Sociology (4)
- SOC 331 Social Psychology (4)
- SSI 201 Behavioral Science (4)
- SSI 202 Behavioral Science (4)
- SSI 383 Behavioral Science (2-5)
- ECN 100 Contemporary Economic Problems (5)

Students transferring with General Distribution requirements meet need not adhere to the General Distribution hours but rather need total non-business courses within the range of 80-93 hours. Business course requirements are the same as those for an entering freshman. Students transferring in an excess of six quarter hours of Elementary Accounting must still complete ACC 305 in the Business Core. The extra hours of Elementary Accounting transferred will apply toward the Business electives requirements. Those bringing Elementary Statistics will receive credit for ECN 231. Extra hours of Elementary Statistics will apply toward business electives requirements. These students, however, must take ECN 331 unless the equivalent has been taken at a senior institution.

Master’s Level Degree Programs

Courses are offered in the College of Business Administration leading to one of four Master’s degrees — the Master of Accountancy (MAC), the Master of Arts in Economics (ECN), the Master of Business Administration (BUS): concentrations are available in all departments, and the Master of Science in Management (MAN). Applicants must meet the University minimum requirements. However, for programs in this College
The number of additional courses deemed necessary will account for the 450 on the Admission Test for Graduate Study in Business (ATGSB) is required instead of the Graduate Record Examination. Applicants whose ATGSB score is below 450 or whose grade point ratio is below 3.0 for the last half of undergraduate work will be admitted only for exceptional reasons.

For programs in this College (with the exception of the M.A. in Economics), the prerequisite courses are as follows:

ACC 201 (3) and 202 (3) or ACC 501 (3)
ACC 305 (3) or ACC 502 (3)
ECN 201 (4) or ECN 501 (3)
ECN 202 (4) or ECN 502 (3)
ECN 231 (3)
ECN 331 (5) or ECN 503 (3)

Programs and Curricula

**ACCOUNTING (ACC/MAC)**

This program is designed to prepare students for entry into the fields of public accounting, private accounting, and accounting in the public sector.

Requirements for the B.A. Degree (ACC):

Students in this program must take 27 credits in upper level accounting, 33 credits in the Business Core, and 7-20 credits in Business electives. It is strongly recommended that all accounting students take either GBA 371, Business Communications, or ENG 351, Advanced Expository Writing.

Required Accounting Courses (27 credit hours)

ACC 301, 302 (5, 5) ACC 421 (5)
ACC 411 (3) ACC 423 (3)

Plus 6 credits from the following:

ACC 401 (3) ACC 413 (3)
ACC 402 (3) ACC 424 (3)
ACC 405 (3) ACC 425 (3)
ACC 412 (3)

Requirements for the Master of Accountancy Degree (MAC):

It is assumed that students applying for admission to this program will have a baccalaureate degree in the area of Business Administration which includes a minimum of 36 quarter hours credit in accounting. Students applying for admission who do not meet these prerequisites will be required to take additional courses. The number of additional courses deemed necessary will depend on the academic background of the individual student, and may vary from 27 quarter hours for a non-accounting business major to 61 quarter hours for a non-business major.

The program requires that the student satisfactorily complete a total of 48 credit hours. This includes 36 credits in a required core plus 12 elective credits to be selected by the student in consultation with his adviser.

Required Core Courses (36 cr. hrs.)

| ACC 605 (3) | GBA 603 (3) |
| ACC 606 (3) | GBA 605 (3) |
| ACC 607 (3) | GBA 605 (3) |
| ACC 611 (3) | ECN 605 (3) |
| ACC 621 (3) | MAN 602 (3) |
| ACC 623 (3) | FIN 601 (3) |

FIN 301 (5) or FIN 501 (3)
MAN 301 (5) or MAN 501 (3)
MKT 301 (5) or MKT 501 (3)

College Level Examination Program (CLEP) tests may be taken to meet these prerequisites in Accounting, Basic Statistics, Management, and Marketing.

Courses in the College of Business Administration numbered 501-509 are ineligible for credit in graduate programs of this College.

Graduate students must maintain an overall grade point ratio of 3.0 (B) in all courses; they must, in addition, maintain an overall 3.0 (B) grade point ratio in all courses taken for Master’s degree credit. Students must perform satisfactorily in a comprehensive examination after completion of all coursework.

Elective Courses (12 cr. hrs.)

These courses are to be selected by the student in consultation with his adviser. No more than six of the elective hours may be taken in the accounting area.

**BUSINESS ADMINISTRATION (BUS)**

Requirements for the Master of Business Administration Degree:

The M.B.A. program requires that a student satisfactorily complete a total of 48 credit hours beyond the prerequisites for graduate admission. These 48 hours include:

| ACC 601 (3) | GBA 605 (3) |
| ACC 602 (3) | GBA 615 (3) |
| ECN 605 (3) | MAN 601 (3) |
| ECN 607 (3) | MAN 602 (3) |
| FIN 601 (3) | MKT 601 (3) |
| FIN 602 (3) | MKT 602 (3) |
| GBA 603 (3) |

plus 9 elective credits in coursework selected with the approval of the Director of Graduate Studies of the College of Business Administration.

**M.B.A. with Emphasis in Finance**

Students seeking a graduate education with a concentration in the field of finance should enroll in the Master of Business Administration program. Students take the 39 credit hours of core courses required by the general M.B.A. program. The 9 elective hours will be taken in the area of finance, or a combination of finance and other approved courses. A maximum of 15 hours of finance is available since students will take FIN 601 or 602 as a part of the graduate core. Although a thesis is not required, graduate research projects are possible under FIN 673.

**M.B.A. with Emphasis in Marketing**

This specialized concentration provides the opportunity for students to develop knowledge and proficiency in the field of marketing while acquiring a useful understanding of the other major functional areas of business, the environment within which the firm
operates, and the tools of analysis essential for making sound marketing decisions. This concentration allows students to have specific objectives and to broaden their employment opportunities in marketing and other business fields.

Students desiring a marketing emphasis should enroll in the M.B.A program. The emphasis in marketing requires the completion of a minimum of 48 hours of graduate level courses including 15 hours of marketing courses. Students are required to take MKT 601 (3) and 602 (3), and select their elective courses (9 hours) from the following list in consultation with a marketing adviser:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTK 603</td>
<td>(3)</td>
</tr>
<tr>
<td>MTK 605</td>
<td>(3)</td>
</tr>
<tr>
<td>MTK 607</td>
<td>(3)</td>
</tr>
<tr>
<td>MKT 609</td>
<td>(3)</td>
</tr>
<tr>
<td>MKT 611</td>
<td>(3)</td>
</tr>
<tr>
<td>MKT 683</td>
<td>(1-6)</td>
</tr>
</tbody>
</table>

### ECONOMICS (ECN)

The Department of Economics is committed to preparing the student with an understanding of economic theory and a knowledge of economic reality. The objective of the department is to combine rigorous training in the body of existing economic theory with an awareness and understanding of fundamental changes taking place in the economies of the U.S. and foreign countries. It thus emphasizes training in the discipline of what is known and empirical investigation into what is unknown or partially known.

#### Requirements for the B.A. Degree:

Students in this program must complete 27 credits in upper level Economics, 53 hours of Business Core, 7-20 credits in Business electives. Of the 27 credit hours in upper-level Economics, students are required to take the following courses:

- ECN 323 (5)
- ECN 401 (5)

#### Requirements for the M.A. Degree:

The applicant's undergraduate training should reflect a strong background in economic theory, supplemented with mathematics and statistics. An undergraduate major in economics is not required. Serious background deficiencies may require additional coursework.

The student in the M.A. program in Economics must complete a minimum of 45 credit hours in a curriculum which comprises four parts: (1) core courses, (2) Economics electives, (3) General electives, and (4) a thesis.

1. The required core courses include the following 14 credit hours:

   - ECN 602 (5)
   - ECN 603 (3)
   - ECN 605 (3)
   - ECN 607 (3)

2. The Economics electives involve a minimum of 15 credit hours, 5 of which must be earned from the following group:

   - ECN 561 (5)
   - ECN 623 (5)
   - ECN 625 (5)

#### Requirements for the M.A. Degree in Economics:

A minimum of 10 additional elective credit hours in economics must be earned from the following group:

- ECN 519 (4)  ECN 604 (3)
- ECN 520 (4)  ECN 610 (5)
- ECN 531 (5)  ECN 623 (5)
- ECN 561 (5)  ECN 625 (5)
- ECN 601 (3)  ECN 683 (1-6)

3. To satisfy the general elective requirement, the student should earn a maximum of 10 hours of elective credit in coursework outside of the area of economics, selected with his adviser’s approval.

4. Depending upon the degree of difficulty or complexity involved, thesis credit may range from 6 to 9 credit hours.

### FINANCE (FIN)

#### Requirements for the B.A. Degree:

Students in this program must complete 20-27 credits in upper level Finance, 53 hours of Business Core, and 14-27 hours of Business electives.

**Required Finance Courses (20-27 cr. hrs.)**

- FIN 321 (4)
- FIN 411 (4)
- FIN 421 (4)

Plus 8-15 additional credits of upper level Finance courses.

**Finance — Pre-Law:**

A minimum of 20 hours of Finance courses as listed above with 14-27 hours of Business electives chosen with consent of adviser to specifically meet the needs of the student.

### MANAGEMENT (MAN)

Management offers an array of courses intended to provide for the student a variety of insights regarding the theory and practice of managing organizations.

#### Requirements for the B.A. Degree:

Management students must take 27 credits in upper level Management, 53 credits of Business Core, 7-20 credits of Business electives.

It is strongly recommended that students include courses in Calculus, Speech, Psychology, Sociology, and Political Science in their General electives.

**Required Management Courses (27 credit hours)**

- MAN 312 (4)
- MAN 322 (4)
- MAN 332 (4)
- MAN 499 (3)

Plus 12 credits from the following courses:

- MAN 341 (3)  MAN 463 (3)
- MAN 421 (3)  MAN 465 (3)
- MAN 431 (3)  MAN 471 (3)
- MAN 451 (3)  MAN 472 (3)
- MAN 453 (3)  MAN 473 (3)
- MAN 461 (3)  MAN 489 (1-4)

#### Requirements for the Master of Science Degree in Management:

The Master of Science program in Management builds specialized skills in characterizing and solving problems of administrative decision and action. Its
foundations are behavioral science and quantitative analysis. While admission standards coincide with those of the M.B.A. program, the curriculum is distinct. Courses reveal the motivational and logical structures which underlie the various functional contexts in which managerial behavior evolves. Additionally, courses are designed to foster proficiency, rigor, and independence in applied research. Supervised selection and systematic investigation of a significant problem is an integral part of the curriculum.

The program requires completion of not less than 48 credit hours in coursework, and satisfaction, by enrollment or waiver, of the following requirements:

1. Course work in administrative studies outside the field of Management, consisting of:
   - ACC 601 (3) FIN 601 (3)
   - ECN 605 (3) GBA 603 (3)
   - or GBA 605 (3)
   - ECN 607 (3) MKT 601 (3)

2. Ten graduate courses in Management, consisting of:
   - MAN 601 (3) MAN 607 (3)
   - MAN 602 (3) MAN 615 (3)
   - MAN 603 (3) MAN 699 (6)
   - plus four management electives.

On the basis of their academic backgrounds students may apply for waivers to the Director of Graduate Studies of the College of Business Administration.

### MARKETING (MKT)

**Requirements for the B.A. Degree:**

Majors in Marketing are required to take 27 credits in upper level marketing, 53 credits in Business Core, and 7-20 credits in Business electives. It is recommended that students choose general electives in Calculus, Mass Communications, Psychology, Sociology, and Speech.

**Required Marketing Courses (27 credit hours)**

- MKT 312 (3)
- MKT 315 (4)
- MKT 411 (4)
- MKT 413 (3)
- MKT 419 (4)

Plus 9 credits from the following courses:

- MKT 311 (3) MKT 407 (3)
- MKT 316 (3) MKT 409 (3)
- MKT 401 (3) MKT 414 (3)
- MKT 403 (3) MKT 417 (3)
- MKT 405 (3) MKT 489 (3)

Any substitutions for the immediate above courses must be approved in writing by the adviser and the chairman of the Marketing Department.
COLLEGE OF EDUCATION

The College of Education places an emphasis on each student learning what is relevant for the world of today and on his getting deeply involved in his own educational process. Thus, the emphasis is on the student learning to do his own thinking about himself and his universe.

The College of Education is committed to a continuous and systematic examination of the professional program of teacher education. Promising programs are examined experimentally under controlled conditions, which make possible an objective appraisal of effects in terms of learning outcomes.

The University of South Florida follows a University-wide approach to teacher education. Its programs for the preparation of teachers represent cooperative effort in planning and practice by faculties of all academic areas, coordinated through the University Council on Teacher Education. Courses needed by teacher candidates but designed also for other students are offered outside the College of Education. Courses in the University which are primarily designed for teacher candidates are taught by the College of Education.

In the total teacher education program there is a special concern for developing in the student a deep interest in intellectual inquiry and the ability to inspire this interest in others. It is the task of the College of Education to give leadership to the instruction in subject matter and process, which means the total teacher education program.

BACCALAUREATE LEVEL DEGREE PROGRAMS

The undergraduate teacher education program leads to the Bachelor of Arts degree. It is an upper division program.

Admission to the College

While each student admitted to the University is expected to have the qualifications to graduate, this does not necessarily mean that he has the qualifications to become a teacher.

The College of Education administers the admission policies to all teacher education programs of the University, as well as those for the College itself. All students who plan to teach must apply for admission to a teacher education program through the Central Advising Office of the College of Education.

Prospective secondary and K-12 teachers are enrolled in teacher education programs involving both the College of Education and various other colleges of the liberal arts areas.

Students who have completed successfully the two-year Associate of Arts program at a junior college and other transfer students who have earned at least 90 quarter hours should apply for official admission to teacher education programs during their first quarter in residence.

Admission to the upper level teacher education program is contingent upon meeting the following minimum requirements:

1. Completion of a College of Education upper level application form.*
2. Completion of the General Distribution requirements for Education majors. Provisional admission may be granted if no more than three individual General Distribution courses remain to be taken, provided Freshman English has been completed.
3. Completion of a minimum of 90 quarter hours (excluding P.E.B. hours).
4. An overall grade point ratio (GPR) of 2.0.
5. Additional criteria at the discretion of the admissions and selections committee (i.e. medical center, student affairs, speech and hearing clinic, etc.).

Handicapped Students: Application will be reviewed by the admission committee. Acceptance of the application of the student will be determined by the following:

1. The judgment of the committee that the student will be able to carry out the duties of a teacher.
2. An assurance from the public schools that an internship contract will be offered.

Admission to Supervised Teaching Experience

The supervised teaching experience is a minimum of 12 credits of observation and supervised teaching in elementary or secondary schools. Time and sequence of experience may vary among programs. (Refer to the specific program for further information.)

Special requirements for enrollment in the supervised teaching and seminar courses are:

1. Admission to the College of Education.
2. Completion of an application for supervised teaching.
3. Completion of the professional education sequence and at least two-thirds of teaching specialization with a minimum 2.0 grade point ratio in each.
4. An overall 2.0 grade point ratio.

*Deadline: The student should initiate his application with the College of Education Central Advising Office (EDU 112) no later than the second week of the quarter in which he is eligible for admission.
Application for student teaching should be made two quarters prior to term in which experience is desired, and may be obtained in the Student Teaching Office.

Fall Quarter (I) applications are due by last week of the Winter Quarter (II) of the previous school year. Winter Quarter (II) applications are due by last week of the Summer Quarter (IV) of the previous school year.

Spring Quarter (III) applications are due by last week of the Fall Quarter (I) of the same school year. Summer Quarter (IV) applications are restricted to students who are completing their master's degrees and to those who hold a valid bachelor's degree and are seeking certification. Students in this category should file applications during the first 14 days of the Spring Quarter (III) of the same school year.

**College Requirements for Graduation**

A student to be certified by the College of Education as having completed its requirements must have earned 180 credit hours (excluding PEB) with a minimum overall grade point ratio of 2.0. An average of 2.0 or better also must be made in the student's professional education sequence and in his teaching specialization courses. Satisfactory completion of supervised teaching is required. A student must also have completed the major requirements in an approved teaching program (which includes general preparation, teaching specialization, and professional preparation). A minimum of 12 credits in professional courses in addition to internship and 18 credits in specialization courses must have been earned in residence. The student must complete a minimum of 45 hours after admittance to an upper level program.

**Specific Requirements**

A minimum of 180 credit hours including the following:

- General Distribution .................. 60 credit hours
- Professional Education Core .......... 36-44 credit hours
- Teaching Specialization ................ 41 to 73 credit hours

**Degree Validation and Certification Programs**

**Validation**

Baccalaureate and master's degrees received from non-accredited schools which are listed in the Education Directory of the U.S. Department of Health, Education, and Welfare may be validated. Before beginning course work for validation, the degree holder must submit a planned program to the Certification Advising Office in the College of Education. The program will consist of a minimum of 18 quarter hours. To validate a baccalaureate degree the 18 credits must be in the upper division and/or graduate work with no grade below "C." To validate a master's degree the 18 credits must be in 600-level courses with no grade below "B."

**Certification**

A person who has previously earned a bachelor's degree and has a desire to satisfy teaching requirements may enroll in courses in which he has met the course prerequisite.

A holder of a bachelor's degree wishing to enroll in EDC 498 and 499 should file an intent to student teach with the College of Education Certification Advising Office. Approval of the application by the Selections Committee of the College of Education and satisfactory completion of certification requirements in area of specialization including 12 hours of course work in residence as a non-degree seeker are prerequisite to registration in EDC 498 and 499.

**Programs Leading to the Baccalaureate Degree**

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

- Art Education (EDA)
- Botany Education (BOE)
- Business and Office Education (VBU)
- Chemistry Education (CHE)
- Classics and Ancient Studies Education (CLE)*
- Distributive Education (VDE)
- Elementary-Early Childhood Education (EEC)
- Elementary Education (EDE)
- English Education (ENE)
- Industrial-Technical Education (VIT)
- Library-Audiovisual (EDL)
- Mass Communications—English Education (MCE)
- Mathematics Education (MAE)
- Mental Retardation Education (MRD)
- Modern Foreign Language Education (MOE)†
- Music Education (EDM)
- Physical Education (EDP)
- Physics Education (PHE)
- Science Education (SCE)
- Social Science Education (SSE)
- Zoology Education (ZOE)

*Latin-English Education or Latin-Modern Foreign Language Education.
†In a single language, two foreign languages, or Foreign Language-English.

**College of Education Student Organizations and Activities**

The College of Education Association is the parent organization or umbrella for all student Education organizations. The student activities sponsor and the College of Education Association (CEA) officers make an annual budget and the approved monies are funded by the State. Student Organizations Office is in EDU 309. The CEA is responsible for helping organize new College of Education organizations approved by the Student Affairs Committee. They also aid the organizations financially, provide leadership, and distribute information for projects. The College of Education Council is composed of CEA officers, three elementary representatives, four secondary representatives, two special education representatives and the Presidents of the other Education organizations. The Council meets regularly to coordinate and plan for the year.
Student Florida Education Association

The Student Florida Education Association is the professional organization that represents all the prospective teachers on the USF campus. As a member of SFEA, you also become a member of the Florida Education Association and the National Education Association. These organizations comprise the largest such group in the world.

Many benefits are available to you through the organization and, in addition, you are working with a club dealing with your main interest—education. All students in the field of Education, including freshmen, are encouraged to join this professional organization.

Association for Childhood Education International

The Association for Childhood Education is a non-profit professional organization concerned with the education and well-being of children two to twelve years of age. Members are located throughout the United States and other countries.

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

Student Council for Exceptional Children

The Student Council for Exceptional Children is an organization of those members of the University interested in the education of the exceptional—"different"—child. Various exceptionalities included are Gifted, Emotionally Disturbed, Physically Handicapped, Mentally Retarded, and Culturally Different.

Activities of the USF Chapter include field trips to various special education facilities, prominent speakers, seminars, state and national conventions, and social events. The specific activities are determined by the members and the exceptionalities in which they are interested. All interested students are invited to join.

Student Music Educators National Conference

Student Music Educators National Conference is an affiliate of the Music Educators National Conference and the Florida Music Educators Association. It is devoted to the furtherance of knowledge and understanding of music education on all levels. Membership is open to any student in the University of South Florida who is interested in the teaching of music.

Library Education Audio-Visual Organization

The Library Education Audio-Visual Organization is a professional organization for those members of the University community interested in Library education.

The USF group meets once a month and provides programs or guest speakers of interest to the campus community. In addition, LEAVO publishes a monthly newsletter for its members. Membership is open to all interested in Library education.

Phi Beta Lambda

Phi Beta Lambda is a business fraternity open to all students, including freshmen, expressing an interest in Business Education and who are enrolled in a Business Course.

Kappa Delta Pi

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

Physical Education Association (PEA)

The Physical Education Association (PEA) is open to all students enrolled in the Physical Education Program. Social and professional meetings are conducted throughout the year to promote interaction within the organization.

Student Guidance Organization (SGO)

The Student Guidance Organization is a Guidance Organization for graduate students presently enrolled in the Guidance Program. Social and professional meetings are conducted throughout the year. Members also participate in annual retreats and attend district and state meetings.

Teacher Education Programs and Curricula

There are three distinct areas in the teacher education program, and all teacher candidates must meet certain minimum requirements in each. The three areas and their requirements are as follows:

1. **General Distribution Requirements (60 cr. hrs.)**
   - The five areas of General Distribution and the specific requirements are as follows:
     - Area I —English Composition: ENG 101 - 102 - 103.

   Area III —Mathematics: MTH 331 - 332 - 333 for any program requiring EDE 415; MTH 109 - 110 for all other programs.


   Area V —Social and Behavioral Sciences: SSI 100 - 201 - 202 - 300 - 383.

   Electives from one or more of the areas need to be completed to bring total hours to 60.
2. Professional Education Core (36-44 credit hours)

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

- EDF 305 Human Development and Learning (4)
- EDF 307 Social Foundations of Education (4)
- EDC 401 Curriculum & Instruction (5)
- Methods Course(s) (4-12)
- Internship & Seminar (15)

Education Elective (not required with every major) (4)

3. Teaching Specialization Preparation (41-73 credit hours)

Course requirements in the area of teaching specialization vary according to subject field of specialization.

ELEMENTARY EDUCATION CERTIFICATION PROGRAMS

Elementary Education majors are prepared to teach in grades one through six. Currently there are two options for completing the elementary coursework and internship requirements.

Students may pursue a program by taking required education courses during their junior and senior year with practical field experiences during their senior year. These experiences include pre-internship as part of EDC 401 and EDE 440 and a full quarter internship assignment in a selected elementary school.

Students may pursue a program of elementary teacher preparation which provides continuous daily laboratory experiences in local schools. Students electing this program must arrange to spend a minimum of two hours daily working in a variety of classroom situations. Pre-internship and internship credit is earned during this field experience which extends over a period of five quarters.

Students entering an elementary education program must be eligible for admission to the College of Education (see admission requirements) and maintain a 2.0 average.

- ELEMENTARY SPECIALIZATION (EDE)
  - The major consists of an elementary specialization sequence. The 41 hours of elementary specialization courses include:
    - EDE 409 (5)
    - EDE 411 (4)
    - EDE 413 (4)
    - EDE 415 (5)
    - EDE 417 (5)

Students are encouraged to choose a concentration in a subject taught in the elementary school. With careful planning, a student may receive dual certification in elementary education and a junior high subject area.

ELEMENTARY-EARLY CHILDHOOD (EEC)

Students interested in early childhood teaching, which includes children ages 3-8, should pursue a program leading to certification both in early childhood and elementary education. This program includes 46 hours of course work as follows:

- EDE 409 (5)
- EDE 413 (4)
- EDE 415 (5)
- EDE 417 (5)
- EDE 419 (5)
- EDE 425 (4)
- EDE 426 (3)
- EDE 431 (3)
- EDE 433 (3)
- EDE 529 (5)
- EDE 531 (4)

KINDERGARTEN THROUGH TWELFTH GRADE CERTIFICATION PROGRAMS

Candidates meet teaching requirements for all grade levels from kindergarten through the senior year of high school.

- ART EDUCATION (EDA)
  - The Art Education student may elect to emphasize painting, sculpture, graphics, ceramics, or photography/cinematography by selecting the appropriate courses.
  - The following courses constitute a program of study:
    - Art Education (21 cr. hrs.)
      - EDA 377 (3)
      - EDA 379 (3)
      - EDA 441 (4)
      - EDA 498 (6)
      - EDA (crafts) (5)
    - Specialization (52 cr. hrs.)
      - ART 201 (4)
      - ART 202 (4)
      - ART 301 (2)
      - ART 401 (6)
      - ART 411 (4)
      - ART 415 (5)
      - ART 417 (5)
      - ART 419 (5)
      - ART 501 (4)
      - ART 511 (4)
      - ART 521 (4)
      - ART 531 (4)
      - ART 541 (4)
      - ART 542 (4)
      - ART 543 (4)
      - ART 561 (4)
      - ART 565 (4)
      - ART 591 (4)

28 cr. hrs. from the following courses as approved by the adviser:

- ART 401
- ART 442
- ART 501
- ART 542
- ART 411
- ART 443
- ART 511
- ART 543
- ART 421
- ART 461
- ART 521
- ART 561
- ART 431
- ART 462
- ART 531
- ART 565
- ART 441
- ART 465
- ART 541
- ART 591

ART 466

Plus the following:

- ART 476 (4)
- ART (Art History Elective) (4)
- Six hours from any MUS, DAN, TAR (6)

At the time of application to upper level, each Art Education student must submit slides or portfolio to the head of the department. To assist transfer students in selection of courses, they must submit work prior to or during registration.
MUS 504, the time of his entrance into the Certification K-12. All students take the Education elementary and secondary school media centers. and either EDE the State of Florida requirements for Rank III which is to be taken concomittently with a pre-internship Professional required courses in the major are (39 er. hrs.):

EDL 480 (4). Students receive practice in both elementary and secondary school media centers. Other required courses in the major are (39 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDL 400</td>
<td>3</td>
</tr>
<tr>
<td>EDL 410</td>
<td>3</td>
</tr>
<tr>
<td>EDL 412</td>
<td>5</td>
</tr>
<tr>
<td>EDL 415</td>
<td>2</td>
</tr>
<tr>
<td>EDL 419</td>
<td>4</td>
</tr>
<tr>
<td>EDL 513</td>
<td>4</td>
</tr>
<tr>
<td>EDL 514</td>
<td>4</td>
</tr>
<tr>
<td>EDL 515</td>
<td>5</td>
</tr>
<tr>
<td>EDL 519</td>
<td>5</td>
</tr>
<tr>
<td>EDL 523</td>
<td>4</td>
</tr>
</tbody>
</table>

Courses required in the other areas are EDE 411 and either EDE 409 or EDR 509. The student is urged to confer with his Library-Audiovisual adviser as near to the time of his entrance into the University as possible so that lower level electives correspond with his needs in the program.

MUSIC EDUCATION (EDM)

A. Instrumental Specialization (89 cr. hrs.)

Music Education courses (15 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDM 431</td>
</tr>
<tr>
<td>EDM 432</td>
</tr>
<tr>
<td>EDM 433</td>
</tr>
</tbody>
</table>

Music courses (74 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201, 202, 203</td>
<td>(9)</td>
</tr>
<tr>
<td>MUS 301, 302, 303</td>
<td>(9)</td>
</tr>
<tr>
<td>MUS 401, 402, 403</td>
<td>(6)</td>
</tr>
<tr>
<td>MUS 207</td>
<td>(8)</td>
</tr>
<tr>
<td>MUS 204, 304, 404, 504*</td>
<td>(33)</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>(3)</td>
</tr>
<tr>
<td>Art</td>
<td>(3)</td>
</tr>
<tr>
<td>Dance</td>
<td>(3)</td>
</tr>
<tr>
<td>Reading Ensemble</td>
<td></td>
</tr>
<tr>
<td>Performing Ensemble (minimum of one per quarter with applied music)</td>
<td></td>
</tr>
<tr>
<td>Piano proficiency requirement</td>
<td></td>
</tr>
<tr>
<td>Senior recital</td>
<td></td>
</tr>
</tbody>
</table>

B. Vocal Specialization (81 cr. hrs.)

Music Education courses (15 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDM 435</td>
</tr>
<tr>
<td>EDM 437</td>
</tr>
<tr>
<td>EDM 439</td>
</tr>
</tbody>
</table>

Music courses (66 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201, 202, 203</td>
<td>(9)</td>
</tr>
<tr>
<td>MUS 301, 302, 303</td>
<td>(9)</td>
</tr>
<tr>
<td>MUS 401, 402, 403</td>
<td>(6)</td>
</tr>
<tr>
<td>MUS 204, 304, 404, 504*</td>
<td>(33)</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>(3)</td>
</tr>
<tr>
<td>Art</td>
<td>(3)</td>
</tr>
<tr>
<td>Dance</td>
<td>(3)</td>
</tr>
<tr>
<td>Reading Ensemble</td>
<td></td>
</tr>
<tr>
<td>Performing Ensemble (minimum of one per quarter with applied music)</td>
<td></td>
</tr>
<tr>
<td>Piano proficiency requirement.</td>
<td></td>
</tr>
</tbody>
</table>

*MUS 504, minimum of six hours.

All students seeking a degree in music education are required to take a placement examination in music theory-history and to pass an audition in their respective performance area. Students must obtain the dates for these examinations from the Music Office; completion of the examinations is required before registration in music courses can be permitted.

Special requirements for all music education majors: successful completion of the piano proficiency requirement as defined by the music and music education faculties before admittance to upper level; enrollment in a reading ensemble for 6 quarters, participation in a performing ensemble each quarter the student is enrolled in applied music; and the presentation of a one-half hour recital in the major performing medium during the senior year.

Students are encouraged to attend on-campus musical events (i.e. student recitals, Music Forum events, faculty recitals, and Artist Series concerts).

PHYSICAL EDUCATION (EDP)

A two-year program is offered at the junior and senior year level which provides a daily internship experience in the local schools for prospective physical education teachers. Because enrollment in this program is limited, all students must participate in a selective admissions procedure which includes an on-campus conference in order to be considered for admission. Students may enter this program only during Quarter I (Fall) of each year and should be prepared to spend a minimum of two hours per day in a physical education teaching situation during each of the six quarters in addition to their on-campus study. The continuous field experience is in lieu of the usual quarter of full-day internship and the teacher aid assignments. Those requirements (see admission to supervised teaching experience) which are necessary for admission to supervised teaching experience must be met before a student will be allowed to register in EDP 331, EDP 421, and EDP 431.

After applying for admission to the University, all students must apply directly to the Department on or before April 1. No student will be admitted to the program unless application has been made prior to this date. Direct requests to:

Coordinator
Professional Physical Education Program
College of Education

The following are the required courses in the physical education program of study (68 cr. hrs.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 255</td>
<td>(3)</td>
</tr>
<tr>
<td>EDP 311</td>
<td>(5)</td>
</tr>
<tr>
<td>EDP 312</td>
<td>(6)</td>
</tr>
<tr>
<td>EDP 314</td>
<td>(2)</td>
</tr>
<tr>
<td>EDP 321</td>
<td>(5)</td>
</tr>
<tr>
<td>EDP 322</td>
<td>(6)</td>
</tr>
<tr>
<td>EDP 331</td>
<td>(5)</td>
</tr>
<tr>
<td>EDP 332</td>
<td>(6)</td>
</tr>
</tbody>
</table>

SPECIAL EDUCATION—MENTAL RETARDATION (MRD)

A student may enter the Mental Retardation Program to prepare as a teacher of the Mentally
Retarded. This planned program provides for six quarters of course work in the major area of specialization and in the required elementary area as indicated below. Upon completion of this planned program, the student will be certified in the area of Intellectual Disabilities (K12).

**Junior Year:** Fall Quarter (I)—EDF 305 (4), EDS 311 (4), and two courses chosen from Required Elementary Courses.* Winter Quarter (II)—EDF 307 (4), EDS 322 (4), and two courses to be chosen from Required Elementary Courses.* Spring Quarter (III)—EDF 303 (4), EDS 312 (4), EDS 329 (6), and one course to be chosen from Required Elementary Courses.*

**Senior Year:** Fall Quarter (I)—EDC 401 (5), EDS 423 I & II (4, 4), and one course to be chosen from Required Elementary Courses* or electives. Winter Quarter (II) and Spring Quarter (III)—Courses below to be taken in Blocks only as indicated. Blocks “A” and “B” are interchangeable in the Winter Quarter (II) and the Spring Quarter (III). Block “A”—EDC 498 (3), EDC 499 (1-12). Block “B”—EDC 515 (4), EDC 531 (4), EDS 531 (4), and one elective as approved by the advisor.


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**SECONDARY EDUCATION CERTIFICATION PROGRAMS**

Candidates are required to meet specialization requirements in broad subject fields or in subject combinations. It is also possible for prospective secondary school teachers to add elementary school certification by following an approved program. The secondary school specialization requirements can be satisfied in more than 15 subject areas in eight broad fields.

### ■ CLASSICS AND ANCIENT STUDIES (CLE)

**Latin-English Education:**

*Specialization Requirements (76 cr. hrs.)*

<table>
<thead>
<tr>
<th>Latin (39 cr. hrs.)</th>
<th>English (37 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 301 (3)</td>
<td>ENG 300 (4)</td>
</tr>
<tr>
<td>CLS 302 (3)</td>
<td>ENG 301 (4)</td>
</tr>
<tr>
<td>CLS 303 (3)</td>
<td>ENG 302 (4)</td>
</tr>
<tr>
<td>CLS 317 (4)</td>
<td>ENG 310 (4)</td>
</tr>
<tr>
<td>CLS 401 (3)</td>
<td>ENG 475 (4)</td>
</tr>
<tr>
<td>CLS 402 (3)</td>
<td>SPE 201 (5)</td>
</tr>
<tr>
<td>CLS 403 (3) One of the following:</td>
<td></td>
</tr>
<tr>
<td>CLS 411 (3)</td>
<td>ENG 316 (4)</td>
</tr>
<tr>
<td>CLS 412 (3)</td>
<td>ENG 317 (4)</td>
</tr>
<tr>
<td>CLS 413 (3)</td>
<td>ENG 332 (4)</td>
</tr>
<tr>
<td>CLS 517 (4)</td>
<td>ENG 435 (4)</td>
</tr>
<tr>
<td>CLS 571 (4)</td>
<td>ENG 436 (4)</td>
</tr>
<tr>
<td></td>
<td>ENG 437 (4)</td>
</tr>
<tr>
<td></td>
<td>ENG 438 (4)</td>
</tr>
<tr>
<td></td>
<td>ENG 441 (4)</td>
</tr>
<tr>
<td></td>
<td>ENG 442 (4)</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td>ENG 340 (4)</td>
<td></td>
</tr>
<tr>
<td>ENG 341 (4)</td>
<td></td>
</tr>
<tr>
<td>ENG 342 (4)</td>
<td></td>
</tr>
<tr>
<td>CLS 351 (4)</td>
<td></td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td>ENG 350 (4)</td>
<td></td>
</tr>
<tr>
<td>ENG 351 (4)</td>
<td></td>
</tr>
<tr>
<td>Two special methods courses (EDT 447 and EDX 465) are included in the professional education sequence. (If an elective is needed, SPE 321 is recommended.)</td>
<td></td>
</tr>
</tbody>
</table>

### Latin-Modern Foreign Language Education:

*Specialization Requirements (66 cr. hrs.)*

<table>
<thead>
<tr>
<th>Latin (39 cr. hrs.)</th>
<th>CLS 301 (3)</th>
<th>CLS 303 (3)</th>
<th>CLS 302 (3)</th>
<th>CLS 371 (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>One of the following:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLS 401 (3)</td>
<td>CLS 412 (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLS 402 (3)</td>
<td>CLS 413 (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLS 403 (3)</td>
<td>CLS 517 (4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLS 411 (3)</td>
<td>CLS 571 (4)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Modern foreign language requires 27 credit hours beyond introductory courses. Modern foreign language course requirements are (27 cr. hrs.): One of the following:

- 301 (4)
- 303 (3)
- 305 (4)
- 401 (4)
- 403 (4)
- 405 (4)
- 406 (4)

If the student’s oral ability in the modern foreign language is weak, 203 will be required before 303 can be taken.

Two special methods courses (EDX 449 and EDX 465) are included in the professional education sequence.

### ■ ENGLISH EDUCATION (ENE)

*Specialization Requirements (61 or 62 cr. hrs.)*

<table>
<thead>
<tr>
<th>English (37 cr. hrs.)</th>
<th>One of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 300 (4)</td>
<td>ENG 350 (4)</td>
</tr>
<tr>
<td>ENG 301 (4)</td>
<td>ENG 351 (4)</td>
</tr>
<tr>
<td>ENG 310 (4)</td>
<td>ENG 450 (4)</td>
</tr>
<tr>
<td>ENG 475 (4)</td>
<td>CLS 351 (4)</td>
</tr>
<tr>
<td>SPE 201 (4)</td>
<td>ENG 340 (4)</td>
</tr>
<tr>
<td>SPE 321 (4)</td>
<td>ENG 341 (4)</td>
</tr>
<tr>
<td>Plus one 400-</td>
<td></td>
</tr>
<tr>
<td>English elective (4)</td>
<td></td>
</tr>
</tbody>
</table>

One of the following:

- ENG 316 (4)
- ENG 317 (4)
- ENG 332 (4)
- ENG 435 (4)
- ENG 436 (4)
- ENG 437 (4)
- ENG 438 (4)
- ENG 441 (4)
- ENG 442 (4)
- ENG 302 (4)
- ENG 330 (4)
- ENG 331 (4)

---
Also, one elective from one of the following areas: English, Speech Communication, Mass Communications, Theatre Arts, Language-Literature Interdisciplinary, Philosophy, Classics and Ancient Studies, Education, or American Studies: (4)

In addition, one of the following courses is included in the professional education sequence:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDL 519</td>
<td>(5)</td>
</tr>
<tr>
<td>EDT 531</td>
<td>(4)</td>
</tr>
<tr>
<td>EDR 509</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**MASS COMMUNICATIONS—ENGLISH EDUCATION (MCE)**

Specialization Requirements (64 cr. hrs.):

<table>
<thead>
<tr>
<th>Mass Communications (22 cr. hrs.)</th>
<th>English (42 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 300 (3)</td>
<td>ENG 300 (4)</td>
</tr>
<tr>
<td>COM 301 (4)</td>
<td>ENG 301 (4)</td>
</tr>
<tr>
<td>COM 330 (4)</td>
<td>ENG 302 (4)</td>
</tr>
<tr>
<td>COM 351 (4)</td>
<td>ENG 310 (4)</td>
</tr>
<tr>
<td>COM 491 (4)</td>
<td>ENG 450 (4)</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 475</td>
<td>(4)</td>
</tr>
<tr>
<td>SPE 201</td>
<td>(5)</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 316</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 317</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 332</td>
<td>(4)</td>
</tr>
</tbody>
</table>

A Communications broadcasting course

Two special methods courses (EDT 447 and EDT 463) are included in the professional education sequence.

**MODERN FOREIGN LANGUAGES (MOE)**

Foreign Language-English Education:

Specialization Requirements (73 cr. hrs.)

<table>
<thead>
<tr>
<th>English (37 cr. hrs.)</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 300 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 301 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 302 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 310 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 350 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 351 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 475 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 201 (5)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 316</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 317</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 332</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Two Foreign Languages:

Specialization Requirements (62 credit hours)

Beginning and intermediate foreign language requirements (or equivalents) must be completed. In the major language (French, German, Italian, Russian, or Spanish), the student must earn a minimum of 36 credit hours, and in the minor language 26 credit hours. The required upper level foreign language courses for the major language are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 301 (4)</td>
<td></td>
</tr>
<tr>
<td>ENG 303 (3)</td>
<td>Plus a minimum</td>
</tr>
<tr>
<td>ENG 305 (4)</td>
<td>of nine additional</td>
</tr>
<tr>
<td>ENG 401 (4)</td>
<td>selected hours of advanced courses in the foreign language</td>
</tr>
<tr>
<td>ENG 403 (4)</td>
<td>(9)</td>
</tr>
<tr>
<td>ENG 405 (4)</td>
<td></td>
</tr>
<tr>
<td>ENG 406 (4)</td>
<td></td>
</tr>
</tbody>
</table>

If the student’s oral ability is weak, 203 will be required before 303 can be taken.

For the minor language the required upper level foreign language courses are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 301 (4)</td>
<td>Plus a minimum</td>
</tr>
<tr>
<td>ENG 303 (3)</td>
<td>of seven additional</td>
</tr>
<tr>
<td>ENG 305 (4)</td>
<td>selected hours of advanced courses in the minor language</td>
</tr>
<tr>
<td>ENG 403 (4)</td>
<td>(7)</td>
</tr>
</tbody>
</table>

If the student’s oral ability is weak, 203 will be required before 303 can be taken.
Single Foreign Language:

After consultation with an adviser, the Dean may give permission for a student to elect a single foreign language major. A minimum of 45 credit hours beyond intermediate course requirements must be earned in the single foreign language. Among the 45 hours must be the following:

### French (45 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 301</td>
<td>(4)</td>
</tr>
<tr>
<td>FRE 303</td>
<td>(3)</td>
</tr>
<tr>
<td>FRE 305</td>
<td>(4)</td>
</tr>
<tr>
<td>FRE 401</td>
<td>(4)</td>
</tr>
<tr>
<td>FRE 403</td>
<td>(4)</td>
</tr>
<tr>
<td>FRE 405</td>
<td>(4)</td>
</tr>
</tbody>
</table>

### German (45 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 301</td>
<td>(4)</td>
</tr>
<tr>
<td>GER 303</td>
<td>(3)</td>
</tr>
<tr>
<td>GER 305</td>
<td>(4)</td>
</tr>
<tr>
<td>GER 401</td>
<td>(4)</td>
</tr>
<tr>
<td>GER 405</td>
<td>(4)</td>
</tr>
</tbody>
</table>

### Italian & Russian (45 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 301</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 303</td>
<td>(3)</td>
</tr>
<tr>
<td>SPA 305</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 401</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 403</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 405</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 516</td>
<td>(4)</td>
</tr>
</tbody>
</table>

If the student's oral ability is weak, 203 will be required before 303 may be taken.

### Spanish (45 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 301</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 303</td>
<td>(3)</td>
</tr>
<tr>
<td>SPA 305</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 401</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 403</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 405</td>
<td>(4)</td>
</tr>
<tr>
<td>SPA 516</td>
<td>(4)</td>
</tr>
</tbody>
</table>

### Mathematics (MAE)

The typical program for prospective mathematics teachers consists of a minimum of 47 credit hours in mathematics above the 100 level. The specialization requirements are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 302</td>
<td>(5)</td>
</tr>
<tr>
<td>MTH 303</td>
<td>(4)</td>
</tr>
<tr>
<td>MTH 304</td>
<td>(4)</td>
</tr>
<tr>
<td>MTH 305</td>
<td>(4)</td>
</tr>
<tr>
<td>MTH 309</td>
<td>(3)</td>
</tr>
<tr>
<td>MTH 323</td>
<td>(4)</td>
</tr>
<tr>
<td>MTH 423</td>
<td>(3)</td>
</tr>
<tr>
<td>MTH 424</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Upper level mathematics electives (MTH 345 and MTH 346) are strongly recommended (17).

Natural Sciences outside of mathematics. These latter 24 hours must be approved by the student's adviser and must include a minimum of four credit hours at the 300 level or above.

### Science

**Botany (BOE), Chemistry (CHE), Physics (PHE), Zoology (ZOE):**

A student planning to teach science at the secondary level should complete the departmental major in the corresponding science area (in Botany, Chemistry, Physics, or Zoology). Requirements for these programs are listed in the catalog under the science departments of the College of Natural Sciences. EDN 427 is recommended for biology teachers, EDN 425 is recommended for physical science (chemistry and physics) teachers.

### Science Education (SCE):

An alternate program is available in which the prospective teacher must meet the minimum requirements of the major in the Natural Sciences. This requires 36 credit hours in the discipline of major concentration and 24 credit hours within the Natural Sciences and outside the concentration area. These latter 24 hours must be approved by the student's adviser and include at least one 300 level course. (Total program, 60 credit hours minimum.) Concentrations are available in biology, physics, and chemistry. A typical program for a biology concentration includes:

Minimum credit within concentration (36 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 201</td>
<td>(4)</td>
</tr>
<tr>
<td>BIO 202</td>
<td>(4)</td>
</tr>
<tr>
<td>BIO 203</td>
<td>(4)</td>
</tr>
<tr>
<td>BIO 331</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Additional selections from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 302</td>
<td>(5)</td>
</tr>
<tr>
<td>BOT 311</td>
<td>(5)</td>
</tr>
<tr>
<td>ZOO 311</td>
<td>(6)</td>
</tr>
<tr>
<td>ZOO 313</td>
<td>(5)</td>
</tr>
</tbody>
</table>

Minimum credits outside of concentration (24 credit hours)

Courses outside biology would normally include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 211</td>
<td>(4)</td>
</tr>
<tr>
<td>CHM 212</td>
<td>(4)</td>
</tr>
<tr>
<td>CHM 213</td>
<td>(4)</td>
</tr>
<tr>
<td>CHM 331</td>
<td>(3)</td>
</tr>
</tbody>
</table>

Electives (2)

Courses in Mathematics, Physics, and Geology are also recommended.

### Social Science (SSE)

To teach at the secondary level the minimum requirements of a Social Science Education major must be met. All programs in the Social Science Education major specify 64 credits or more in the Social Sciences. A teaching emphasis requires a minimum of 20 credits in one discipline within an approved program which will lead to certification in the broad area of social sciences. However, a student may concentrate his studies in one of the separate subject areas. Each program contains
both required and elective courses which each student in consultation with his adviser will select.

**SPEECH COMMUNICATION—ENGLISH EDUCATION (SEE)**

*Specialization Requirements (72 credit hours)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 201</td>
<td>5</td>
</tr>
<tr>
<td>SPE 203</td>
<td>5</td>
</tr>
<tr>
<td>SPE 321</td>
<td>5</td>
</tr>
<tr>
<td>SPE 361</td>
<td>5</td>
</tr>
<tr>
<td>SPE 365</td>
<td>5</td>
</tr>
<tr>
<td>SPE 491</td>
<td>2</td>
</tr>
<tr>
<td>SPE 492</td>
<td>3</td>
</tr>
<tr>
<td>ENG 300</td>
<td>4</td>
</tr>
<tr>
<td>ENG 310</td>
<td>4</td>
</tr>
<tr>
<td>ENG 302</td>
<td>4</td>
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<tr>
<td>ENG 310</td>
<td>4</td>
</tr>
<tr>
<td>ENG 350</td>
<td>4</td>
</tr>
<tr>
<td>ENG 351</td>
<td>4</td>
</tr>
<tr>
<td>ENG 353</td>
<td>5</td>
</tr>
<tr>
<td>EDY 353</td>
<td>5</td>
</tr>
<tr>
<td>EDY 431</td>
<td>4-8</td>
</tr>
<tr>
<td>EDY 461</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 316</td>
<td>4</td>
</tr>
<tr>
<td>ENG 317</td>
<td>4</td>
</tr>
<tr>
<td>ENG 332</td>
<td>4</td>
</tr>
<tr>
<td>ENG 435</td>
<td>4</td>
</tr>
<tr>
<td>ENG 436</td>
<td>4</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 351</td>
<td>4</td>
</tr>
<tr>
<td>ENG 340</td>
<td>4</td>
</tr>
<tr>
<td>ENG 341</td>
<td>4</td>
</tr>
<tr>
<td>ENG 342</td>
<td>4</td>
</tr>
<tr>
<td>ENG 343</td>
<td>4</td>
</tr>
</tbody>
</table>

Two special methods courses (EDT 447 and EDT 523) are included in the professional education sequence.

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**VOCATIONAL AND ADULT EDUCATION CERTIFICATION PROGRAMS**

Candidates planning to teach in county-wide adult and secondary education programs, junior college associate of arts and area vocational schools, continuing education centers, model cities programs, and other vocational, adult and technical schools may pursue one or more of the following specializations.

**BUSINESS AND OFFICE EDUCATION (VBU)**

To complete program requirements leading to Rank III certification in the broad field of Business Education, students must take 73 hours of course work in the business administration and business education areas and 37 hours of professional education courses. Two special methods courses are included in the professional education sequence. Specialization requirements include:

9 hours of accounting (including ACC 201-202) (9)  
**Two of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 100</td>
<td>5</td>
</tr>
<tr>
<td>ECN 201</td>
<td>4</td>
</tr>
<tr>
<td>ECN 202</td>
<td>4</td>
</tr>
<tr>
<td>GBA 361</td>
<td>5</td>
</tr>
<tr>
<td>GBA 371</td>
<td>4</td>
</tr>
</tbody>
</table>

Six hours of typing or (6)  
Nine hours of shorthand (9)  
EDV 353 (5)  
EDV 431* (4-8)  
EDV 461 (5)  
Electives in Education and/or Business Administration courses to bring total to 73

*Student may demonstrate competency in shorthand and typing.*  
*Required only if student lacks sufficient office work experience.*

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**DISTRIBUTIVE EDUCATION (VDE)**

Distributive Education is a program for those interested in becoming teachers of marketing and distribution in schools and programs as listed under the discussion of Vocational and Adult Education Certification Programs. To qualify to teach in the area of Distributive Education students must take 62 hours of course work. They must take 32 hours of business administration courses including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>3</td>
</tr>
<tr>
<td>ECN 201</td>
<td>4</td>
</tr>
<tr>
<td>ECN 202</td>
<td>4</td>
</tr>
<tr>
<td>MKT 301</td>
<td>5</td>
</tr>
</tbody>
</table>

The remaining 30 hours will be in Distributive Education and approved electives, and must include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 401</td>
<td>5</td>
</tr>
<tr>
<td>EDV 506</td>
<td>4</td>
</tr>
<tr>
<td>EDV 507</td>
<td>4</td>
</tr>
</tbody>
</table>

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 331</td>
<td>5</td>
</tr>
<tr>
<td>EDF 303</td>
<td>4</td>
</tr>
<tr>
<td>MTH 345</td>
<td>5</td>
</tr>
<tr>
<td>SSI 301</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives (12 or 13)

In addition, they must fulfill the state requirement of two years of distributive on-the-job work experience or complete 2100 hours of acceptable training. EDV 431, Supervised Field Experience: Distributive Education and Cooperative Education training experience are offered as suggested avenues to meet this requirement. (Acceptability of work experience will be determined by the Adult and Vocational staff at the University of South Florida.)

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**INDUSTRIAL-TECHNICAL EDUCATION (VIT)**

Enrollment in the area of Industrial-Technical Education is restricted to persons with employment experiences qualifying them to teach in the field. Special provision is made for students who have completed their Associate of Science Certificates in a technological specialty from one of the programs of the State system of junior colleges. Students may validate up to 45 credit hours through an Occupational Competency Examination. In addition to the professional core, they must take...
29 credit hours in Vocational & Adult Education selected from the following:

- EDV 207 (4)
- EDV 443 (5)
- EDV 445 (4)
- EDV 480 (4)
- EDV 503 (4)
- EDV 504 (4)
- EDV 505 (4)
- EDV 506 (4)
- EDV 507 (4)
- EDV 511 (4)

In addition, students must meet the General Distribution Requirements of 60 credit hours and SPE 201. Acceptability of work experiences will be determined by the Adult and Vocational staff at the University of South Florida.

**MASTER'S LEVEL DEGREE PROGRAMS**

**Admission**

Candidates for admission to graduate study must present satisfactory evidence of:

1. Undergraduate grade-point-ratio of 3.0 (B) minimum on the last half of the baccalaureate degree; or GRE aptitude score—1000 minimum.
2. Any additional requirements specified by the program.
3. Receive favorable recommendation from program chairman.

**Filing of Program**

During the first term of graduate study the candidate for the master's degree must file a planned program of studies. This report of Graduate Advisory Conference is to be completed in consultation with the adviser. The completed report should be filed with the Coordinator of Graduate Studies in the College of Education.

**Quality of Work**

Candidates for the master's degree must maintain a 3.0 GPR. If at any time the student's GPR falls below the minimum, the student will be placed on probation. During the probationary status the student's academic progress will be reviewed to determine: 1) removal from probation, 2) continuation on probation, 3) drop from graduate program.

**Residency**

The candidate for the master's degree will be required to meet the residency requirement established by each program area. Consult the appropriate program area for details.

**Comprehensive Examination**

During the last term of enrollment, prior to completion of degree requirements, the candidate must perform satisfactorily on a comprehensive examination.

**Process Core Examination**

Graduate students with sufficient undergraduate background may take the Process Core Examinations after consultation with their advisers. Successful performance on the examination enables a student to waive the course requirement, but he must take elective courses in lieu of the hours required. The Process Core Examinations are in the Foundations of Measurement, Psychological Foundations and Social Foundations of Education. Graduate students on a Plan II Master's Program (see below) are not eligible to take the Process Core Examinations unless they have had a comparable course at the undergraduate level.

**Master of Arts Programs**

Qualified persons may pursue graduate study in the following majors:

- Art Education (EDA)
- Elementary Education (EDE)
- English Education (ENE)
- Modern Foreign Language* (MOE)
- Guidance (EDG)
- Humanities Education (HUE)
- Library-Audiovisual (EDL)
- Mathematics Education (MAE)
- Music Education (EDM)
- Physical Education (EDP)
- Reading Education (EDR)
- School Psychology (PSE)
- Science Education† (SCE)
- Social Science Education (SSE)
- Speech Communication Education (SPH)

Special Education with programs in:

- Emotionally Disturbed (EMD)
- Gifted (GIF)

Mental Retardation (MRD)

Varying Exceptionalities (EVX)

Speech Pathology (ESP/SPY)

Vocational Education with programs in:

- Adult (VAD)
- Distributive (VDE)
- Business and Office (VBU)
- Industrial-Technical (VIT)

Junior College Teaching:

- Astronomy (AST90)
- Biology (BIO90)
- Business (BUS90)
- Chemistry (CHM90)
- Economics (ECN90)
- Engineering† (EGP90)
- English (ENG90)
- French (FRE90)
- Geography (GPY90)
- Geology (GLY90)
- History (HTY90)
- Mathematics (MTH90)
The areas of specialization beginning below are suggested programs of study. Individual programs will vary depending on background, experience, and specific interest.

Plan II
Plan II is a program of graduate studies designed for the holder of a non-education baccalaureate degree who desires to meet initial certification requirements as part of a planned program leading to the Master of Arts degree. (This program is not available in the area of elementary education.)

A. PROCESS CORE (21 hours)
   EDC 501, Curriculum and Instruction: Secondary;
   EDF 605, Foundations of Measurement;
   EDF 607, Foundations of Educational Research;
   EDF 611, Psychological Foundations of Education; and
   EDF 621, Socio-Economic Foundations of Education;
or
   EDF 623, Historical Foundations of American Education;
or
   EDF 625, Philosophical Foundations of American Education.

B. CURRENT TRENDS COURSE IN TEACHING SPECIALIZATION (4 hours)

C. SPECIALIZATION (27 hours minimum)

Program Descriptions

Master of Arts degree programs consist of a minimum of 45 credit hours, 24 of which must be at the 600 level. Most specialization areas include the option of a thesis of three to six credit hours.

ART EDUCATION (EDA)
In consultation with a graduate adviser, a student may develop a program in art education with a specialization in one of three areas:

a. Studio/new media
b. Art Administration, Supervision & Curriculum Innovation
c. Research Methods for Art Education

A portfolio or slides of recent creative work must be submitted prior to admission into the program. The departmental requirements for all degree-seeking candidates are:

Art Education (12 credits: EDA 660, 661, 682)
Art Studio (12 credits minimum)
Art History (3 credits minimum)
The remainder of the credit hours, totaling a minimum of 54, may relate to one of the three areas of specialization. An innovative master’s paper or project developed under the guidance of a faculty committee is required before graduation.

ELEMENTARY EDUCATION (EDE)
This program requires full certification as an elementary teacher for admission. Students pursuing the master’s degree in elementary education are required to present credit in the following courses: EDE 603, 609, and 613. The student will choose from one of the following areas of emphasis:

a. Elementary Curriculum Emphasis: At least three courses must be selected from EDE 611, 615, 617, 619, and 621. Additional work is available through consent of the adviser as part of a planned program.
b. Reading Emphasis: Three courses from EDR 530, EDE 611, EDR 631, EDR 632, and EDE 631 or EDL 605 are required.
c. Supervision Emphasis: EDC 661, 671, and EDE 641 are required.
d. Early Childhood Emphasis: Individually planned emphasis to include EDE 527, 529, 531, 539.
e. Elementary School Mathematics Emphasis: Individually planned emphasis to include four courses from the following: EDE 515, 516, 615; EDN 515, 616, 617, 618, 621, 622. Additional work in related areas may be planned with the adviser.

Elementary-Early Childhood Education
This concentration requires full certification in early childhood education for admission and recommendation of the department. Requirements in specialization and related courses total 32 credit hours and include EDE 519, 527, 539, 609, 629, and 639.

■ ENGLISH EDUCATION (ENE)
Candidates must score at least 500 on the Verbal Aptitude section of the GRE or 550 on the Advanced Literature test of the GRE.

PLAN I—Requirements for admission: A bachelor’s degree in English Education from a recognized institution, or Rank II certification in Secondary English from the State of Florida or other equivalent certification. Students holding a bachelor’s degree and qualified for Rank III Secondary English certification except for the required Education courses may enroll as Special students and complete certification requirements. After obtaining certification, they may apply for degree-seeking status and apply up to 12 credit hours of relevant work in Education on this degree. Plan I requires at least 32 hours of English as specified below.

PLAN II—Requirements for admission: A bachelor’s degree in English from a recognized Liberal Arts institution of higher learning. Requires at least 28 hours of English as outlined below.

Course Sequence for both plans: Process Core (16 hours), EDT 631, ENG 450 (Theory of Fiction), ENG 686 (Advanced Composition for Teachers), one advanced course in linguistics, depth preparation in two English areas (minimum of two courses in each) from among the following: 1) Old English-Middle English (to 1500); 2) Renaissance (1500-1660); 3) Restoration-Eighteenth Century (1600-1780); 4) Nineteenth Century British (1780-1890); 5) American Literature (to 1920); 6) Twentieth Century British (after 1890); 7) Stylistics.

■ FOREIGN LANGUAGE EDUCATION (FRENCH, GERMAN, SPANISH) (MOE)
Candidates for the M.A. degree in foreign language education must present satisfactory evidence of:

1. Undergraduate grade point ratio of 3.0 or better on the last half of the B.A.
2. GRE aptitude grade point ratio of 1000, or GRE advanced foreign language score in upper third, or equivalent.
3. Baccalaureate degree in chosen foreign language, or in foreign language education from an accredited institution of higher learning.

4. Favorable recommendation from program chairman.

Each candidate will be assigned his major adviser in the College of Education and, to facilitate selection of appropriate foreign language courses, a co-adviser in the Modern Foreign Language department of the College of Language and Literature. Since identical lists of foreign language courses are not prescribed for each candidate, and since each candidate’s program is designed to satisfy the individual’s needs, the specific foreign language courses are selected in consultation with the advisers. Candidates should meet with both advisers before registering for each quarter.

The M.A. in foreign language education requires a minimum of 27 credit hours in foreign language courses of the 500 and 600 levels. Foreign language requirements, however, are not the same for all and may go as high as 36 hours, depending upon the individual candidate’s background and strengths. Unless otherwise approved by adviser, at least 21 hours in French should be on the 600 level; in German at least 15 hours should be on the 600 level; in Spanish at least 18 hours should be on the 600 level.

■ GUIDANCE (EDG)

PLAN I —The guidance program typically requires seventeen credit hours from the Process Core including EDF 605, 607, 613, and one of the following: EDF 621, 623, or 625. Additional course requirements depend upon the major emphasis in either elementary school guidance or in secondary school guidance.

a. Elementary School Guidance Emphasis: Requirements in specialization and related courses total 38 credit hours and include EDG 601, 603, 609, 613, 617, 621, 625, 633, and EDF 631 or PSY 452.

b. Secondary School Guidance Emphasis: Requirements in specialization and related courses total 39 credit hours and include EDG 601, 603, 609, 619, 623, 627, 633, EDF 631 or PSY 452, and an approved elective.

PLAN II is available in both emphases and requires EDC 501 and EDC 691 in addition to minimum requirements.

The Guidance Program has no full-time residency requirement. Students who are gainfully employed on a full-time basis are limited to one course per quarter. Exceptions are made only with permission of the Guidance Program Committee.

■ HUMANITIES EDUCATION (HUE)
The program in Humanities consists of 27-45 credit hours selected from the following with the advice of the adviser in the field of specialization: HUM 535, 536, 537, 539, 540, 541, 542, 543, 545, 581, 611, 623, 681, 683. Up to nine hours may be substituted for the above from courses outside of Humanities with the consent of the adviser in Humanities.

■ LIBRARY-AUDIOVISUAL (MEDIA) EDUCATION (EDL)
Basic courses are required for all students with a choice of specialization for work in one of the following
areas: School Media (formerly School Library); Public Library; Academic Library; Special Library. The requirements for the School Media specialization include Rank II certification for the State of Florida. Other requirements prepare the student to assume leadership roles in the profession.

The University minimum number of graduate course work hours is 45. The number of credits required in this department range from 46 to a possible maximum of 75. The exact number of hours is determined in conference with the student and his assigned departmental adviser on the basis of the student's needs and the departmental standards for the specialty area of study. Thesis hours when elected (4-6) are in addition to course work.

Required courses for students in all library specializations are EDL 513, EDL 515, EDL 600, EDL 601, EDL 615 (or their equivalents as assessed by the student's adviser) and one audiovisual or instructional technology course. If EDL 513, 515, 615 and the audiovisual or technology course were taken at an undergraduate level or at another university, with the consent of the adviser, alternative courses may be chosen as substitutes.

Administration courses recommended for each specialization are: EDL 612 (School Media), EDL 621 (District or System School Media Centers), EDL 640 (Public Libraries), EDL 650 (Academic Libraries), EDL 660 (Special Libraries). School Media certification requires courses in materials for children and in materials for young adults. Electives may be chosen from any of the other Library-Audiovisual courses. Students interested in more extensive preparation in the non-print areas of the school media specialization may expect to take 6-9 hours more of course work or field experiences in this area. All school media students are subject to the same core education requirements and/or waivers as all other graduate education students. Students requiring internship will take Field Work (EDL 609) in one school level media center (e.g., Elementary) and Internship (EDC 691) in the other school level media center (e.g., Secondary).

Public, Academic and Special Library students are exempted from the Education core courses. Among recommended courses for them in lieu of the Education core are: EDF 502 (Adolescence, Education), EDH 651 (The Junior College in American Higher Education), MAN 601 (Management, Business), ESC 501 (Computer Systems and its prerequisites, Engineering), POL 525 (Problems of Public Personnel Administration) or POL 527 (Comparative Public Administration, Political Science), and SSI 503 (Contemporary American Culture, Sociology). Each student is urged to take field work (EDL 609) in the area of his specialization.

With the consent of his adviser any student may choose one or more cognates from other courses offered outside the department.

Criteria for admission and for graduation are those general criteria specified by the College of Education. Graduation requirements include the fulfillment of the student's filed program of studies, application for graduation at the beginning of the quarter in which he intends to graduate, and the successful completion of a final comprehensive examination administered by the Library-Audiovisual program. If the option of Thesis or Master's Essay has been chosen by the student, these manuscripts are subject to the criteria determined by the University.

■ MATHEMATICS EDUCATION (MAE)

This program requires a minimum of 51 quarter hours. Before the 12-hour level the student must demonstrate that he has the competence in mathematics to undertake the program. MTH 405, 406 and any MTH course from the 500 and 600 level and above may be included in the planned program.

■ MUSIC EDUCATION (EDM)

Plans in both instrumental and vocal music are offered. At least 27 hours are taken in one of these areas. A placement examination is required of all new registrants in musical styles. Each candidate must meet the undergraduate level of piano proficiency before the quarter in which he expects to graduate. Participation in ensembles is required for at least three quarters. Three plans are available to the candidate: 48 hours plus thesis, 51 hours plus recital, or 54 hours without thesis or recital.

Vocal Majors: 7 to 14 credits in music education, including EDM 601, 614, and 635; 4 to 8 credits in music literature, including MUS 603; at least 4 credits in music theory; and at least 4 credit hours in applied music.

Instrumental Majors: 7 to 14 credits in music education including EDM 601, 603, 617, 633; 4 to 8 credits in music literature, including MUS 601; at least 4 credits in music theory; and at least 4 credits in applied music.

■ PHYSICAL EDUCATION (EDP)

Areas within the program in which a student may focus study are Elementary Physical Education, Secondary Physical Education, or Physical Education for the Handicapped.

Enrollment in EDP 600, Professional Assessment, is required of all students. Preferably this course will be completed during the first quarter of study in the program and not later than the completion of eight quarter hours of credit in the physical education curriculum area.

■ READING EDUCATION (EDR)

Specialization in Reading Education shall include a minimum of 32 credit hours: EDE 609, 631, EDR 509, 631, 632, 633, 634, 635. (Candidates who have had a children's literature course at either graduate or undergraduate level may take an elective in lieu of EDE 631.) Electives must be chosen by conference with adviser.

■ SCHOOL PSYCHOLOGY (PSE)

The School Psychology program is offered jointly with the Department of Psychology in the College of Social and Behavioral Sciences.

PLAN I—Course Requirements—except where equivalent courses are transferred into the program, the
student must complete the following minimum quarter hours: 8 hrs. in Statistics and Research Design; 26 hrs. in Educational and Psychological Foundations; 99 hrs. in Assessment Techniques; 4 hrs. in Consultation Techniques; 4 hrs. in Field Experience. Specific courses may be obtained from the School Psychology program.

Research Competency—Each student must show competency through the planning, execution, and write-up of a piece of research resulting in either a thesis or colloquium paper.

Internship—A full-time internship of two academic quarters is required.

**PLAN II—Students without educational certification are required to take EDC 501. For the School Psychology program, the internship requirement for Plan II is the same as that for Plan I.**

### SCIENCE EDUCATION (SCE)

Concentrations in Biology, Chemistry, or Physics are available in a cooperative program with the College of Natural Sciences. In each instance, before admission to the degree program, the student must satisfy the Biology, Physics, or Chemistry adviser that he has the competence to undertake the program. Specialization shall consist of at least 27 credit hours approved by the adviser in the discipline. Satisfactory completion of the program must be certified by both the College of Natural Sciences and the College of Education.

### SOCIAL SCIENCE EDUCATION (SSE)

Advanced training for the purpose of becoming better teachers in grades 7-12. Plan I is for certified teachers, and Plan II for those with a social science baccalaureate degree but not certified to teach.

**PLAN I—**For teachers who are certified to teach general secondary social studies or one of the separate subject areas.

Each student in consultation with his adviser will select at least seven courses at the 500 or 600 level from courses offered in the College of Social and Behavioral Sciences. Three or more of these courses must be at the 600 level.

**PLAN II—**Students will complete all of the Plan I requirements, take EDC 461, EDC 501, and EDC 691, plus any other social science courses which the Social Science Education department deems necessary for fulfilling minimum state certification requirements.

### SPECIAL EDUCATION

**Emotionally Disturbed (EMD)**

The purpose of this program is to train educators for emotionally disturbed children. An individualized program is available under both Plan I, for certified and experienced teachers, and Plan II, for those with a non-education baccalaureate degree.

**PLAN I—**Through a Plan I program, a certified, experienced teacher may satisfy the requirements for graduation within four quarters. Of the minimum 45 hours, at least 27 hours are allocated to the area of specialization. EDS 531, 610, 611, 632, 633, and 639, or equivalents, are required of all students. Additional courses, including electives, are planned jointly by the student and his adviser.

**PLAN II—**The student with a non-education baccalaureate degree may meet initial certification through a Plan II program. The individually designed course of study will include the minimum 27 hours in the area of specialization (as outlined above) plus such other courses planned jointly by the student and his adviser, which may be necessary to meet certification requirements in the student’s chosen subject area. This program will require more than four quarters of attendance for completion.

### The Gifted (GIF)

The Gifted Child Teacher Training program provides advanced training for experienced teachers to work with gifted children and to work with other teachers on a consultant or teacher-leader basis.

There is also an inexperienced teacher-training program which is designed to prepare non-certified education majors to work with classrooms of gifted children.

Emphasis is on the development of subject matter specialization and specific skills to:

1. identify the gifted,
2. make an individual diagnosis of cognitive and affective strengths and weaknesses, and
3. modify the educational program to develop the gifted child’s potential.

**PLAN I—**Through a Plan I type of program an experienced, certified teacher can anticipate preparing for teacher-consultant roles in the area of the gifted in four quarters.

A minimum of 28 credit hours in the area of specialization is required. Included among the courses required are EDC 552, EDS 550, 551, 559, 611, 653 and 654.

An individually tailored liberal arts sequence of 14 quarter hours is also a requirement of the program.

**PLAN II—**An individual with a non-education undergraduate major may prepare as a teacher-consultant of the gifted through Plan II.

The student will be expected to take a minimum of 28 quarter hours in the area of specialization. In consultation with his adviser, he will choose from the following: EDC 552, EDS 550, 551, 559, 611, 653, 654.

An individual may meet initial certification through Plan II by taking EDC 501, an appropriate methods course and completion of an internship in a liberal arts area.

### Mental Retardation (MRD)

The course of study is designed to prepare the student to become a more effective teacher or supervisor of teachers for the retarded.

It is highly recommended by the Department of Mental Retardation that any student who is about to apply for Graduate work in the area of Mental Retardation contact that office for advising purposes before any courses are taken or application made for admission.

**PLAN I—**Through a Plan I program, a certified teacher may satisfy the requirements for graduation within four quarters.
Process Core Requirements (16 hours).
At least 30 hours are allocated to the area of specialization with an emphasis on Mental Retardation — Required: EDS 620, 621, 622, (12 hours) and Written Comprehensive Examination. Select 18 hours from the following: EDS 511, 529, 531, 541, 550, 561, 660, 662, 676.

PLAN II—The student with a non-education baccalaureate degree may meet initial certification requirements through a Plan II program as follows:
1. Basic Elementary Required: EDE 409, EDS 322, EDS 423 I.
   EDS 423 I may be counted for Master credit.
2. Process Core Required (21 hours).
3. Required Courses in Mental Retardation: (38 hours)
   EDS 529, 610, 620, 621, 622, 676.
4. Electives: (Select eight hours)
   EDS 531, 541, 550, 561, 611, 613, 660, 662.
5. Written Comprehensive Examination.
6. Internship, EDC 691.

Varying Exceptionalities (EVX)
An interrelated course of study is planned for advanced training to prepare teachers and supervisors of teachers of Varying Exceptionalities.

PLAN I—A minimum of 30 credit hours in the area of specialization is requisite to successful completion of the Plan I program for teachers of Varying Exceptionalities. Individualized program will include courses to be taken from the following: EDS 531, 541, 550, 551, 610, 612, 620, 632, 649, 660, 662, 676, and PSY 613. Additional courses, including electives, are planned jointly by the student and his adviser.

PLAN II—An individual with a non-education baccalaureate degree can prepare for the teaching of Varying Exceptionalities through Plan II. Ordinarily, it will take more than one academic year to complete the program. Individually designed course of study will include a minimum of 61 credit hours to include 45 credit hours selected from Special Education courses with an emphasis on Varying Exceptionalities.

Speech Pathology (ESP/SPY)
A five-year program terminating in an M.A. in Special Education: Speech Pathology is available to undergraduate students. See Undergraduate Section. Students who already have a baccalaureate degree in Speech Pathology or a related area (such as Speech, English, Psychology, Education, Nursing, and others) are encouraged to enter the graduate program in Speech Pathology. They must take the requirements of the fifth year of the Speech Pathology sequence. The prerequisites to the courses in the fifth year may be waived by demonstration of proficiency or by electing suitable substitutes.

Requirements of the fifth year are: EDS 531 or PSY 613, EDS 611, SAI 681 or EDC 699, SAI 576, 577, 578, 580, a minimum of three 600-level SAI courses, and the Process Core for the M.A. in education. In addition, six hours must be taken in SAI 698 (Practicum in Speech Pathology).
Planning of such a graduate program must be approved by a Speech Pathology adviser.

■ SPEECH COMMUNICATION EDUCATION (SPH)
Admission requires a bachelor’s degree from a recognized institution, and approval of the Speech Communication Education faculty.
Course requirements range from 53 to 61 hours:
Plan I process core requirements; 10 hours in speech communication education; and 35 hours in speech communication divided as follows: 15 hours in rhetoric and public address, 10 hours in oral interpretation of literature, 5 hours in speech science, and 5 hours of graduate seminar in speech communication.
Each candidate for the M.A. in Speech Communication Education must successfully complete a written and oral comprehensive examination.

■ VOCATIONAL EDUCATION
Adult Education (VAD)
1. In consultation with the graduate adviser, a program will be planned which will include a minimum of 45 credit hours. Specialization requirements of 27 credit hours in Adult Education are designed to provide competencies in organization and administration, supervision, adult learning characteristics, curriculum development, program planning, methods of teaching and research techniques as each of these relate to adult education programs. Generally, specialization courses will be selected from the following, depending upon the individual’s background of experience: EDV 445, 503, 505, 506, 507, 631, 661, 671, 687.
2. Requirements in a related area may include a concentration of courses in one of the following areas: psychology, sociology, guidance, administration, complementary basic, or a vocational field.

Business and Office Education (VBU)
1. A minimum of 12 credit hours in the specialization area of Business and Office Education. Individualized programs will include courses to be taken from the following: EDV 503, 506, 507, 621, 631, 687. Any deficiencies needed for business teacher certification must be included in the Master’s candidate’s program.
2. Selected courses from which to choose in Vocational and Adult Education: EDV 431, 445, 480, 503, 504, 505, 506, 507, 511, 605, 621, 631, 641, 651, 661, 671, 687.
3. Selected courses in one related area such as Guidance, Special Education, Business Administration, Junior College, Administration or Supervision (4-12 credit hours).

Distributive Education (VDE)
1. Appropriate College of Business Administration courses in marketing, management, economics, finance, and accounting for Distributive Education teacher certification (22 credit hours maximum).
2. Distributive Education (minimum of 12 credit hours) EDV 431, 445, 480, 503, 504, 505, 506, 507, 511, 621, 641, 651, 661, 671.
3. EDV 687 Seminar in Distributive Education Research.
4. Selected courses in a related area such as Business Administration, Administration, Supervision, Guidance, Special Education, and Junior College (4-12 credit hours).

Industrial-Technical Education (VIT)

PLAN I—Before admission to a degree program, a student must have met certifiable vocational or industrial work qualifications. In addition to the Process Core requirements, EDV 631, 651, 661, 671, and 687 are specialization requirements. Courses totaling a minimum of 45 credit hours will be a part of the student's program which he will plan with the graduate adviser for industrial education.

Related electives (0-16 credit hours). See areas of specialization listed above.

The PLAN II program in Vocational and Adult Education is designed primarily for non-certificated teachers. The candidate is required to complete additional professional education courses—usually EDC 501 and EDC 691, which are in excess of the normal Process Core requirements. A student will be advised of other courses which he must complete. Master's degree candidates wishing to be certified must meet the state's minimum certification requirements in the area of specialization.

■ JUNIOR COLLEGE TEACHING PROGRAM

PLAN II—The University of South Florida has developed a program for junior college teachers which leads to the Master of Arts degree and Florida State Department of Education certification at this level. The College of Education, in close cooperation with the other colleges on the campus, has formulated the program.

The Junior College program includes:

Astronomy  Economics  Physics
Biology  French  Political Science
Business  Geography  Psychology
Chemistry  Geology  Sociology
English  History  Spanish
Engineering*  Mathematics  Speech
Communication

*Engineering bachelor's degree required.

Admission and Advising

Because of the unique character of the Junior College Program which integrally involves two colleges of the University, there are admission and advisory regulations which go beyond those listed in the section dealing with Graduate Study.

ED.S. PROGRAM

The Education Specialist (Ed.S.) program has been developed to provide for state-approved Rank I-A certification.

The program offers specialization in Elementary Education, with emphasis on urban education.

The Ed.S. degree is a terminal degree program. The course of study is designed to extend the competencies of the professional educator. The program is not structured to provide initial exposure to the field of study. The applicant to the program will be expected to have certification, experience, or post-baccalaureate study in the specialization.

Inquiries about this program should be directed to the Coordinator of Graduate Studies, College of Education, University of South Florida.
PH.D. PROGRAM

The Doctor of Philosophy degree is available in Education. Specialization is in Elementary Education with research emphasis on problems of urban education.

The general admissions and degree requirements for the Ph.D. appear elsewhere in this Bulletin (page 45). All general requirements must be met as well as special requirements within the College of Education. Such requirements for full admission to doctoral study include: evidence of high scholastic achievement both at the baccalaureate and master's levels, adequate professional experience appropriate to the student's field of interest, a satisfactory measure of verbal and quantitative ability as indicated by the Graduate Record Examination (GRE), and any other credentials or testing as required in individual cases or by the department. The student's specific program is planned with his supervisory committee.

Inquiries about this program should be directed to the Coordinator of Graduate Studies, College of Education, University of South Florida.
COLLEGE OF ENGINEERING

Our modern technological society has placed many demands on both the engineer and the engineering profession. The engineer has always had the responsibility and obligation to use knowledge for the benefit of mankind. The more recent impact of science and technology on our life style and even our existence has placed a new sense of responsibility on both those who are providing engineering education and those who are being educated. The College of Engineering takes a modern approach to the education of tomorrow's engineers and to those programs under its direction which are vital to our technological progress. It provides for individual development both in technical competency and human values.

The College of Engineering offers a number of programs to meet the diverse requirements of our technological society. The degrees or services associated with these programs are as follows:

**Engineering Degree Programs**
- Bachelor of Science in Engineering degree (Professional Program) — various options
- Master of Science in Engineering degree (Thesis or Project)
- Master of Engineering degree (Non-Thesis)

**Applied Science and Technology Degree Programs**
- Bachelor of Science in Engineering Science degree — Computer Science Option
- Bachelor of Science in Engineering Science degree — other options

**Engineering**

The Engineering programs of the College have been developed with an emphasis on three broad aspects of engineering activity—design, research and the operation of complex technological systems. Students who are interested in advanced design or research should pursue the Five-Year Program leading to the Master of Science in Engineering degree. Other students interested more in operational responsibilities may wish to complete their initial engineering education at the baccalaureate level. For this purpose a Bachelor of Science in Engineering degree is offered which provides the student a broad education with sufficient technical background to effectively contribute in many phases of Engineering not requiring the depth of knowledge needed for advanced design or research.

While the baccalaureate degree is considered the minimum educational experience for participating in the Engineering profession, students are strongly encouraged to pursue advanced work beyond the baccalaureate either at this or other institutions. It is becoming increasingly evident that a large segment of today's Engineering profession is involved in some form of post baccalaureate study. Engineers are earning advanced degrees in ever increasing numbers in order to obtain the information and training necessary to meet tomorrow's technological challenges. All are faced with the continuous problem of refurbishing and updating their information skills and most are obtaining advanced information by means of seminars, special institutes and other such systems designed for this purpose.

The Bachelor of Science in Engineering degree program, which requires 201 quarter hours, and the five year program leading to the Master of Science in Engineering degree, which is an integrated program of 246 quarter hours, are the programs specifically designed to prepare an individual for a professional career as an
engineer. Both programs have as their foundation a 152 quarter hour core of subject material encompassing Humanities, Social Science, Mathematics, Science, and Engineering which is required of all students. In addition to the core subject material each student will complete a specialization option under the direction of one of the administrative departments of the College. Those options which are available and the administrative unit responsible for the options are as follows:

<table>
<thead>
<tr>
<th>Option</th>
<th>Department</th>
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<tbody>
<tr>
<td>General</td>
<td>All Departments</td>
</tr>
<tr>
<td>Chemical</td>
<td>Energy Conversions &amp; Mechanical Design</td>
</tr>
<tr>
<td>Electrical</td>
<td>Electrical &amp; Electronic Systems Design</td>
</tr>
<tr>
<td>Mechanical</td>
<td>Energy Conversion &amp; Mechanical Design</td>
</tr>
<tr>
<td>Industrial</td>
<td>Industrial Systems Design</td>
</tr>
<tr>
<td>Structures, Materials &amp; Fluids</td>
<td>Structures, Materials &amp; Fluids</td>
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</tbody>
</table>

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 Dean's office furnishing sufficient detail to permit meaningful response.

**Engineering Advising**

Effective pursuit of engineering studies requires careful attention to both the sequence and the type of courses taken. The engineering curriculum differs in key respects from the study plans of other majors—even in the freshman year. It is therefore important that each student plans a curriculum with, and has it approved by, a faculty adviser in the College of Engineering.

Students new to the University and students transferring from other colleges within the University must contact the Coordinator of Engineering Advising in the Dean's office for a faculty adviser assignment prior to, or during their first registration. Students who have made a decision regarding the engineering option they plan to follow are assigned a faculty adviser in the department corresponding to their interest. Students who have decided to follow a program of engineering studies but who are undecided on the specialty are advised in the Dean's office.

The student and adviser jointly work out a plan of study which meets both the student's career objectives and the College of Engineering’s degree requirements. A student may change adviser with the concurrence of the new adviser and the Dean’s office. The advisers maintain the College of Engineering’s student records. A student transferring within the University must notify the old college of the transfer and request his/her records be sent to the College of Engineering.

**Departments & Programs**

The supervision of the academic programs for the College is the function of the four administrative departments together with several coordinators. The departments are responsible for the professional program in engineering with the coordinators responsible for the special programs in Engineering Science, Engineering Technology, and Engineering Concepts. Each department is responsible for programs, faculty, laboratories and students assigned to it.

**Electrical and Electronic Systems (EGE)**

This department offers study in all areas fundamental to Electrical Engineering and the electrical sciences: circuit analysis and design, electronics, communications, electromagnetics, control, solid state, systems analysis, electronic computer design, etc. Basic concepts are augmented with well-equipped laboratories in networks, electronics, automatic control, digital systems, electromechanics, microwave techniques and communications. In addition a small general purpose computer facility and a microelectronics fabrication laboratory are available to undergraduate and graduate students. The department administers the Electrical Option of the
Bachelor of Science in Engineering (B.S.E.) degree program, the Master of Engineering (M.E.) degree program in Electrical Engineering, and the area of Electrical Engineering for the Master of Science in Engineering (M.S.E.) degree.

**Energy Conversion and Mechanical Design (EGR)**

This department offers study pertinent to the analysis and design of machines and systems needed by our modern society. In addition to courses dealing with the classical Mechanical and Chemical Engineering subjects of lubrication, vibration, and fatigue analysis, machine design, thermodynamics, heat transfer, environmental control, transport phenomena and reactor dynamics, it provides instruction in other fields of increased importance to the engineers of the future. Some of these fields are computer simulation, instrumentation, automatic control, power utilization, acoustics, and nuclear processes. This department administers the Chemical and the Mechanical Options of the Bachelor of Science in Engineering (B.S.E.) degree program, as well as the area of Mechanical and Chemical Engineering for the Master of Science in Engineering (M.S.E.) degree.

**Industrial Systems (EGS)**

This department offers study pertinent to the design, evaluation, and operation of a variety of industrial systems ranging from manufacturing plants to service industries. Such topics as plant facilities design, production control, measurement and methods design, economic evaluation, etc., are studied along with computers, operational research and statistical techniques. The department administers the Industrial Option of the Bachelor of Science in Engineering (B.S.E.) degree program, the Master of Engineering (M.E.) degree program in Engineering Administration, the area of Industrial Engineering for the Master of Science in Engineering (M.S.E.) degree, and instructs students in Computer Service courses offered by the University of South Florida.

**Structures, Materials, and Fluids (EGX)**

This department is concerned with those contemporary problems in engineering which tend to be multidisciplinary and require understanding and skill in the application of the principles of structures, engineering materials, fluids, and solid mechanics. Course work in Civil Engineering, Engineering Mechanics, and Materials Science is offered. Topics included are structural analysis, design and optimization, corrosion, polymers, fracture mechanics, water resources, fluid mechanics, aerodynamics, vibrations, continuum mechanics, soil mechanics, x-ray diffraction, hydrospace engineering, gas dynamics, wave propagation, and numerical methods. The department administers the Structures, Materials and Fluids Option of the Bachelor of Science in Engineering (B.S.E.) degree program, and offers several concentrations within this option. It also administers the area of Structures, Materials and Fluids for the Master of Science in Engineering (M.S.E.) degree.

**ENGINEERING CORE AND SPECIALIZATION**

Both the four-year and five-year curricula of the College of Engineering are founded on a common core of course work which is required of all students. This course work 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: a solid foundation in science and mathematics, a basic understanding in all major engineering disciplines, and familiarity with Social Science and Humanities — to develop the whole individual.

This common foundation of 152 minimum quarter hours breaks down as follows:

**Core Requirements**

1. **Social Science, Humanities, and Other Non-Technical Core Requirements (47 credit hours minimum)**

Prospective Engineering majors must take a minimum of 8 credit hours each of English Composition, Humanities, and Social and Behavioral Sciences course work. This course work meets the University's Distribution Requirements. In addition, 12 credit hours of advanced course work (200 level and higher) in the field of Humanities and the field of Social and Behavioral Sciences, and 11 credit hours selected from any non-technical area are required. It is recommended that the student pursue specific subject areas to some depth, since this develops areas of knowledge and interests which aid fuller development of the individual and later assist in relating a professional career to non-technical environments and situations.

It is desirable that at least 35 hours of this course work be taken in the first two years. Students are responsible for checking with their advisers to be sure that the specific courses they are taking meet the requirements of the Bachelor of Science in Engineering degree program.

Students who transfer from a State of Florida community college with an Associate of Arts degree and who have met that college’s General Education Requirement will normally find that their General Education course work satisfies the major portion of this Social Science, Humanities, and Other Non-Technical Core requirement.

2. **Mathematics and Science Core Requirements (49 credit hours minimum)**

The student must take MTH 302, 303, 304; CHM 211, 212, 213; PHY 301, 302, 303, 304, 305, 306. Students must also take MTH 305, 401, and PHY 323 or appropriate individual substitutions as approved by their College of Engineering adviser.

3. **Engineering Core Requirements (56 credit hours minimum)**

The prospective engineering major must take EGB 101, 102, 203, 231, 232, 311, 312, 313, 321, 322, 325, 337, 340, 341, 342, 343. EGB 208, 209 may be substituted for
FOUR-YEAR PROGRAM—
BACHELOR OF SCIENCE IN
ENGINEERING DEGREE (EGU)

The program consists of a minimum of 152 credit hours of core course material plus 49 credit hours of specialization. The degree, Bachelor of Science in Engineering, is awarded upon successful completion of the program with options designated in the respective area of specialization.

1. General Option (49 credit hours)

All professional departments may offer the general option which consists of 49 credit hours of course work individually arranged by the student with the approval of the student’s adviser. This option is used where a student wishes to deviate from a prescribed disciplinary option utilizing course work from several different disciplines both within and without the College of Engineering.

2. Option in Chemical (49 credit hours)

This option which consists of 49 credit hours of course work is designed in the respective area of specialization.

3. Option in Electrical (49 credit hours)

This option which consists of 49 credit hours of course work is designed in the respective area of specialization.

4. Option in Mechanical (49 credit hours)

5. Option in Industrial (49 credit hours)

6. Option in Structures, Materials and Fluids (49 credit hours)

Areas of Concentration
a. Structures (21 credits hours)

b. Materials (21 credits hours)
c. Fluids (21 credit hours)
   EGX 530 Fluid Mechanics III (4)
   EGX 538 Aerodynamics (3)
   EGX 535 Water Resources Engineering I (4)
   EGX 536 Water Resources Engineering II (4)
   Approved Technical Electives (6)

d. Civil Engineering (21 credit hours)
   EGX 411 Concepts of Structural Design (4)
   EGX 481 Transportation I (4)
   EGX 485 Soil Mechanics I (4)
   EGX 535 Water Resources Engineering I (4)
   Approved Technical Electives (5)

e. Water Resources (21 credit hours)
   EGX 535 Water Resources Engineering I (4)
   EGX 536 Water Resources Engineering II (4)
   GLY 553 Advanced Hydrogeology (5)
   Approved Technical Electives (8)

FIVE-YEAR PROGRAM—
MASTER OF SCIENCE IN
ENGINEERING DEGREE (EGG)

This program consists of a minimum of 152 credit hours of core course material plus 94 credit hours of specialization including a maximum of 18 hours of research or design project. Students are admitted to this program early in the beginning of their fourth year of study based on an evaluation by the faculty of their department. Unlike the traditional master’s degree which is attempted as a fifth year after completion of the baccalaureate degree, in this program both the fourth and fifth years are open to graduate level course work and additional calendar time is available for design or research projects.

The program leads concurrently to both the Master of Science in Engineering degree and the Bachelor of Science in Engineering degree with the specialization phase of the program being individually arranged and involving course work, design, research and/or operational experience. Should the student be unable to complete the full five years, the baccalaureate can be awarded provided the requirements for that degree have been met. Either an engineering report or a research thesis is required. See later section relative to master’s program for additional information.

OTHER REQUIREMENTS FOR ENGINEERS

1. Humanities and Social Science Requirements

While the engineering undergraduate student is expected to complete certain requirements during the first two years of study which are directed toward the humanities and social sciences, and which are fulfilled by the completion of the distribution requirements of the University (or general education requirements at other institutions), the University of South Florida 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. The undergraduate engineering program at the University requires, in addition to the distribution requirement of the University an additional 23 credit hours of Humanities, Social Sciences, and other non-technical course work.

Similarly, a Florida community college transfer student must take, in addition to the General Education requirement, 12 credit hours of study in the Humanities and Social Sciences during the junior and senior years.

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. This examination will be administered by the faculty of the University’s English program and students evidencing a deficiency will be required to initiate the necessary corrective programs, with the assistance of their advisers. Correction of any deficiency must be effected prior to recommendation of the student for graduation by the faculty of the College.

Foreign students entering the College of Engineering must have taken for advising purposes the Test of English as a Foreign Language (TOEFL), and have the score sent to the University’s Admissions Office. A full-time student is expected to achieve a score of 600 or better.

3. Mathematics Requirement

Students who are pursuing an engineering program are expected to acquire a facility for the rapid and accurate solution of problems requiring the use of mathematics. This requirement includes the ability to translate physical situations into mathematical models. Students evidencing a lack of manipulative ability or the ability to apply mathematics will be required to take remedial course work in engineering analysis and problem solving that is over and above their regular degree requirements. Faculty of the College who encounter students who are deficient in their mathematical ability will refer such cases to the Office of the Dean.

4. Continuation Requirements

All undergraduate students registered in the College of Engineering are expected to maintain the minimum of 2.0 average (“C” average) for all work attempted while registered in the College. Students who do not maintain this requirement will be declared ineligible for further registration for course work and degree programs in the College unless individually designed continuation programs have been prepared by the student’s adviser and approved by the academic committee of the College.

Key courses, including but not limited to MTH 302, 303, 304, PHY 301, 303, 305, and Engineering core courses in the student’s area of specialization, must be passed with a grade of “C” or better before taking the next course in the sequence.

Students pursuing an engineering degree program are expected to take their courses on a graded (ABCDF) basis. (Exceptions are required courses not available on a graded basis.)
5. Requirements for Graduation

In addition to the completion of the course work and/or project requirements of the respective programs of the College, students must be recommended for their degrees by the faculty of the College. It is expected that students completing their master’s program would have completed their advanced work with a minimum average of 3.0 or “B.” The awarding of a baccalaureate degree requires a minimum average of 2.0 or “C” for all work attempted while registered in the College. Students attempting but not completing their professional master’s requirements may elect to request the awarding of the bachelor’s degree, provided they have met that degree’s requirements.

ENGINEERING MASTER’S DEGREE PROGRAMS

The College of Engineering offers three professionally oriented programs leading to a degree at the master’s level. These are the post-baccalaureate Master of Science in Engineering degree program, Master of Engineering degree program, and the Five-Year Master of Science in Engineering degree program. Each professional department may elect to award one of these degrees depending upon prior arrangements with the student. Admission to the master’s program is dependent upon a favorable evaluation by the department concerned. Applicants are expected to meet the minimum requirements of the University and those outlined below and in addition any special requirements specified by the departments and reported to the Dean of the College. Other requirements may be considered.

POST-BACCALAUREATE MASTER OF SCIENCE IN ENGINEERING DEGREE (EGP)

This graduate program of the College is designed for those students wishing advanced study which is research or design oriented.

Entrance Requirements

1. A baccalaureate degree in Engineering from an approved institution is required. Degrees in Mathematics, Physics, Chemistry and other fields may be accepted on an individual basis to meet this requirement. In such cases it is probable that remedial work in engineering will be necessary.
2. A minimum total score of 1000 on the verbal and quantitative portions of the Graduate Record Examination and/or a minimum grade point average of 3.0 out of a possible 4.0 for all work attempted during the last two years of undergraduate work is required.
3. Those who do not meet the regular entrance requirements may attempt a trial program as a special non-degree seeking student. Up to 12 hours of work attempted on this basis may be accepted into a graduate program upon satisfactory completion. Before attempting such a trial program the student should determine from the departmental adviser a list of courses and performance criteria for admission.

Program Requirements

1. A minimum of 45 credits of approved course work is required.
2. An overall grade point average of 3.0 is required for all work attempted in the program. No grade below “C” may be accepted in a graduate program. In the event that a student’s average drops below 3.0 the student will be placed on a probationary status and must obtain a directed program from his/her adviser approved by the Dean, prior to continuing course work toward the degree.
3. All students are required to pass a final comprehensive examination which may be written or oral prior to awarding the degree. These examinations are arranged and administered by the student’s graduate committee.
4. Students in this program must complete a design or research project on which up to 9 credits may be used to fulfill degree requirements. The course 699 with the appropriate departmental prefix is to be used for this purpose.
5. If a thesis is submitted it must be in accordance with the Handbook for Graduate Theses and Dissertations, University Graduate Council. For design projects a comprehensive report must be filed with the Office of the Dean of Engineering following, where practical, the guidelines of the handbook.

The students working on design and research projects must register for a minimum of 3 credits of course 599 or 699 with the appropriate departmental prefix each quarter the staff, facilities and laboratories of the University are used whether or not the student has accumulated the maximum credit allowed for research or design toward the degree. All students must register for 3 credits of course 698 or 699 with the appropriate departmental prefix during the quarter in which they submit their thesis or project report.

MASTER OF ENGINEERING DEGREE PROGRAM (EGM)

This non-thesis degree program is designed primarily to meet the needs of engineers actively engaged in the profession who wish to pursue graduate study at the master’s level.

Entrance Requirements

Entrance requirements for the Master of Engineering program are the same as those for the post-baccalaureate Master of Science in Engineering degree program. It is usually expected that those applying to this program will be experienced or actively engaged in the engineering profession.

Program Requirements

1. A minimum of 45 credits of approved course work is required.
2. Students must maintain overall grade point average of 3.0 out of a possible 4.0. No grade
below "C" will be accepted in a graduate program. In the event that a student's average falls below 3.0 the student will be placed on probationary status and must obtain a directed program from his/her adviser and approved by the Dean prior to continuing further course work toward the degree.

3. All students are required to pass a final comprehensive examination which may be written or oral prior to awarding the degree. These examinations are arranged and administered by the student's department.

4. Students in this program must register for 3 credits of course 698 with the appropriate departmental prefix during the quarter in which they apply for the degree. This will be used as preparation for and administration of the final examination. This credit may not be used as part of the course work requirement.

THE ENGINEERING FIVE-YEAR MASTER'S DEGREE PROGRAM (EGG)

This program consists of a minimum of 246 credits of course work and results in concurrent awards of the Bachelor of Science and Master of Science in Engineering degrees. Unlike traditional master's programs following the baccalaureate degree, in this program both the fourth and fifth years are open to graduate level study and additional calendar time is available for research or design projects.

Entrance Requirements

1. Students who have senior standing (135 credits) with at least 24 credits completed at the University of South Florida in the engineering curriculum may apply for admission to the Five-Year Program.

2. A minimum total score of 1000 on the verbal and quantitative portions of the Graduate Record Examination is expected.

3. Above-average performance in the engineering program is expected.

Students apply for admission to this program through their department. They should consult their adviser when they need additional information.

Program Requirements

1. A minimum of 246 credits of approved course work must be compiled. Of this total 152 credits must comprise the engineering central core with an additional 94 credits of specialization. A maximum of 18 credits may be allowed for design and research.

2. Students admitted to the five-year program are expected to maintain a superior level of academic performance. A 3.0 out of a possible 4.0 grade point average is expected in the courses in the student's graduate course of study. A student in the Five-Year Program who fails to maintain the required academic standards will be placed on probation. Failure to comply with the terms of the probation will result in the student being dropped from the program.

3. Students in this program must complete a design or research project for which up to 9 credits of course 599 and up to 9 credits of course 699, with the appropriate departmental prefix, may be used to fulfill their degree requirements.

4. If a thesis is submitted it must be in accordance with the Handbook for Graduate Theses and Dissertations, University Graduate Council. For design projects a comprehensive report must be filed with the office of the Dean of Engineering, following where practical the guidelines of the handbook.

5. All students are required to pass a final comprehensive examination which may be written or oral prior to awarding the degree. These examinations are arranged and administered by the student's graduate committee.
Applied Science and Technology—Engineering Science

Several degree programs and a series of courses are offered by the College of Engineering which are designed for students who do not wish to pursue professionally oriented degree programs in engineering but who wish to obtain a technical background coupled with other interests.

Engineering Science presents an attractive choice for students who seek to prepare themselves for work in areas which have not yet crystallized into general recognition as engineering disciplines. These may involve biological, social or psychological science as well as the usual chemical, computational, and physical components. Many professionals in fields other than engineering also see the program in Engineering Science as a rigorous course of study in “liberal science” that is highly desirable as a background for graduate study in law, medicine or business, and based on the option chosen.

Preparation for Engineering Science

Students anticipating pursuit of studies in Engineering Science should follow the guidelines given for Engineering in this bulletin when planning their high school and/or community college studies.

Engineering Science Advising

Students pursuing a course of study in Engineering Science are assigned to an adviser who is familiar with the requirements of this program and whose special interests match the student’s specialization objectives. Comments and requirements spelled out in the section on Engineering Advising in this bulletin are applicable to this program.

FOUR-YEAR PROGRAM—BACHELOR OF SCIENCE IN ENGINEERING SCIENCE DEGREE (EGC)

The College of Engineering offers a curriculum leading to the Bachelor of Science in Engineering Science degree which stresses the scientific rather than the professional aspects of engineering. The curriculum is a four year program with a minimum requirement of 180 quarter hours, providing the student with an unusual depth of study in mathematics, science, and engineering without limiting the opportunities to broaden one’s education in humanities and social sciences. The exact composition of the curriculum followed by a given student is determined by the student with the advice and consent of the academic adviser, and based on the option chosen.

This program was initiated at the University of South Florida as a result of the closing of the School of Engineering Science at The Florida State University. In addition to broadening the educational objectives of the University of South Florida, it likewise provides an avenue for those students unable to complete their degree requirements at The Florida State University. Students who transferred to the University of South Florida from FSU can graduate under the catalog in which they entered that institution.

An option in Computer Science covers subjects that range from the elements of programming languages to the design and organization of computer systems. They also include the study of the hardware-software interfaces and the elements of digital machine design. The application of digital computers to problems in a variety of fields may be studied through the selection of specialized electives.

An option in Applied Mathematics covers applied analytical techniques to establish a more fundamental understanding of basic physical phenomena leading to engineering applications. Areas of mathematics considered from an applied viewpoint include modern algebra, theory of algorithms, classical advanced calculus, complex variables, probability and statistics, numerical procedures, approximation theory, operations research, and applied mathematical programming. The use of computers is emphasized. This program provides the student with an opportunity that is not available in either a pure mathematics curriculum or in a design-oriented engineering program.

An option in Biomedical Engineering provides a background for those anticipating a medically oriented career. The simulation and analysis of human systems and the computer processing of biomedical data (such as cardiac, pulmonary, and neural signals) form typical areas of concern.

An option in Environmental Science is available for students who desire to develop a broad interdisciplinary background necessary for careers in environmental protection with industry and government. Training is provided in the sociological sciences of politics, government, and social science; the communication arts (speaking and writing); and the scientific and technological aspects of air, water, and noise pollution.

Other options are available in such areas as Ocean and Energetics.

Baccalaureate Requirements (minimum 180 credit hours)

The Bachelor of Science in Engineering Science degree program requires a strong foundation in mathematics and science, foundation course work in the humanities, social sciences, and other non-technical areas, a basic knowledge of engineering fundamentals, and culminates in approximately one year of specialized—often interdisciplinary—studies. These basic requirements are further listed below.

1. Humanities, social science, and other non-technical areas requirement (42)
2. Mathematics and science requirement (45)
3. Engineering Science core requirement (41)
4. Specialization requirement (52)

(There may be minor variations from these numbers in special cases resulting from the FSU transfer or a specific, defined option.)

Other Requirements for Engineering Science

The English, Mathematics, Continuation, and
Graduation requirements for the Engineering degree program are applicable to the Engineering Science degree program.

**FIVE-YEAR PROGRAM—MASTER OF SCIENCE IN ENGINEERING SCIENCE DEGREE (EGC)**

Students who at the beginning of their senior year are clearly interested in graduate study are invited to pursue a five-year program of study leading simultaneously to the Bachelor of Science in Engineering Science and Master of Science in Engineering Science degrees. The keys to this program are:

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

Students apply for admission to this program through their adviser, and he should be consulted when additional information is needed. General requirements include:

1. Senior standing (135 credits) with at least 24 credits completed at the University of South Florida in the engineering science curriculum.
2. A minimum score of 1000 on the verbal and quantitative portions of the Graduate Record Examination is expected.
3. Above-average performance in the engineering science program is expected.

**POST-BACCALAUREATE—MASTER OF SCIENCE IN ENGINEERING SCIENCE DEGREE (EGC)**

The admission and program requirements (minimum 45 credit hours) for this degree are essentially the same as those itemized for the Master of Science in Engineering degree, page 76.

**DOCTOR OF PHILOSOPHY DEGREE IN ENGINEERING SCIENCE (EGC)**

Doctoral students previously enrolled at The Florida State University may complete their degree program at The University of South Florida under the catalog requirements in effect at the time of their graduate admission to The Florida State University (or as revised).

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**Engineering Technology**

The College of Engineering, in order to help serve the educational needs in engineering-related areas, offers a program leading to the degree Bachelor of Engineering Technology. This program provides for two years (90 quarter hours) of study for students who have completed an Associate of Science degree program in an engineering technology specialty, usually from one of the programs of the State System of Community Colleges.

**BACHELOR OF ENGINEERING TECHNOLOGY (ETK)**

The 90-credit university program relies upon the course work and technical competency of the community colleges to provide the basic information required in the student's area of specialization. It is the primary purpose of this program to provide a broad educational base in the understanding of technology, management, liberal arts, and social sciences and their interrelationships rather than to develop a higher degree of specialization. A portion of each student's program may be used for one of the areas of concentration listed below:

- Air Conditioning Engineering Technology
- Computer Systems Technology
- Construction Technology
- Electrical Power Engineering Technology
- Electronics Technology
- Industrial Engineering Technology
- Management Engineering Technology

These areas are designed to complement the technical work received at the community colleges and would usually not be in the same field in which the A.S. degree is awarded.

It should be noted by prospective students that this program is not intended to be an engineering program. Rather, its function is to bridge the gap between the design or research engineer, the technician, and management. Students entering this program will have their transcript annotated as to the institution from which their technical training was received as well as their technical specialization as designated by that institution.

**Admission**

In general, students are expected to have successfully completed an Associate of Science degree in Engineering Technology at a community college or to have accomplished equivalent work. Normally, the student should have completed a minimum of mathematics through applied integral calculus and a non-calculus physics sequence. If the student’s performance in his community college program indicates a reasonable probability of success in the Bachelor of Engineering Technology program, the student will be admitted to USF. Students are required to complete a minimum of 90 additional quarter hours to receive the Bachelor of Engineering Technology degree. Because this evaluation procedure is unique to the Bachelor of Engineering Technology program, the application for admission should clearly indicate the desired major field as "Engineering Technology." This application should be
filed through the Office of Admissions. Further information is available from:
  Coordinator for Engineering Technology
  USF St. Petersburg Campus
  830 First Street, South
  St. Petersburg, Florida 33701
  or
  Coordinator for Engineering Technology
  College of Engineering
  University of South Florida
  Tampa, Florida 33620

Location

The course work for this program is offered on both the Tampa campus and the St. Petersburg campus. On occasion, it may be necessary for a student at the St. Petersburg campus to go to the Tampa campus for a specific course, or vice versa. It should be noted that the St. Petersburg campus does not have dormitory facilities and students must arrange to live off campus. The Center Administrator of the St. Petersburg campus will assist where possible in locating housing.

Computer Service Courses

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

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

In order that the students may derive maximum benefit from the courses, according to their interests, the courses are further divided into two groups: (1) those courses of general interest to a wide variety of disciplines; and (2) those courses of particular interest to students in engineering and the physical sciences.

The service courses available for the non-engineering students include ESC 301, 302, 303, 304, 310, 311, 312, 501, 502 and 503. The courses designed for the engineering and physical science students include EGB 231, 232, EGS 423, 424, 425, 427, 533, 620, 621 and 622.
The College of Fine Arts serves the three-fold purpose of providing programs of study, theatres of practice, and programs of events for the University family, the surrounding community, and the citizens of the State of Florida.

Its prime objectives are: (1) to provide a broad but thorough education dedicated to the development of professional excellence in those who are highly talented in the fine arts, (2) to foster this feeling and commitment to aesthetic excellence in those preparing for teaching, and (3) to provide curricular studies and extracurricular activities designed to enrich the lives of the general University student and contribute to the overall human environment of the University community.

In addition to offering degree programs in the departments of Art, Dance, Music, and Theatre Arts, the college is the home of the Florida Center for the Arts and GRAPHICSTUDIO.

Programs in art education and music education are offered jointly by the College of Fine Arts and the College of Education. Studio and history courses in art, vocal and instrumental music for these programs are offered by the College of Fine Arts. (See programs under the College of Education.)

Florida Center for the Arts

In 1968, the University of South Florida created the Florida Center for the Arts as a unit within the College of Fine Arts. The various personnel and extra-curricular fine arts programs on campus were consolidated into one administrative structure to more efficiently concentrate on all three areas of the university's responsibility — education, research, and community service.

The functions of the Florida Center for the Arts are as follows:
1. To initiate and conduct programs which will bring students and the general public into contact with the highest level of professional activity in all the arts.
2. To offer opportunities for students and public to have direct contact with professional artists.
3. To conduct programs which will allow opportunity for specialized professional study or training in areas not covered by the regular academic structure of the University.
4. To develop programs which can relate the public school system to professional cultural activity.
5. To sponsor research and develop research facilities relative to the development of the arts.
6. To create exhibition and performance programs available for use on campus and throughout the state.
7. To plan and develop physical facilities for the Florida Center.
8. To conduct conferences, seminars and symposiums in the arts for general public exposure.
9. To make available professional consultant services.

The Florida Center is a service unit to the academic departments of the College and, also, supplements their educational functions with imported professional activity of the highest quality. The Center sponsors the performing artist series, the film art series, exhibitions in three galleries, and residencies of professional dance companies. In conjunction with the academic departments, it co-sponsors visits of performing and visual artists to the GRAPHICSTUDIO and other programs. The activities of the Center allow personal exposure of students to important creative talents and offer the serious Fine Arts major an invaluable educational opportunity.

Graphicstudio

GRAPHICSTUDIO was established in January, 1969, as a cooperative program between the Department of Art and the Florida Center for the Arts at the University of South Florida.

The development of the studio has been substantially aided by contributions from The National Endowment for the Arts, Washington, D.C.; The Syracuse China Corporation, New York; from students and local patrons.

GRAPHICSTUDIO at the University of South Florida was established to facilitate the production of prints in an atmosphere in which the artist is freed from the pressures of a commercial atelier. Artists are invited to participate for a period totaling approximately six weeks for proofing and editioning of their work.

The workshop is devoted to technical excellence and experimentation within a framework flexible to the needs of the artist. It is a non-profit studio which prides itself on the multiplicity of activities that it serves. Besides being a resource to the artist, it serves as a vehicle through which students and the community can have the opportunity to communicate with some of the most innovative artists on the current scene. The dialogue growing out of such a situation serves as an educational tool of prime quality. In addition, prints retained by the University are mounted in exhibitions for use on campus and are loaned without charge to other institutions.

GRAPHICSTUDIO is devoted to the creative act and to affecting students and public through contact with artists and the eloquence of their art.

SYCOM

The Systems Complex for Studio and Performing Arts—SYCOM—is an art-technology facility for innovative teaching, creative research and performance
graphic/spatial design. So nic arts alone, three major electronic music synthesisers, eight and fourteen track tape recorders and 16-channel quad mixing.

**Baccalaureate Level Degree Programs**

**Admission to the College**

A freshman student may elect to enter the College of Fine Arts as a potential major in one of the four departments as early as his initial entry into the University, provided that he has completed his first advisory period with the Division of University Studies. At that time, the new freshman has to correctly indicate his College and major choice on a form supplied by the University’s Office of Admissions. However, any student in the University in good standing, at whatever level, at any time (even in the middle of a quarter), can apply to change from another major or Undecided to a major in the College of Fine Arts irrespective of and without affecting course work in progress. The student desiring to make this change must acquire his advising records from his present adviser and take them to the College of Fine Art’s advising office, where new records will be initiated and maintained upon acceptance.

Transfer students and students from other units of this University with previous college or university fine arts course credits (art, dance, music, theatre) must have such courses evaluated by meeting the appropriate portfolio or audition requirements when they seek admission to the College of Fine Arts. These students are urged to make early arrangements for any necessary portfolio reviews or auditions, as well as advising appointments, since these must take place prior to course scheduling and registration. Further, students are required to take their own copies of their transcripts showing all previous college or university course work to advising, portfolio review and/or audition appointments. Additional information may be obtained and appointments may be made by telephoning or writing the College’s advising office or the office of the department of particular interest.

**Programs Leading to the Baccalaureate Degree**

The College of Fine Arts has programs leading to the Bachelor of Arts degree in the following fields:

- Art (ART)
- Dance (DAN)
- Music (MUS)
- Theatre Arts (TAR)

**Advising in the College**

The College of Fine Arts operates a central advising office located in the Fine Arts Building, staffed full time by the Coordinator, his assistant, and a secretary. This central advising facility is open daily from 8:00 a.m. to 12:00 noon and 1:00 p.m. to 5:00 p.m. throughout the University work year. It maintains the records of all major students in the College (art, dance, music, theatre) and provides on-going day-to-day academic advising and assistance to all students who seek it whether they are majors in the College or are potential new students or transfers from outside the University or from within. Upon admission to the College, the student with a declared major will be counseled in his selection of courses by an adviser from the major field. He will then plan the remainder of his college program to fulfill his educational needs and satisfy requirements for the Bachelor of Arts degree. The Dean will generally supervise his progress and ultimately certify the student for the degree.

**Course Availability in the College**

Any student in the University may take any course in any one of the various programs in the College appropriate to his level when he has the prerequisites for the course and when there is a vacancy in the course at the time of the student’s registration.

**Graduation Requirements**

The College of Fine Arts currently offers one undergraduate degree: Bachelor of Arts. These requirements are referred to on pages 33-34 of this catalog but are briefly summarized here:

1. 180 credits with at least a "C" average (2.0) in work done at the University of South Florida. At least 60 of the 180 credits must be in courses numbered 300 or above.
2. **Departmental Requirements**: Completion of a major in a subject or an integrated major involving several subjects with a minimum of 63 credit hours. Waiver for credit of up to 18 credit hours is possible by demonstration of competence. Review is by Faculty Committee.
3. **Free Electives:** To allow the student the opportunity to choose between a greater breadth and a greater depth of experience, 35 credit hours of free electives are permitted, only 28 hours of which may be taken in the department of the student’s major.

4. **Special Requirements:** At the discretion of the departments of the College, major students may be required to take up to 22 hours of courses outside the major department which are deemed necessary to meet the particular needs of individual students engaged in special areas of study in that department. Of these, at least 9 hours must be taken in one or more of the other departments of the College.

5. **General Distribution Requirements:** The remaining 60 credits of the student’s 180 credit hour degree requirement may be satisfied by completing the University’s General Distribution Requirement as explained on page 32 of this catalog. This requirement may also be satisfied by the A.A. degree holder from a Florida Junior or Community College or from another State University with General Education requirements met, the General Education requirements being broadly acceptable as the equivalent of the General Distribution requirement. (In this case, the College of Fine Arts will accept a total of 90 quarter transfer hours from the A.A. degree holder.) If, however, the student wishes to broaden the base of his education and insure the opportunity for a variety of contacts with *fundamental* content in a number of disciplines throughout his college career, he may elect to complete a 60 credit hour program of Fundamental Studies (recommended by the College of Fine Arts) as a substitute for the University’s General Distribution requirement. It must be pointed out, though, that this program is to be regarded as a four-year program, and that it is not to be considered as a substitute or equivalent for General Distribution studies programs pursued as *part of the requirements for the A.A. degree*. It may also be pointed out that this need not be of any concern whatsoever to the native student (commencing his college work at USF) desirous of a four-year program, or to the transfer student with the A.A. degree wishing the same, since the A.A. degree is in no way a requirement for acceptance into the College of Fine Arts (or into any one of its upper level degree programs), or a requirement for graduation from the University. The 60 quarter hour Fundamental Studies Program recommended by the College of Fine Arts must be distributed by groups as indicated below. To insure that the student is exposed to the content essential to each discipline, general courses designed for non-majors in any area are not acceptable as options within the program of Fundamental Studies. The student can obtain a list of acceptable courses from his departmental academic adviser or from the College advising office.

**GROUP A**

Students must complete a total of 32 hours in this group with a minimum of 8 hours in each area listed:

1. English*  
2. History**  
3. Philosophy*

**GROUP B**

Students must complete from 18 to 20 hours in this group as shown below:

1. Mathematics† or 10 hours in one Modern Foreign Language*  
2. Biology† or 8 hours in Biology Chemistry or 10 hours in Physics or Physics†

**GROUP C**

Students must complete from 8 to 10 hours selected from the areas listed below:

1. Anthropology**  
2. Astronomy†  
3. Economics**  
4. Geology†  
5. Political Science**  
6. Psychology**

*Colleges of Language and Literature  
**Colleges of Social and Behavioral Sciences  
†Colleges of Natural Sciences

6. Work transferred from other schools will not be included in the grade point ratio computed for graduation. (However, graduation with honors requires a 3.5 average in USF work and also in any previous college work attempted.)

7. A student must earn the last 45 credits in residence at the University of South Florida.

8. Completion of a senior appraisal is required. This is administered free to graduating seniors each quarter.

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**Master’s Level Degree Programs**

The College of Fine Arts offers two master’s level degree programs, the Master of Fine Arts (M.F.A.) in the Art department and the Master of Music (M.M.) in the Music department. The general University admissions requirements for graduate degree-seeking status and the regulations of the University governing graduate study are described beginning on page 40 in this bulletin. The general University application procedures are explained on page 12. When all of the information required for general acceptability into the University is received in the Graduate Admissions Office, the information gathered by that office will be forwarded to the appropriate department in the College of Fine Arts where the applicant’s final acceptance or rejection is actually determined.

**Master of Fine Arts Degree (Art)**

For consideration of acceptance into the Master of Fine Arts degree program, it is required that the applicant submit a portfolio of his work directly to the Art department. The portfolio usually consists of 35 mm slides for convenience in shipping, handling and presentation. Legitimate exceptions to this “rule” are
naturally acceptable, such as when the applicant's work is comprised of film or video tape, or in such other obvious cases when the nature of the work does not lend itself to slides, or when the work can be displayed or presented more conveniently and/or more effectively by delivering it personally to the Art department, or when the work itself and/or additional work is requested by the Art department to be sent or brought in. The "portfolio" should indicate a competent level of involvement in an area (or areas) of visual exploration and, when mailed, must be posted directly to the Coordinator of Graduate Studies, Art department, College of Fine Arts, University of South Florida, Tampa, Florida 33620, with a self-addressed return label and return postage.

A personal interview with an applicant is sometimes (though infrequently) requested by the Art department when it is considered necessary (and reasonable) in order to arrive at a final decision regarding the applicant’s acceptability into the graduate program. Travel in connection with any interview, requested by the Art department or by the applicant, is naturally at the applicant’s own expense. An applicant who would seek consultation with the Coordinator of Graduate Studies, with the Art Graduate Committee, or with any other member of the Art department for whatever reason and for whatever date or time would do well to write or telephone for an appointment in advance of his arrival on campus if at all possible.

The requirements for the M.F.A. degree are generally outlined in the section “Curricula and Programs” under Art, on page 85. The 600 level courses listed under “Graduate Students Only” on page 136 are courses limited to students in the M.F.A. program and normally account for a great majority of the 72 quarter hours the graduate student undertakes. Most of those courses, it will be noted, are repeatable. The graduate student is not restricted to 600 level courses, however. Courses at the 500 level are acceptable for credit towards the M.F.A. degree when taken as a part of a planned and approved degree program. Naturally, the graduate student must meet all the stated prerequisites for any course into which he wishes to enroll.

Master of Music Degree

The applicant seeking acceptance into the Master of Music Degree program must meet the University's general admissions requirements and make formal application for general University acceptability with the Graduate Admissions Office. Concurrently, or even before, but certainly not appreciably later, the applicant must arrange to fulfill the specific acceptance requirements in the Music department (of the College of Fine Arts). Full acceptance can not be given until the applicant satisfies: (1) performance audition, (2) placement examinations in music theory-literature and piano, and (3) completion of the Graduate Record Examination Advanced Test in Music. (See page 86 for “Requirements for the M.M. Degree” under “Music”.) Dates and times for auditions and examinations may be obtained by telephoning or writing the Music department (FAH 204), College of Fine Arts. Persons to contact directly are the Chairman of the Music department and the Graduate Music advisor, or the Coordinator of Graduate Studies (College of Fine Arts) for referral.

For courses in the music curriculum available “For Seniors and Graduate Students”, see page 199. Courses “For Graduate Students Only” are listed on page 200.

**SYCOM**

The applicant for either of the graduate programs in the College of Fine Arts is urged to refer back to page 81 for the description of SYCOM, the Systems Complex for Studio and Performing Arts. SYCOM is conceived to be a meeting lab for sculptors, composers, actors, dancers, film-makers, poets and other creative types, and is available to faculty, students at all levels, and visiting artists. SYCOM provides for the broadest and the most intensive kind of creative interaction out of which new art forms and media are allowed to develop and thrive.

**Interdisciplinary Study**

Upon consultation with the Coordinator of Graduate Studies, the Chairmen and the Graduate Advisers in the departments involved, and the Dean of the College of Fine Arts, an interdisciplinary sequence of study within the College may be tailored to suit the direction and the needs of the individual graduate student.

**Assistantships and Fellowships**

Applicants to a graduate degree program and students already accepted into a graduate degree program in the College who would desire a graduate teaching fellowship or a graduate fellowship should contact directly the Chairman of the department in which they are, or will be, principally involved. Teaching assistantships are rarely granted to beginning graduate students. Graduate fellowships, however, are available on a yearly basis to both new and continuing graduate students and are competitively awarded.

**Programs and Curricula**

**ART (ART)**

**Requirements for the B.A. Degree:**

The art curriculum is designed to develop the student’s consciousness of aesthetic and ideological aspects of art and its relationship to life and to assist students in the realization of personal ideas and imagery. Most B.A. recipients interested in college teaching, museum or gallery work, fine or commercial studio work pursue the extended discipline and experience offered at the graduate level.

Although the program allows many possible courses of study, most students will select one or two areas of emphasis chosen from the offerings in studio (painting, sculpture, graphics, ceramics, photography, film, drawing), history or theory.
Art Studio Concentration

The following are the requirements for a studio major:

1. ART 201, ART 202, and ART 301, each with a grade of "C" or better.
2. Minimum of 12 hours of 400 level studio courses. ART 201 is a prerequisite to all two-dimensional media courses; ART 202 is prerequisite to all three-dimensional courses; ART 301 is prerequisite to all 400 level studio courses.
3. Minimum of 12 hours of 500 level studio courses and/or techniques seminars. PR: 400 level equivalent, ART 201, ART 202, and ART 301.
4. Minimum of 12 hours in Idea Seminars and/or art history courses. Basic Seminar, ART 301, is a prerequisite to the Idea Seminars (ART 491). Art history has no prerequisites.
5. ART 453, ART Senior Seminar.
6. Additional art courses for a total of 63 credit hours.

Art History Concentration

Requirements are as follows:

1. ART 201 (4), ART 202 (4), and ART 301 (2).
2. Minimum of 20 hours of 400 level art history courses.
4. Minimum of 16 hours of ART 491 (2), and/or ART 570 (4).
5. ART 453 (3), ART Senior Seminar.
6. Additional art courses to total 63 credit hours.
7. Proficiency in at least one foreign language.

Special Requirements for All Art Majors

At the discretion of the Art Department, major students may be required to take up to 22 hours of courses outside the Art Department which are deemed necessary to meet the particular needs of individual students engaged in special areas of study in that department. Of these, at least 9 hours must be taken in the other departments of the College of Fine Arts.

Transfer credit will be given on the basis of portfolio and transcript evaluation.

The requirements for the bachelor's degree in Art Education are listed under the College of Education.

Requirements for the M.F.A. Degree:

General requirements for graduate admission are given on page 40.

Applicants to the Master of Fine Arts Degree program are also required to submit slides of their work for approval by a faculty committee. Students accepted initially are given "degree-seeking" status for up to three quarters. At that time, but not before the completion of 12 credit hours, students must submit their work for admission to "degree candidacy" status. At candidacy, the student will select a committee of three faculty members who will assist in his progress toward the degree. Members of the immediate family of departmental faculty are not eligible to enter the graduate degree program.

The M.F.A. Degree requires a minimum of 72 hours. With the exception of ART 682 (which must be taken at least twice), ART 683, ART 684, and ART 699, which are required, the specific course structure of any student's graduate program will be determined by Faculty Graduate Committee appraisal of the student's interests, capacities and background during his first quarter of residency. It should be noted that under normal circumstances, students will be encouraged to take a broad range of courses rather than move toward a specialization.

To meet his thesis requirement, the student must formally present a body of his graduate work in the quarter prior to graduation.

The student must be registered as a fulltime graduate student for at least two quarters of his residency.

The requirements for the M.A. Degree in Art Education are listed under the College of Education.

DANCE (DAN)

The dance curriculum is designed for students interested in dance as an art form. Their objectives may be to continue their education in graduate school, to teach in a college or a private school, or to pursue a career as a performer and/or choreographer.

Requirements for the B.A. Degree:

Dance majors are required to take DAN 201 (3), 202 (3), 203 (3), 301 (3) (six credits), 302 (3) (six credits), 303 (3), 311 (1) (three credits), 313 (3), 401 (3) (nine credits), 403 (3), 413 (3), 453 (3), 501 (3) (nine credits), 503 (3), 513 (3), for a total of 63 hours.

Dance majors are also required to take 35 hours of free electives. Of this time, a maximum of 28 hours may be in the Dance department.

Special requirements for dance majors come to 22 hours. Nine hours must be taken in the other departments of the College of Fine Arts. The remaining 13 hours will be assigned to the student based on his individual needs as determined by the department.

The University's General Distribution requirement consisting of 60 hours may be found on page 31. The above requirements total 180 hours.

Senior dance majors are required to choreograph and perform in a senior dance program.

For advanced placement, prospective students must contact the Dance department to arrange for an audition prior to registration. Beginning courses may only be repeated three times. For all other technique courses, a student must audition each quarter to stay at his present level or to advance to a higher level.

Students should refer to pages 82-83 for graduation requirements.

MUSIC (MUS)

The music curriculum is designed for those students gifted in the performance and/or composition of music. Candidates for a major in music are required to pass an entrance examination in their respective performance and/or composition areas. All new registrants are also required to take a placement examination in music theory and literature. Students may obtain dates and times for these examinations from the Music department office (FAH 204). Completion of these examinations is required before registration in music courses can be permitted.
Requirements for the B.A. Degree:

All students seeking a degree in music are required to (1) complete successfully the secondary piano requirements as defined by the music faculty, (2) present a partial public recital during their junior year, (3) present a complete public recital during their senior year. (Composition majors must submit a portfolio of their compositions and arrange for a public performance of their works during their senior year). These requirements are in addition to the actual course requirements listed below.

A total of 63 quarter hours is required, distributed as follows: 24 hours in Music Theory-Literature and 36 hours in applied music or 36 hours in Composition for composition majors (a minimum of three quarters at the 500 level is required), and MUS 453. Students enrolled for applied music must enroll for a minimum of one performing ensemble each quarter (ensemble(s) to be determined by the student's studio teacher). The above are basic music requirements. The Department of Music reserves the right to require additional remedial courses.

Requirements for the M.M. Degree:

General requirements for graduate work are given on page 43. In addition, the applicant for the Master of Music degree will need to satisfy the following requirements in music before initial registration: (1) performance audition, (2) placement examinations in music theory-literature and piano, and (3) completion of the Graduate Records Examination Advanced Test in Music.

The specific program for each student will vary according to his needs and interests. Each program must be approved by the student's adviser in conformance with the guidelines established by the Graduate Music Committee. A minimum of 54 quarter hours is required and a student must be registered as a full-time student for a minimum of two consecutive quarters.

THEATRE ARTS (TAR)

Requirements for the B.A. Degree:

All students must take TAR 201 (2), 211 (6), 212 (6), 213 (6), 339 (5), 471 (3), 501 (3), and 502 (3), plus any two of the Theatre Literature courses. Depending upon choice of concentration, additional requirements are—performance majors: TAR 311 (3), 313 (3), 413 (3), 511 (3), plus 6 hours elected in the discipline; technical majors: TAR 322 (3), 421 (3), 423 (3), 425 (3), 429 (3), 529 (3), choice of one of TAR 422 (3), 424 (3), 426 (3); playwriting majors: TAR 444 (3), 515 (3), 543 (3), 544 (3), plus one additional Theatre Literature course and 6 hours elected in the discipline; theory majors: TAR 311 (3), 313 (3), the four remaining Theatre Literature courses and either 411 (3) or 413 (3).

In addition to the above requirements, all students will be required to take TAR 453 (3), Theatre Senior Seminar.

Special Requirements for ALL Theatre Majors:

At the discretion of the Theatre Arts Department, major students may be required to take up to 22 hours of courses outside the Theatre Arts Department which are deemed necessary to meet the particular needs of individual students engaged in special areas of study in that department. Of these, at least 9 hours must be taken in the other departments in the College of Fine Arts.

Students should refer to pages 82-83 for graduation requirements.
COLLEGE OF LANGUAGE AND LITERATURE

The College of Language and Literature offers general and liberal education. Students may explore vocational interests and develop in this College breadth of knowledge and precision of intellect necessary for responsible leadership in our society.

More specifically, the College seeks:

1. To help students continue the exploration of new subjects affording fresh ideas and talents enriching to life.
2. To enable students to try out several fields as a means of determining the wisest vocational choice.
3. To give sufficient development within the chosen vocational field that the student will be prepared to obtain a job upon graduation or move successfully into a graduate or professional school.
4. To collaborate with the other colleges of the University in providing liberal courses to reinforce required training in those professional schools.
5. To cultivate independent thinking, creative imagination and value commitment in order that students may become constructive leaders in their chosen activities.

The College is concerned with language and literature in both the broad and specialized meanings of the terms. Whether the language be native or foreign, new or old, expressed or implied, students in this College are asked to explore it in the context of the beauty and utility it holds for man’s permanent thought. Literature is studied in the context of continuing tradition, as the expression of what is universally significant for man.

BACCALAUREATE LEVEL DEGREE PROGRAMS

Admission to the College of Language and Literature is open to all students who have been accepted to the University of South Florida, who are in good academic standing (see page 29), and who have declared themselves a major in a particular field within the college.

For entrance into the college, each undergraduate student must complete an application in the Office of the Coordinator of Advising. The student will then be assigned to an adviser from the major field and will be counseled in the selection of courses which will fulfill his/her educational needs and satisfy the requirements for the Bachelor of Arts degree.

General Requirements for Degrees

The degree of Bachelor of Arts will be conferred upon those who fulfill the requirements for degrees with majors in the fields of:

- American Studies (AMS)
- Anthropology-Linguistics (ANL)
- Classics and Ancient Studies (CLS)
- Classics and Ancient Studies & Modern Language (CLM)
- English (ENG)
- English-Linguistics (ENL)
- English-Speech Communication (ENS)
- Foreign Language-Linguistics (FLL)
- French (FRE)
- German (GER)
- Humanities (HUM)
- Italian (ITA)
- Liberal Studies (ALA)
- Mass Communications (COM)
- Modern Languages, combination (MOD)
- Philosophy (PHI)
- Religious Studies (REL)
- Russian (RUS)
- Spanish (SPA)
- Speech Communication (SPE)
- Speech Communication-Theatre Arts (STA)

A minimum of 180 quarter hours credit with an overall average of 2.0 or better in all work done at the University of South Florida must be completed in order to earn the Bachelor of Arts degree. The degree program must include 1) a basic distribution, 2) a departmental major, and 3) elective requirements.

General Distribution Requirement

This work comprises a total of sixty (60) quarter credits and may be spread over the normal four-year degree program. The requirement includes:

- Eight (8) hours credit in English Composition
- Eight (8) hours credit in Humanities/Fine Arts
- Eight (8) hours credit in Mathematics/Quantitative Method
- Eight (8) hours credit in Natural Sciences
- Eight (8) hours credit in Social and Behavioral Sciences

The remaining twenty (20) hours are to be divided among the last four areas at the discretion of the student and adviser.

The following list is for the information of students who are declaring a major in the College of Language and Literature and for their counselors. It is not a recommendation to students in other colleges nor is it intended to satisfy the requirements of any other college.*

*It is recommended that two courses from the same department make up the eight hours from each area except in English and Philosophy.
Area I—English Composition:
- ENG 101 English Composition (3)
- ENG 102 English Composition (3)
- ENG 103 English Composition (3)

Area II—Humanities/Fine Arts:
- ART 310 Introduction to Art (3)
- CLS 351 Classical Mythology (4)
- CLS 354 Greek Literature in Translation I. Poetry & Prose (4)
- CLS 355 Greek Literature in Translation II. Dramatic Literature (4)
- COM 300 Introduction to Mass Com (3)
- COM 301 The Popular Arts in America (4)
- ENG any one or two courses (3)
- HUM any 300 level (5)
- LAN any two courses in one language or in FRE, ITA, GER, SPA, RUS any two reading/translation courses (4)
- LIN 321 Language and Meaning (4)
- PHI any one course (4)
- REL 300 Introduction to Religion (4)
- REL 350 World Religions-Eastern (5)
- REL 351 World Religions-Western (5)
- REL 370 Contemporary Religious Thought (4)
- SPE 201 Fundamentals of Speech (5)
- SPE 202 Speech for Public Speaking (5)
- SPE 203 Oral Interpretation of Poetry (5)
- SPE 204 Oral Interpretation of Biblical Literature (5)

Area III—Mathematics/Quantitative Methods:
- ESC 301 Introduction to Computers I (3)
- ESC 302 Computer Programming-Fortran (3)
- ESC 303 Computer Programming-Cobol I (3)
- MTH 109, Functional Mathematics plus (4)
- MTH 110 one other (4)
- MTH 122 College Algebra (4)
- MTH 123 College Trigonometry (3)
- MTH 211 Elementary Calculus I (4)
- PHI 303 Logic (5)
- PHI 304 Scientific Method (4)

Area IV—Natural Sciences:
- AST 203 Descriptive Astronomy I (5)
- AST 204 Descriptive Astronomy II (5)
- AST 301 Introductory Astronomy I (5)
- AST 302 Introductory Astronomy II (5)
- AST 371 Contemporary Thinking in Astronomy (5)
- BIO 201 Fundamentals of Biology I (4)
- BIO 202 Fundamentals of Biology II (4)
- BIO 203 Fundamentals of Biology III (4)
- BIO 205 Food, Medicine, & Drugs (4)
- BIO 206 Genes & People (4)
- BIO 207 Environment (4)
- BIO 255 Sex, Reproduction, & Population (4)
- BIO 256 Evolution (4)
- BIO 257 Readings in Biology (4)
- CHM 211 General Chemistry I (4)
- CHM 212 General Chemistry II (4)
- CHM 213 General Chemistry III (4)
- CHM 371 Modern Chemical Science (4)
- GLY 201 Introduction to Geology (5)
- GLY 301 Introduction to Historical Geology (4)
- GLY 371 Geology of Our Nation's Parks (4)
- GPY 371 General Geography (4)
- HII 300 Introduction to Physical Science (4)
- PHY 201, 202 General Physics and Laboratory (4,1)
- PHY 203, 204 General Physics and Laboratory (4,1)
- PHY 205, 206 General Physics and Laboratory (4,1)
- PHY 301, 302 General Physics and Laboratory (3,1)
- PHY 303, 304 General Physics and Laboratory (3,1)
- PHY 305, 306 General Physics and Laboratory (3,1)
- PHY 371 Contemporary Physics (5)

Area V—Social and Behavioral Sciences:
- AFA 230 Introduction to Afro-American Studies (4)
- AFA 333 Afro-American History (4)
- AFA 334 Afro-American History (4)
- AMS 301 Introduction to American Civilization (plus one other) (5)
- ANT 201 Introduction to Anthropology (4)
- ANT 311 Physical Anthropology (4)
- ANT 331 Cultural Anthropology (4)
- ANT 371 The Anthropological Perspective (4)
- ECN 100 Contemporary Economic Problems (5)
- ECN 201 Economic Principles I (4)
- GPY 371 General Geography (5)
- HII 301 Main Currents of Western Thought I (4)
- HII 302 Main Currents of Western Thought II (4)
- HTY 100 The Idea of History (plus one other) (4)
- POL 199 Introduction to Political Science (plus one other) (4)
- POL 201 American National Government (4)
- POL 203 State and Local Government (4)
- POL 311 Comparative Politics (4)
- POL 331 International Relations (4)
- POL 333 International Organization (4)
- POL 338 Contemporary American Foreign Policy (4)
- PSY 201 Introduction to Psychology (5)
- PSY 313 Applied Psychology (4)
- PSY 401 General Psychology (4)
- SOC 181 Contemporary Social Problems (4)
- SOC 201 Introduction to Sociology (4)
- SOC 331 Social Psychology (4)
- SOC 341 Social Organization (4)
- SSI 100 World Prospective (4)
- SSI 201 Behavioral Science (4)
- SSI 202 Behavioral Science (4)
- SSI 300 Role in the World (4)
- SSI 383 Behavioral Science (2-5)
The Departmental Major

A departmental major consists of a concentration of course work in a specific department. The number of credit hours required for a major will vary from department to department, but in no case may the number of hours required be fewer than forty-five (45) nor more than sixty (60). There must be at least a cumulative grade point ratio of 2.0 in this major for all USF work passed.

Elective Requirement

Of the minimum of 180 quarter hours required for a Bachelor's degree in the College of Language and Literature, sixty (60) are normally earned in general elective courses. This number varies with the credit requirement for the major and should be treated as an average figure.

Physical Education credit earned before Spring Quarter (III) 1972, will not be counted toward the 180 quarter hours required for the degree. However, beginning with Spring Quarter (III) 1972, a student may take up to four elective PE courses to be counted toward his 180 hours for graduation. No transfer PE credit will be accepted by the College of Languages and Literature.

Work transferred from other schools will not be included in the grade point ratio computed for graduation. However, graduation with honors requires a 3.5 average in USF and previous college work attempted.

MASTER'S LEVEL
DEGREE PROGRAMS

The College of Language and Literature offers graduate programs leading to the Master of Arts degrees in the fields of:

- English (ENG)
- Philosophy (PHI)
- French (FRE)
- Spanish (SPA)
- Linguistics (LIN)
- Speech Communication (SPE)

The University requirements for graduate work at the Master's level are described on page 43ff. The departmental requirements are listed under the appropriate program descriptions.

DOCTOR OF PHILOSOPHY

The Department of English offers a program leading to the degree of Doctor of Philosophy. The University requirements for graduate work at the Doctor's level are given on page 45. Specific requirements for the degree are listed under the English department.

NON-DEGREE PROGRAMS

INTERDISCIPLINARY LANGUAGE-LITERATURE (LLI)

Interdisciplinary Language-Literature (LLI) is the prefix under which courses of an interdisciplinary nature not housed in a specific department or program within the College are offered. The primary objective of the courses has been to aid the student in expanding his understanding of the interrelations among the various disciplines.

HISTORY OF IDEAS (HII)

The program in the History of Ideas offers elective courses at the upper level in the interdisciplinary study of ideas fundamental in Western cultural history—e.g., Progress, Utopia, Mechanism. The methods of philosophical analysis are employed to the ends: (1) discerning how fundamental unit-ideas grow and develop logically and historically; and (2) discerning the scope of influence such unit-ideas, once developed, may have in relation to other ideas and to human action.
Programs and Curricula

**AMERICAN STUDIES (AMS)**

The American Studies major is designed for those students interested in studying the relationships among the important elements which shape American civilization. American Studies is a multidisciplinary program drawing not only upon courses carrying the AMS prefix, but also upon appropriate offerings from a variety of departments.

Students desiring to major in American Studies are reminded that an interview with a department adviser is mandatory.

**Requirements for the B.A. Degree:**

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Required Supporting Courses (12 cr. hrs.)</th>
<th>(no more than one course from each department)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 301 (5)</td>
<td>AFA 335 or 336</td>
<td></td>
</tr>
<tr>
<td>AMS 311 (5)</td>
<td>COM 301 (4)</td>
<td></td>
</tr>
<tr>
<td>AMS 312 (5)</td>
<td>ENG 330 or 331</td>
<td></td>
</tr>
<tr>
<td>AMS 313 (5)</td>
<td>or 332 (4)</td>
<td></td>
</tr>
<tr>
<td>AMS 491 (4)</td>
<td>HTY 411 or 412</td>
<td></td>
</tr>
<tr>
<td>AMS 492 (4)</td>
<td>HTY 421 or 422</td>
<td></td>
</tr>
<tr>
<td>AMS 493 (4)</td>
<td>HUM 535 or 536</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or 537 (4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PHI 413 (4)</td>
<td></td>
</tr>
</tbody>
</table>

**Related Electives (21 cr. hrs.)**

Appropriate courses to be selected from the following departments in consultation with an American Studies adviser: Afro-American Studies, Anthropology, Dance, Economics, English, Geology, Geography, History, Philosophy, Political Science, Religious Studies, Sociology, Speech Communication, and Interdisciplinary Social Science.

**CLASSICS AND ANCIENT STUDIES (CLS/CLM)**

**Requirements for the B.A. Degree:**

The Department offers a major in Classics and Ancient Studies (CLS) leading to the B. A. degree. Within this major, the student has a choice of four sequences: I. Latin. II. Classics (Latin-Greek). III. Ancient Studies. IV. Classical Civilization. Sequences I, II, and III consist of a core sequence of 22 credits plus one of three alternative sequences of 26 credits as follows:

<table>
<thead>
<tr>
<th>Required Core Sequence (22 cr. hrs.)</th>
<th>Alternative Sequence I (26 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 301 (3)</td>
<td>CLS 321 (5)</td>
</tr>
<tr>
<td>CLS 302 (3)</td>
<td>CLS 371 (4)</td>
</tr>
<tr>
<td>CLS 303 (3)</td>
<td>CLS 401 (3)</td>
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<tr>
<td>CLS 411 (3)</td>
<td>CLS 402 (3)</td>
</tr>
<tr>
<td>CLS 412 (3)</td>
<td>CLS 403 (3)</td>
</tr>
<tr>
<td>CLS 413 (3)</td>
<td>CLS 517 (4)</td>
</tr>
<tr>
<td>CLS 529 (4)</td>
<td>CLS 571 (4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alternative Sequence II (26 cr. hrs.)</th>
<th>Alternative Sequence III (26 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 321 (5)</td>
<td>CLS 331 (3)</td>
</tr>
<tr>
<td>CLS 331 (3)</td>
<td>CLS 332 (3)</td>
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<td>CLS 332 (3)</td>
<td>CLS 333 (3)</td>
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<tr>
<td>CLS 333 (3)</td>
<td>CLS 341 (3)</td>
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<tr>
<td>CLS 354 (4)</td>
<td>CLS 342 (3)</td>
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<tr>
<td>CLS 355 (4)</td>
<td>CLS 343 (3)</td>
</tr>
<tr>
<td>CLS 527 (4)</td>
<td>CLS 527 (4)</td>
</tr>
<tr>
<td>CLS 583* (4)</td>
<td>CLS 583 (4)</td>
</tr>
</tbody>
</table>


The fourth sequence is primarily intended for transfer students from a junior college who have little or no Latin in their background (they may enroll in Elementary Latin during their junior year). This sequence consists of 47-50 credit hours as follows:

| CLS 201 (3)                          | CLS 354 (4)                           |
| CLS 202 or 203 (3)                   | CLS 355 (4)                           |
| CLS 301 or 303 (3)                   | CLS 356 (4)                           |
| CLS 321 (5)                          | CLS 527 (4)                           |
| CLS 351 (4)                          | CLS 529 (4)                           |
|                                       | plus 9-12 cr. hrs. from among the following: |
|                                       | CLS 331 (3)                           |
|                                       | CLS 332 (3)                           |
|                                       | CLS 333 (3)                           |
|                                       | CLS 583 (4)                           |
|                                       | ART 471 (4)                           |
|                                       | REL 310 (4)                           |

Individual adaptations within the 26 variable credits of Sequences I, II, and III and within the 9-12 variable credits of Sequence IV, to meet special student needs, are possible with the consent of the Department Chairman. For electives, see the list following Sequences I, II, III.

Students majoring in Latin and a modern language (CLM) must take CLS 301 (3), 302 (3), 303 (3), 371 (4), 401-402-403 (3,3,3), 517 (4) and 571 (4); and modern language courses numbered 301 (4), 303 (3), 305 (4), 401 (4), 405 (4), 406 (4) and 516 (4), when available, in the modern languages.

**ENGLISH (ENG)**

**Requirements for the B.A. Degree:**

The program in English provides a flexible curriculum that recognizes the individual interests of students and offers a wide variety of professional choices. Designed to provide a logical, balanced, and complete sequence of courses in English studies, the curriculum gives the student a choice of seven tracks (exclusive of English-Education sequences, described under the section for the College of Education), as follows:

1. **English and American Literature, Early to Modern.** This track is designed to prepare undergraduates for advanced study in the profession. It focuses on the literature of England from the
earliest period through the 19th century and on
the "classical" period of American literature.
Required courses include ENG 311 (4), ENG 312
(4), ENG 313 (4), ENG 314 (4), ENG 315 (4),
ENG 330 (4), and ENG 331 (4). Beyond the core
requirement of 28 hours, to complete the major
the student is free to select a minimum of 20
hours and a maximum of 32 hours of additional
courses.

II. English and American Literature. Enlightenment
to the Present. Like Track I, this track is designed
to prepare undergraduates for advanced study
in the profession. The principal difference is that
this track emphasizes more recent literature,
beginning at the 18th century and coming up to
the present. Its core requirement of 32 hours
consists of ENG 300 (4), ENG 314 (4), ENG 315
(4), ENG 316 (4), ENG 317 (4), ENG 330 (4),
ENG 331 (4), and ENG 332 (4). Beyond these 32
hours, to complete the major the student is free to
select a minimum of 16 hours and a maximum of
28 hours.

Note: Tracks I and II may be combined for thorough
coverage of the entire Anglo-American literary tradi-
tion. In that case, the requirement of ENG 300
specified in Track II would be waived.

III. World Literature. This track is designed to meet
the interest of those students who are interested
in a scope of literary study that includes not only
Anglo-American literature but the literature (in
translation) of other nations of the Western
world. Its core requirement of 28 hours consists
of ENG 300 (4), ENG 301 (4), ENG 302 (4), ENG
340 (4), ENG 341 (4), ENG 342 (4), and ENG 343
(4). To complete the major the student is free to
select a minimum of 20 hours and a maximum of
32 hours. Students in this track who are interested
in doing graduate work in comparative literature
should develop a high degree of competency in at
least one language.

IV. General Literature. This track, somewhat innova-
tive, reflects the current interest in the relation-
ships between literature and other aspects of
contemporary culture and is designed to meet the
desire of some students for a more generalized,
culturally oriented approach to literature than
traditional literary studies customarily provide.
The wide-ranging eclectic survey consists of ENG
300 (4), ENG 301 (4), ENG 302 (4), ENG 310 (4),
ENG 360 (4), ENG 450 (4), and one course from
ENG 340 (4), ENG 341 (4), and ENG 342 (4). The
student has available a minimum of 20 hours and
a maximum of 32 elective hours.

V. American Literature. This track focuses upon our
national literature and reflects our own society,
past and present. This emphasis is justified by the
fact that much of the major literature written in
English during the 20th century has been produced
by Americans. Also pertinent is the current interest in the literature of Black
Americans and American Indians. Core require-
ments for this track include ENG 300 (4), ENG
301 (4), ENG 330 (4), ENG 331 (4), ENG 332 (4),
ENG 430 (4), and ENG 432 (4). In addition, the
Track V major has the usual minimum of 20 and
maximum of 32 elective hours available.

VI. Introduction to Creative Writing. This track
represents a new option for students. This
specific series of courses is designed for aspiring
fiction writers and includes, besides instruction in
writing techniques, four courses in the fiction of
various periods. Core requirements include ENG
350 (4), ENG 351 (4), ENG 450 (4), ENG 414 (4),
or ENG 425 (4), ENG 343 (4) or ENG 431 (4),
ENG 435 (4) or ENG 436 (4), and ENG 437 (4) or
ENG 438 (4). Among elective hours (20-32)
the student may choose Writing Workshops, ENG
452 (4), as needed.

VII. Advisory Track. This track is designed for those
students who have the maturity, independence,
intellectual curiosity, and eclectic interests to
want to design their own programs. Core
requirements are ENG 300 (4), ENG 301 (4), and
ENG 302 (4), with electives totaling between 36
and 48 credit hours. Students in this track must
have prior consent of an English adviser at each
stage of planning their programs.

Requirements for the M.A. Degree:

Requirements for Admission. In addition to the
general requirements of the University, an applicant
must have an academic average of B in all English
courses above freshman English, a minimum of 28 hours
of literature in English above the freshman level, and a
score of at least 600 on the Verbal Aptitude Test of the
Graduate Record Examination and a total GRE score of
at least 1000. All applications must be approved by the
Graduate Committee of the Department of English.

Course Work. A Master of Arts degree in English
requires 45 hours of course work from the following list
of English courses: ENG 453 (unless the student has
taken a literary criticism course as an undergraduate);
two ENG 683 courses; ENG 691; ENG 693 (or the
bibliography test); and any one of the following
courses—ENG 475, ENG 476, ENG 477, LIN 540, or
LIN 541 (unless the student has taken a linguistics or
English language course as an undergraduate). All
courses to be counted for the M.A. must be at the 600
level, except ENG 453 and a 500-level linguistics or
400-level language course. Each student is required to
write a directed critical or analytical paper carrying one
hour of credit (ENG 681). Students may substitute up to
eight hours of courses acceptable for graduate credit in
related areas, subject to approval by the Graduate
Committee of the Department of English. A student may
not count toward his degree more than eight hours of
ENG 683 or more than four hours of ENG 691.

Other Requirements. All candidates for a master's
degree will be required to pass a comprehensive
examination, both oral and written. Specific information
about these requirements is available from the Graduate
Committee of the Department of English.
Requirements for the M.A. Degree in Junior College Teaching:

Requirements for Admission. See M.A. program above.

Course Work. A joint program with the College of Education (ENG 90), designed to provide competence in those areas of English most often needed by the junior college teacher: composition, language, literature in English, and world literature in translation. Courses in English: ENG 686, Advanced Composition for Teachers; ENG 601, Problems in College English Instruction: Composition; any one of the following courses the student has not taken previously—ENG 476, LIN 540, LIN 541; one course in English literature 1500-1660; one course in English literature 1660-1780; one course in American literature; one course in twentieth-century literature; ENG 683—Selected Topics in English Studies (world literature). All literature courses must be taken at the 600 level. Courses in the College of Education: EDR 509, EDH 651, EDH 653, and EDC 691 (internship if required).

Foreign Language Requirements. None.

Other Requirements. Each student must pass a comprehensive examination, oral and written. Specific information about this requirement is available from the Graduate Committee of the Department of English.

Requirements for the Ph.D. Degree:

The Ph.D. in English involves approximately 95 hours of course work beyond the B.A. degree, exclusive of credits devoted to Master of Arts thesis and doctoral dissertation. In addition, each student must achieve a grade of B or A in an advanced foreign-language literature course. Exceptions to usual course requirements beyond the first 50 hours may be made by the advising committee upon consideration of a student's ability and education.

Three of the following seven subspecialties are selected by each candidate, with the consent of his advising committee:

Old and Middle English (English language and literature, with relevant Continental backgrounds to the year 1500)
Renaissance British Literature (1500-1660, and including Milton and Marvell; includes relevant Continental backgrounds)
Restoration-Eighteenth-Century British Literature (1660-1780; includes relevant Continental backgrounds)
Nineteenth-Century British Literature (1780-1890; includes relevant parallel developments on the Continent)
American Literature to 1920 (includes relevant European backgrounds and parallel developments on the Continent)
Twentieth-Century Literature (British 1890 to the present and American 1920 to the present; includes relevant parallel developments on the Continent)
Language, Linguistics and Style

The first fifty hours of the program will be given over to general study of American and British language, literature, literary history and literary criticism and to study of the teaching of freshman English and lower-level college literature courses, with each student advised by one senior member of the faculty. At the end of fifty graduate quarter hours each student will be required to take a Ph.D. Qualifying Examination (five hours, written and oral). This will help determine whether or not he will be admitted to candidacy.

As a candidate he will pursue his three areas of specialty (44 hours) and further study of college teaching and research (in ENG 703). He is guided in this work by his advising committee—composed of one senior member from each of his areas of concentration. The advising committee sets specific course requirements for the candidate's three areas of specialty, suggests study beyond the minimum requirements or allows the candidate in special cases to take fewer than the minimum hours in his areas of concentration, and advises him generally on the preparation for his Ph.D. Preliminary Examination. Usually a candidate will have completed an approximately equal number of course hours in each of his areas, though knowledge of an area, however gained, is the student's real goal. The Ph.D. Preliminary Examination (fourteen hours, written and oral) will determine his knowledge of the three areas. To pass the Ph.D. Preliminary Examination the candidate must demonstrate that he has gained control of the materials in his chosen areas, has mastered the methods of advanced study appropriate to those areas, and is capable of doing significant independent research in them. If he passes, he will then be permitted to write his dissertation under the guidance of a director and three readers, one of whom will be a senior professor from another department closely allied to the discipline of English. The dissertation must be satisfactory to the director and every reader. There will be no examination on the dissertation.

A Master of Arts degree is not necessary in this program, though it is strongly recommended that every student take the M.A. en route to the doctorate. Students entering the Ph.D. program with M.A. degrees already completed will be required to pass the Ph.D. Qualifying Examination as soon as possible after coming to the campus so that they may transfer their graduate credit (up to a maximum of 52 hours) into the USF Ph.D. program; it will also be necessary for those students to pass ENG 601 and ENG 602 before being admitted to candidacy. All transfer students must pass forty-four hours of graduate course work at USF, unless some of these hours are waived by an advising committee under special circumstances.

Admission to the program for all beginning graduate students will be the same as that in effect for all who request entrance into the M.A. program in English. Beyond the general admission requirements of the University, these include a GRE General Aptitude Test total score of at least 1000 and a score of at least 600 on the verbal part of that test, an average of at least B in all English courses taken above the freshman level, and completion of at least twenty-eight quarter hours in literature written in English. Admission to candidacy for the Ph.D. will be granted by the Graduate Committee of the Department after reports from the Ph.D. Qualifying Examination Committee, course instructors, and thesis adviser have been evaluated. The Department reserves the right to deny a student continuance in the Ph.D. program if he does not maintain a B average, if he is
given a second grade below B in his first fifty hours of graduate work, if he does not perform adequately on his qualifying or preliminary examination, or if he violates departmental regulations regarding graduate study.

The aim of the program is to produce teacher-scholars who have a good general knowledge of English and special knowledge of a distinct part of their major. It is strongly recommended that all candidates choose as one of their areas of concentration Language, Linguistics, and Style. And since the program requires knowledge of backgrounds to and developments in literature not written in English, all students are encouraged to take courses in other departments such as Classics, Modern Languages, and Humanities. They are encouraged, too, to take courses in American Studies, History, Philosophy, and Speech Communication. Sixteen graduate credit hours in subjects closely allied to English may be applied to the Ph.D. in English.

The following courses are required for all students in the program: ENG 601, 602, 683 (twice), 690, 691, 703, 791, 799. In the first fifty hours each student must pass a test of his knowledge of basic bibliographical tools for research in English. He must also pass (with a grade of 8 or A) a course, at the senior level or higher, utilizing of the education by the student. This should be done as early as possible and at least before earning 105 credits.

**LINGUISTICS (ANL/ENL/FLL/LIN)**

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. Undergraduates interested in Linguistics must elect one of the three combined majors described below. Graduate students may effect complete specialization in the program leading to the Master of Arts degree in Linguistics.

Students interested in Linguistics are urged to acquire a broad language background in their undergraduate programs, especially if they intend graduate study. A classical language (Latin, Greek, Hebrew) or a non-Western language is strongly recommended in addition to any modern European language(s) the student may have studied. Also, prospective graduate students are advised that good foundations in Mathematics (MTH 309 and PHI 509 are especially recommended), computer programming, statistics, and experimental design and methodology may prove valuable. All programs for any of the three majors leading to the baccalaureate degree described below must be approved by an adviser from both of the disciplines concerned.

**Requirements for B.A. Degrees:**

1. **Anthropology-Linguistics Major (ANL).** This sequence is designed for students who are particularly interested in the role of language in human behavior and cultural development.

   **Required Core Courses** (43 cr. hrs. minimum)

   Required Supporting
   
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>LIN 321</td>
<td>(4)</td>
</tr>
<tr>
<td>LIN 330</td>
<td>(4)</td>
</tr>
<tr>
<td>ANT 201</td>
<td>(4)</td>
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<tr>
<td>ANT 311</td>
<td>(4)</td>
</tr>
<tr>
<td>ANT 321</td>
<td>(4)</td>
</tr>
<tr>
<td>ANT 331</td>
<td>(4)</td>
</tr>
<tr>
<td>ANT 401</td>
<td>(3-6)</td>
</tr>
<tr>
<td>ANT 461</td>
<td>(4)</td>
</tr>
<tr>
<td>ANT 491</td>
<td>(4)</td>
</tr>
<tr>
<td>ANL 431</td>
<td>(4)</td>
</tr>
<tr>
<td>PHIL 531</td>
<td>(3-6)</td>
</tr>
<tr>
<td>or ANT 441</td>
<td></td>
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<tr>
<td>PSY 441</td>
<td>(4)</td>
</tr>
</tbody>
</table>

2. **English-Linguistics Major (ENL).** This sequence is designed for students who are especially interested in the role of linguistic studies in problems of English grammar, composition, and literary structure and style.

   **Required Core Courses** (40 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 300</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 301</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 302</td>
<td>(4)</td>
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<tr>
<td>ENG 310</td>
<td>(4)</td>
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<tr>
<td>ENG 350</td>
<td>(4)</td>
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<tr>
<td>ENG 402</td>
<td>(4)</td>
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<tr>
<td>ENG 407</td>
<td>(4)</td>
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<tr>
<td>ENG 475</td>
<td>(4)</td>
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<tr>
<td>ENG 476</td>
<td>(4)</td>
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<tr>
<td>ENG 477</td>
<td>(4)</td>
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</tbody>
</table>
**Required Supporting Courses**

12 cr. hrs. minimum from the following group:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>4</td>
</tr>
<tr>
<td>LIN 321</td>
<td>4</td>
</tr>
<tr>
<td>LIN 401</td>
<td>4</td>
</tr>
<tr>
<td>LIN 540</td>
<td>4</td>
</tr>
<tr>
<td>LIN 541</td>
<td>4</td>
</tr>
</tbody>
</table>

3. Foreign Language-Linguistics Major (FLL). This sequence is designed for students who are especially interested in the role of linguistic studies in problems of grammar, composition, and literary structure and style.

**Required Core Courses**

(13 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CLS 571</td>
<td>4</td>
</tr>
<tr>
<td>LIN 301</td>
<td>4</td>
</tr>
<tr>
<td>LIN 551</td>
<td>5</td>
</tr>
</tbody>
</table>

**Required Supporting Courses**

8 cr. hrs. minimum from the following group:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 477</td>
<td>4</td>
</tr>
<tr>
<td>LIN 321</td>
<td>4</td>
</tr>
<tr>
<td>LIN 401</td>
<td>4</td>
</tr>
<tr>
<td>LIN 540</td>
<td>4</td>
</tr>
<tr>
<td>LIN 541</td>
<td>4</td>
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</tbody>
</table>

Plus one of the following five sequences:

I. French (35 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FRE 301</td>
<td>4</td>
</tr>
<tr>
<td>FRE 303</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305</td>
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<tr>
<td>FRE 401</td>
<td>4</td>
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<tr>
<td>FRE 403</td>
<td>4</td>
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<tr>
<td>FRE 405</td>
<td>4</td>
</tr>
<tr>
<td>FRE 406</td>
<td>4</td>
</tr>
<tr>
<td>FRE 516</td>
<td>4</td>
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<tr>
<td>CLS 517</td>
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</table>

II. German (31 cr. hrs.)

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GER 301</td>
<td>4</td>
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<tr>
<td>GER 303</td>
<td>3</td>
</tr>
<tr>
<td>GER 305</td>
<td>4</td>
</tr>
<tr>
<td>GER 401</td>
<td>4</td>
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<tr>
<td>GER 405</td>
<td>4</td>
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<tr>
<td>GER 406</td>
<td>4</td>
</tr>
<tr>
<td>GER 513</td>
<td>4</td>
</tr>
<tr>
<td>GER 516</td>
<td>4</td>
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</table>

III. Italian (27 cr. hrs.)

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ITA 301</td>
<td>4</td>
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<tr>
<td>ITA 303</td>
<td>3</td>
</tr>
<tr>
<td>ITA 305</td>
<td>4</td>
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<tr>
<td>ITA 401</td>
<td>4</td>
</tr>
<tr>
<td>ITA 405</td>
<td>4</td>
</tr>
<tr>
<td>ITA 406</td>
<td>4</td>
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<tr>
<td>CLS 517</td>
<td>4</td>
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</table>

IV. Russian (27 cr. hrs.)

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RUS 301</td>
<td>4</td>
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<tr>
<td>RUS 303</td>
<td>3</td>
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<tr>
<td>RUS 305</td>
<td>4</td>
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<tr>
<td>RUS 401</td>
<td>4</td>
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<tr>
<td>RUS 405</td>
<td>4</td>
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<tr>
<td>RUS 406</td>
<td>4</td>
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</tbody>
</table>

V. Spanish (35 cr. hrs.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SPA 301</td>
<td>4</td>
</tr>
<tr>
<td>SPA 303</td>
<td>3</td>
</tr>
<tr>
<td>SPA 305</td>
<td>4</td>
</tr>
<tr>
<td>SPA 401</td>
<td>4</td>
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<tr>
<td>SPA 403</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPA 405</td>
<td>4</td>
</tr>
<tr>
<td>SPA 406</td>
<td>4</td>
</tr>
<tr>
<td>SPA 516</td>
<td>4</td>
</tr>
<tr>
<td>CLS 517</td>
<td>4</td>
</tr>
</tbody>
</table>

Students wishing to combine two modern foreign languages and linguistics must take one of the above sequences as the first language and the sequence 301, 303, 401, 403 (prefix determined by language selected), plus any phonetics, stylistics, or history of the language courses offered for that language. Students who intend to do graduate work are strongly urged to consider Latin or Classical Greek as a second language. Sequences for these languages are listed under Classics and Ancient Studies. Students may also elect a non-Western as a second language: six quarters satisfies the requirements for one of these. The Linguistics course requirements remain the same as for a single foreign language.

**Requirements for the M.A. Degree:**

*Requirements for Admission.* Undergraduate majors generally regarded as appropriate foundations for graduate study in linguistics (LIN) are: anthropology, English, a foreign language, linguistics, and speech communication; however, a student with a baccalaureate degree in any discipline is eligible. In addition to the general requirements of the University, an applicant must have an academic average of B in all of his major courses and a combined score of 1000 on the aptitude section of the Graduate Record Examination (a minimum of 500 of the total must be earned on the verbal portion). If a student's undergraduate preparation has not included suitable introductory courses in general or descriptive linguistics and phonetics, he will be required to remedy the deficiencies by taking LIN 301, LIN 401, and SPE 503. (Credit for LIN 301 may not be counted toward the degree requirements). The undergraduate study of one or more foreign languages, especially a non-Western language, is strongly encouraged.

**Course Work.** An M.A. degree in linguistics requires a minimum of 48 hours of course work. All students must satisfy the core requirements which constitute a minimum of 25 hours. The remainder of the course work may be taken in linguistics courses, or closely related courses in other departments, notably Anthropology, Classics and Ancient Studies, Education, English, Modern Languages, Philosophy, Psychology, Sociology, and Speech Communication. The student may elect to take all of these remaining courses in one such department, or he may take them in several departments, but each program must be planned with and approved by the Linguistics adviser, who may make appropriate substitutions when he deems these educationally advisable.

**Core Requirements**

(25 cr. hrs. minimum)

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LIN 551</td>
<td>5</td>
</tr>
<tr>
<td>LIN 600</td>
<td>2</td>
</tr>
<tr>
<td>LIN 601</td>
<td>4</td>
</tr>
<tr>
<td>LIN 602</td>
<td>4</td>
</tr>
<tr>
<td>LIN 611</td>
<td>4</td>
</tr>
<tr>
<td>LIN 612</td>
<td>4</td>
</tr>
<tr>
<td>LIN 699</td>
<td>1-8; min. of 2 units must be earned</td>
</tr>
</tbody>
</table>

**Foreign Language Requirement.** The foreign language requirement is regarded as an integral part of the M.A. program in Linguistics, and students must demonstrate a proficiency in one foreign language for the degree. However, students who intend to concentrate in historical-comparative linguistics will be expected to bring to the program an extensive undergraduate background in foreign languages, or else to remedy the deficiency after admission. Students who intend to concentrate their work in general-descriptive linguistics or other sub-specialties will have wide latitude in their choice of a foreign language to satisfy the requirement, and the study of a non-Western language is strongly encouraged. The choice of a language and the method for satisfying the proficiency requirement (e.g.,
course work, examination, etc.) will be determined on an individual basis by the student and his thesis committee.

Other Requirements. The student will present an acceptable thesis in the field of linguistic studies (from 2 to 8 hours credit are granted for this project through registration for LIN 699; see above under course work requirements). In addition, the student must pass a comprehensive examination in linguistics, both oral and written. If a student has elected to take as many as eight hours of course work in a department other than Linguistics in his program, then his examination will cover material from those courses also.

The following courses taught in other departments are also linguistics courses, or are closely related to linguistics: ANT 401, CLS 517, CLS 571, EDT 531, EDT 631, EDX 649, ENG 476, ENG 477, ENG 616, ENG 686, ENG 687, FRE 403, FRE 601, GER 513, GER 601, PHI 531, PSY 441, RUS 515, SPA 403, SPA 601, SPE 503, SPE 511, SPE 603, SPE 611, SAI 580, and SAI 623. Descriptions of these courses may be found under the appropriate departmental heading.

MASS COMMUNICATIONS (COM)

Mass Communications offers a number of courses with a general liberal arts approach, from which any student may elect those suited to his interests or needs. Majors in Mass Communications will find, in addition, more specialized courses in advertising, broadcasting, film, magazine, news-editorial, and public relations sequences. The following general courses are designed to introduce students to a broad perspective and understanding of the processes of communication and its effects upon society and the individual:

- **COM 300 Introduction to Mass Communications** (3)
- **COM 301 The Popular Arts in America** (4)
- **COM 351 Literature and the Film** (3)
- **COM 361 Introduction to Broadcasting** (3)
- **COM 400 International Communications** (4)
- **COM 403 History and Principles of Communications** (4)
- **COM 451-452 Social History of the Film** (4,4)
- **COM 453 The Documentary Film** (4)
- **COM 500 Theory of Mass Communication** (4)

Majors seeking careers in the mass media will be directed to the various media with which the department maintains close contact for summer internships and part-time work available.

Requirements for the B.A. Degree:

The necessary techniques that a major in Mass Communications will receive are based on a knowledge of certain kinds of human behavior, especially as it relates to theory, principles and practice of mass communication. Required courses and recommended electives offer students the widest possible freedom to explore their own areas of interest within a broad framework of the liberal arts. Majors will choose about 60 credits of electives outside the department. Required are 15 credits in a Mass Communications "core," and 29 to 44 credits in a sequence (depending upon the sequence or specialization chosen), up to a maximum of 60 and a minimum of 45 hours in COM-prefix courses.

Typing ability is a prerequisite for majors entering the department.

**Required Core Courses (15 cr. hrs.)**
- COM 300 (3)
- COM 403 (4)

**Plus one of the following six sequences:**

I. **Advertising (29-30 cr. hrs.)**
- COM 311 (4)
- COM 313 (4)
- COM 314 (4)
- COM 341 (4)
- **COM 375 (4)**
- ECN 100 (5) or **ECN 201 (4)**
- MKT 301 (5)

II. **Magazine (30-32 cr. hrs.)**
- COM 321 (4)
- COM 325 (4)
- COM 330 (4)
- COM 371 (4)
- COM 375 (4)
- COM 425 (4)
- One Approved Elective (2-4)
- **ENG 350 (4)** or **ENG 351 (4)**

III. **News-Editorial (32 cr. hrs.)**
- COM 330 (4)
- COM 338 (2)
- COM 371 (4)
- COM 375 (4)
- COM 353 (4)
- COM 331 (4)

IV. **Public Relations (31-32 cr. hrs.)**
- COM 311 (4)
- COM 330 (4)
- COM 341 (4)
- COM 441 (4)
- COM 541 (4)
- **COM 321 (4)**, **COM 331 (4)**
- Plus any three of the following:
  - COM 321 (4), **COM 311 (4)**
  - COM 371 (4)
  - **COM 353 (4)**
  - **COM 375 (4)**
  - **COM 453 (4)**

V. **Film (44 cr. hrs.)**
- **Film core: (28 cr. hrs.)**
  - COM 354-355-356-452 (4,4,4)
  - **COM 433 (4)**
- **Plus one of the following specializations: 1. Directorial**
- **2. Management**
- **3. Cinematography**
- **4. Sound 5. History & Theory**

VI. **Broadcasting (31 cr. hrs.)**
- **Broadcasting core: (19 cr. hrs.)**
  - COM 311 (4)
  - COM 361 (3)
  - COM 363 (4)
  - Production Track:
    - **News Track**
    - **12 cr. hrs.**
    - COM 362 (4)
    - COM 462 (4)
    - COM 363 (4)
    - **Production Track**
    - **12 cr. hrs.**
    - COM 362 (4)
    - COM 462 (4)

MODERN LANGUAGES (FRE/GER/ITA/MOD/RUS/SPA)

Requirements for the B.A. Degree:

Modern language major programs are designed to
meet the needs of students who desire competency in a language and an expanded understanding of its culture and literature. They are of particular interest to students who wish to teach languages, those who plan to further their studies in graduate school, and those who seek careers in various types of foreign employment.

Major programs leading to the Bachelor of Arts degree are offered in French, German, Italian, Russian, and Spanish.

Combined majors are offered in any two modern languages. For the combined major, a student must take the courses required for the complete major in one language and a 301, 303, 305, and 401 series in the second language, as well as a course that demonstrates proficiency in English.

Instruction is also provided in Portuguese, Romance Philology and less commonly taught languages, such as Chinese, Modern Hebrew, Modern Arabic, Modern Greek, Polish and others on occasion.

**FRENCH (FRE)**
- **Required Courses (31 cr. hrs.)**
  - FRE 301 (4)
  - FRE 303 (3)
  - FRE 305 (4)
  - FRE 401 (4)
  - FRE 403 (4)
  - FRE 405 (4)
  - FRE 406 (4)
- **Required Supporting Courses**
  - 14 hours in upper level or senior courses planned with the advisor.

**GERMAN (GER)**
- **Required Courses (27 cr. hrs.)**
  - GER 301 (4)
  - GER 303 (3)
  - GER 305 (4)
  - GER 401 (4)
  - GER 405 (4)
  - GER 406 (4)
- **Required Supporting Courses**
  - 18 hours in upper level or senior courses planned with the advisor.

**ITALIAN (ITA)**
- **Required Courses (26 cr. hrs.)**
  - ITA 203 (3)
  - ITA 301 (4)
  - ITA 303 (3)
  - ITA 305 (4)
  - ITA 401 (4)
  - ITA 403 (4)
  - ITA 405 (4)
  - ITA 406 (4)
- **Required Supporting Courses**
  - 19 hours in upper level or senior courses planned with the advisor.

**RUSSIAN (RUS)**
- **Required Courses (26 cr. hrs.)**
  - RUS 203 (3)
  - RUS 301 (4)
  - RUS 303 (3)
  - RUS 305 (4)
  - RUS 401 (4)
  - RUS 405 (4)
  - RUS 406 (4)
  - RUS 516 (4)
- **Required Supporting Courses**
  - 19 hours in upper level or senior courses planned with the advisor.

**SPANISH (SPA)**
- **Required Courses (35 cr. hrs.)**
  - SPA 301 (4)
  - SPA 303 (3)
  - SPA 303 (3)
  - SPA 305 (4)
  - SPA 401 (4)
  - SPA 403 (4)
  - SPA 405 (4)
  - SPA 516 (4)
  - SPA 562 (4)
- **Required Supporting Courses**
  - 10 hours in upper level or senior courses planned with the advisor.

### Requirements for the M.A. Degree:

#### Requirements for Admission
General requirements for graduate work are given on pages 43-44.

For admission to the M.A. program in French or Spanish, a student must have previously taken the following courses or their equivalent: FRE or SPA 303, 401, 403, 405, and 406. The student must also have a 3.0 grade point ratio over the last two years of undergraduate work attempted, or a total score of 1000 on the Verbal Ability and Quantitative Ability portions of the Graduate Record Examination. All applications must be approved by the Director of Graduate Studies and the Chairman of the Department of Modern Languages.

#### Program Requirements
For a master's degree in French or Spanish, the following are required:
1. Research skill in a second foreign language.
2. Satisfactory completion of a four-part written comprehensive examination, based upon a reading list provided by the department, on French language and literature or Spanish and Spanish-American language and literature. A portion of the comprehensive examination must be written in the foreign language.
3. A thesis or thesis-type paper, written under the direction of an adviser assigned by the departmental chairman, and approved by the Director of Graduate Studies and two additional professors.
4. Course work following one of the plans listed below:

   **Plan I**
   - 45 hours in graduate courses, including FRE or SPA 601 and 689, planned with the Director of Graduate Studies in the College of Language and Literature.

   **Plan II**
   - 31-35 hours in graduate courses, including FRE or SPA 601 and 689, plus 10-14 hours in a second field, planned with the Director of Graduate Studies in the College of Language and Literature.

### PHILOSOPHY (PHI)

#### Requirements for the B.A. Degree:

The philosophy program includes five major areas of study: (1) logic and scientific method, (2) history of philosophy, (3) theory of knowledge, (4) theory of reality, and (5) theory of value. Majors in philosophy must complete at least 45 credits hours in the program, with the following courses required: from area (1)—PHI 303; from area (2)—PHI 333, 334, and 335. In addition, all majors who are going to graduate school in philosophy are urged to take at least one course in the three remaining major areas of study. Prospective graduate students should take at least nine credits above the 500 level, including two seminars. No more than two of PHI 301, 311, 317 will be counted toward the major. Credit toward a major in philosophy will be extended for HII 306 or 315. Students may substitute PHI 583 (selected topics) for any requirement above, with approval of the Department Chairman.

#### Honors Program
The Department of Philosophy offers the philosophy major the opportunity of participating in the
Requirements for the M.A. Degree:

Requirements for Admission. For admission the student must have a B average in philosophy at the undergraduate level, have a score of at least 1000 on the GRE, and have completed the equivalent of PHI 303, 333, 334, and 335.

Program Requirements. The following comprise the degree requirements in Philosophy, in addition to the general requirements for graduate work as specified on pages 43-44:

1. Reading knowledge of a foreign language approved by the student’s adviser.
2. A written comprehension examination.
3. A thesis or thesis-type paper, written under the direction of an adviser assigned by the Department Chairman, and approved by the student’s supervisory committee.

II. Interdisciplinary Religious Courses (16 cr. hrs.)

ANT 471 (4) HUM 427 (4)
ANT 471 (4) HUM 428 (4)
ART 472 (4) HUM 541 (4)
AST 371 (5) HUM 542 (4)
BIO 465 (4) HUM 543 (4)
CLS 321 (5) PHI 301 (4)
CLS 331 (3) PHI 302 (4)
CLS 342 (3) PHI 401 (4)
CLS 343 (3) PHI 301 (4)
CLS 352 (3) PHI 311 (4)
ENG 375 (4) PHI 333 (4)
ENG 376 (4) PHI 409 (4)
ENG 377 (4) PHI 411 (4)
ENG 409 (4) PHI 521 (4)
 HTY 426 (4)
SOC 373 (4)

Each student’s program must be planned with a faculty advisor in Religious Studies, who may make appropriate course substitutions when such changes are academically advisable.

Speech Communication (ENS/SPE/STA)

Requirements for the B.A. degree:

The Speech Communication curriculum provides courses for all students interested in increasing their understanding and skills in oral communication. It offers a major program in Speech Communication (SPE) and two combined major programs: Speech Communication-English (ENS) and Speech Communication-Theatre Arts (STA).

A major in Speech Communication requires a minimum of 45 credits in SPE courses. A combined Speech Communication-English major, intended primarily for those preparing to teach in secondary schools, requires 67 credits in the combined areas and 5 credits in Theatre Arts. A combined Speech Communication-Theatre Arts major requires 61 credits in the combined areas.

Speech Communication Sequence (SPE): SPE 201 (5), 203 (5), 321 (5), 363 (5) or 365 (5), 491 (2), 492 (3), and 20 credits of Speech Communication electives in 300-level courses or above. (A maximum of ten elective credits may be taken in any given Speech Communication area. These areas include: rhetoric and public address, oral interpretation, and speech science. The remaining credits must be taken in one or more of the other Speech Communication areas.)

Speech Communication-English Sequence (ENS): SPE 201 (5), 203 (5), 321 (5), 363 (5) or 365 (5), 491 (2), 492 (3), and 10 credits of Speech Communication electives in 300-level courses or above; ENG 300, 301,
302, 310, 350 or 351, 475; one from the following: ENG 316, 317, 332, 435, 436, 437, 438, 441 or 442; and one from the following: ENG 340, 341, 342, 343 or CLS 351; and TAR 303.

Speech Communication-Theatre Arts Sequence (STA): SPE 201 (5), 203 (5), 321 (5), 363 (5), or 365 (5), 491 (2), 492 (3), and 10 credits of Speech Communication electives in 300-level courses or above; TAR 211, 221, 303, 311, 313, 411, and any two courses chosen from TAR 431, 432, 433, 435, 436, and 437.

Requirements for the M.A. Degree:

Requirements for Admission. In addition to the general requirements of the University, an applicant must have an academic average of B in all Speech Communication courses, a minimum of 18 credit hours in Speech Communication, and a score of 500 or higher on the verbal aptitude section of the Graduate Record Examination. All applications must be approved by the Department of Speech Communication.

Course Work. A Master of Arts degree in Speech Communication requires 45 credit hours of course work distributed in the following manner: 15 hours in Rhetoric and Public Address, 10 hours in Oral Interpretation of Literature, 5 hours of Speech Science, 5 hours in Speech Seminar (SPE 691), and 10 hours in graduate SPE electives.

For graduate SPE electives, students may substitute two courses acceptable for graduate credit in related areas, subject to approval by the Department of Speech Communication.

Examinations. Each student is required to pass a comprehensive examination, both oral and written.

Other Requirements. Each student will select one of the plans listed below:

Plan A—An extended critical or analytical paper (thesis) in the field of Speech Communication studies.

Plan B—Proof of a working knowledge of a computer language, (COBOL or FORTRAN) and ability to design a research program.

Plan C—Two courses (8 credits) in linguistics and one course (4 credits) in the structure of American English.

Plan D—Three courses (or 12 credits) in statistics.

Plan E—Three courses (or 12 credits) in Speech Communication and/or academic disciplines if part of an approved planned sequence.

Plan F—At least 12 credits in a foreign language above General Education level.
COLLEGE OF MEDICINE

The major objectives of the College of Medicine are, first, to create and maintain an academic environment in which medical education, the production of new knowledge, and community service may be continued in a quality manner. The second objective is to integrate the College of Medicine into the mainstream of the community and to participate in and lead in the upgrading and improvement of the health care standards of the community in which the College is located. The third objective is to function within the framework of the total University as an integral and valued part of the University community.

The philosophy of the educational program at this institution is to provide a strong academic basis for lifetime scholarship in medicine and growth in professional stature for our students; to lay the foundation for the development of ever increasing technical and professional competency and proficiency in the arts and sciences of medicine for each of the students; to instill in our students compassion and a sense of devotion to duty to their profession and to their patients; to provide relevance and continuity in instruction among the various disciplines related to medicine; to maintain and increase our students' motivation for community and human service in the practice of their profession; to stimulate the students to accept major responsibilities in learning; to orient teaching activities around the student and his desire and ability to learn.

With these concepts in mind, a curriculum has been developed which we believe will achieve an effective correlation between the pre-clinical and clinical instructional areas. This curriculum is designed to emphasize conceptually oriented teaching, thus affording the students a challenging and intellectual experience as opposed to a routine and the superficial presentation of a large volume of facts. Relevance to medicine will be emphasized in all areas of instruction in a way recognizable and understandable by the student of medicine. Increased correlation on an interdisciplinary basis will be instituted providing reinforcement between the various fields of study. The curriculum will also provide a close and ongoing experience for the student in the day-to-day and continuing health care delivery system within the community hospitals and in ambulatory care facilities. It is anticipated the program will produce graduating physicians who understand and desire the practice of medicine as a fruitful and meaningful choice for a lifetime career of service to their patients and the community.

It is recognized that the program does place heavy demands upon the student. He will be expected to utilize all resources provided by the College, to maintain a consistent level of academic achievement, and to demonstrate evidence of initiative and dedication to his chosen profession.

Students admitted to the College of Medicine are selected on the basis of what appear by present standards to be the best suited for the successful study and practice of medicine. The selection is made by the Admissions Committee composed of members of Pre-Clinical, Clinical, and Volunteer faculty. Each applicant is considered individually and is judged strictly on his or her own merits. Characteristics evaluated include motivation, integrity, character, and general fitness. These are judged by recommendations of the applicant's Pre-Medical Advisory Committee as well as other letters of recommendation. The academic record and Medical College Admission Test furnish an estimate of academic achievement and intellectual competence.

Interviews are arranged for applicants whose qualifications appear to warrant complete exploration.

All inquiries concerning admission should be directed to the Office for Admissions, College of Medicine, MED 116, University of South Florida, Tampa, Florida 33620.

Requirements for Admission

A minimum of three years of college or university work is required with some preference given to those applicants who present a bachelor's degree from a liberal arts college approved by one of the national accrediting agencies. The minimum requirement is three years of college work (90 semester hours or 135 quarter hours, exclusive of Physical Education and R.O.T.C.)

Regardless of the number of years involved in Pre-Medical training, the college credits submitted by the applicant must include the following:

One Year—General Chemistry, including laboratory
One Year—Organic Chemistry, including laboratory
One Year—Physics, including laboratory
One Year—Biology, including laboratory
One Year—Mathematics

All applicants must arrange to take the Medical College Admission Test.

Requirements for Graduation

The awarding of the degree Doctor of Medicine will follow successful completion of the entire required course of study. Appropriate arrangements for post graduate training must be made. Grading of performance in academic subjects will be on a pass, fail, honors grading system, and the student must have achieved a grade of at least pass in all subjects in the curriculum.
COLLEGE OF NATURAL SCIENCES

Science is a dominant force in the modern world and its development in both the theoretical and the practical spheres underlie the foundations of modern society.

Students in the College of Natural Sciences are trained in the tools of logical analysis and the modes of experimentation in the continuing attempt to better understand the nature of man and his relationship to the universe. In all its functions the College is dedicated to fostering a spirit of inquiry and intellectual growth.

In its seven departments the College of Natural Sciences offers courses in astronomy; biology, including botany, microbiology and zoology; chemistry, and biochemistry; geology; marine science; mathematics and physics. These courses are designed for students planning scientific careers in the science fields or for those planning professional careers having a considerable component of science, such as engineering or medicine. These students will typically major in one of the sciences or in a combination of sciences as preparation for employment, transfer to professional schools or admission to graduate school. Students may begin their science work at the University before transferring to another university to complete programs not offered here, such as agriculture, home economics, or pharmacy.

Baccalaureate Level Degree Programs

Admission to the College

A student who has been accepted as a first-time student at this University may be admitted to the College of Natural Sciences by declaring any major or program offered by the College. A student who wishes to transfer from the Division of University Studies or from another college of this University must in addition have an overall grade point ratio of 2.0. At the time of admission to this College the student will be assigned a faculty adviser for counseling and program planning. Students preparing for a science or mathematics career must plan their courses carefully because of the sequential nature of the science curricula. Information on departments, majors, programs, counseling and other services of the College can be obtained from the office of the dean or by contacting the Director of Advising, College of Natural Sciences, University of South Florida, Tampa, Florida, 33620.

General Requirements for Degrees

The requirements for graduation in any undergraduate degree offered by the College are as follows:

1. 180 credit hours with at least a "C" average (2.0) in work done at the University of South Florida. A minimum of 120 credit hours must be taken with letter grades.

2. Completion of a sequence of courses constituting a major program with courses in a department of concentration and supporting courses in related departments. In this major program there must be a 2.0 grade point average in the department of concentration, and also a 2.0 grade point average in the entire sequence of courses in the major program.

   The major program constitutes approximately one-half of a student's total program.

   All courses in the major program must be taken with letter grade except for those courses which are graded S-U only. Any course outside the major program may be taken on an S-U basis subject to the above limitations.

   For a more detailed description of the major program requirements, consult the appropriate departmental requirements.

3. A broad spectrum of 60 hours in General Distribution courses distributed over several fields of human knowledge as follows:
   a. 8 hours of English Composition.
   b. 16 hours in the Humanities/Fine Arts.
   c. 8 hours in mathematics or waiver as explained below.
   d. 8 hours in natural sciences or waiver as explained below.
   e. 16 hours in the Social Sciences.
   f. The remaining 4-20 hours elective in any area except for courses in the department of the student's major or in courses supporting a student's major.
   g. The detailed requirements and the list of courses approved for liberal education are described in the section entitled General Distribution Requirements. Also consult the departmental requirements for any additional requirements in general education.

4. The student's work must include 24 hours, with no more than 12 hours from any one department and approved by the chairman of the department of the student's major or concentration, from the following colleges:
   College of Fine Arts
   College of Language & Literature
   College of Social & Behavioral Sciences.
   Courses taken to satisfy the Distribution Requirements of the College of Natural Sciences may also be used to satisfy this requirement.

5. At least 30 credit hours with letter grades must be earned in the College of Natural Sciences.
6. The last 45 credit hours must be in residence at the University of South Florida. An exception is made to medical and dental students who may transfer up to 45 credit hours of science courses from an approved medical or dental school. See the section entitled B.A. for Medical and Dental students.

Credits transferred from other schools will not be included in the grade point ratio computed for graduation. However, graduation with honors requires a 3.5 ratio in USF work and also in any previous college work.

**General Distribution Requirements**

1. The General Distribution requirement for students in the College of Natural Sciences is 60 credit hours, to be accumulated as follows:

   **Area I—English Composition:**
   8 hours from ENG 101, 102, 103, 350, 351 or demonstrate equivalency by proficiency examination.

   **Area II—Humanities/Fine Arts:**
   At least 16 hours from the following:
   ART 201, 202, 301, 470, 471, 472, 473, 474, 475, 476, 
   DAN 201, 202, 313, 370, 413, 513.
   ENG 211, 212, 213, 214, 300, 301, 302, 310, 312, 313, 314, 315, 316, 330, 331, 332, 340, 341, 342, 343, 370, 371, 373, 375, 376.
   FRE 101, 102.
   GER 101, 102.
   HUM 308, 311, 312, 313, 315, 316, 317.
   ITA 101, 102.
   MUS 371, 372, 373.
   REL 300, 310, 315, 350, 351, 360, 370.
   RUS 101, 102.
   SPA 101, 102.

   **Area III—Mathematics/Quantitative Methods:**
   For majors in the College, the minimum requirement of eight hours in Mathematics may be waived by credit in at least eight hours of mathematics courses required by the major, but these hours so substituted do not count toward the overall requirement of 60 hours.

   **Area IV—Natural Sciences:**
   For majors in the College, the minimum requirement of eight hours in Natural Sciences may be waived by credit in at least eight hours of natural sciences courses required by the major, but these hours so substituted do not count toward the overall requirement of 60 hours.

   **Area V—Social and Behavioral Sciences:**
   At least 16 hours from the following:
   AFA 230, 335, 336, 431, 432.
   ANT 201, 311, 321, 331, 371.
   ECN 100, 201, 202.
   EDF 305, 307, 309, 377.
   GRY 371.
   HTY 100, 201, 202, 211, 212, 221, 222, 231, 232, 251, 317, 321, 322, 371.
   POL 199, 201, 331, 333, 338.
   PSY 201, 313, 401.
   SOC 181, 201, 251, 315, 331, 371, 373, 401.
   SSI 100, 201, 202, 300, 383

**Electives:**
Any remaining hours may be taken in any area including Mathematics or Natural Sciences except for courses in the department of the major concentration or courses supporting the major.

2. The maximum number of hours that may be taken in any one department is 12.
3. All General Distribution courses will be accepted by the College on an S-U basis, subject to the overall limitation on the number of hours that may be taken S-U.
4. A student may petition the General Education Council of the College of Natural Sciences to substitute any course for any area which may fulfill the essence of the requirement. The petition must have the signature of the student's adviser and the department chairman of his major.
5. Upon consultation with the respective colleges, other courses may be added to this list.

**Grading Systems**

Typically, courses in the University receive letter grades (A,B,C,D,F,I). However, the college recognizes that educational competence may be achieved and demonstrated by experiences other than classroom
attendance leading to letter grades. The attention of the student is directed to the following:
1. CLEP and other advance placement examinations.
2. Waiver by either documentation or examination.
3. Off-Campus Term programs (See page 36).
4. Cooperative Education Program (See page 24).
5. Independent Study.

Programs Leading to the Baccalaureate Degree

The College offers the Bachelor of Arts degree in Astronomy (AST); Biological Sciences: Biology (BIO), Botany (BOT), Microbiology (MB), and Zoology (ZOO); Chemistry (CHM); Geology (GLY); Mathematics (MTH); Physics (PHY); and Interdisciplinary Natural Sciences (INS) with a concentration in each of the above. The College offers the Bachelor of Science degree with majors in Chemistry (CHS), Clinical Chemistry (CHC), Medical Technology (MET), and Physics (PHS). For specific requirements, consult the appropriate departmental section of this bulletin.

Pre-Medical Sciences Program

The pre-medical sciences program provides a complete array of courses and educational experiences necessary for preparing oneself for admission to a professional school. Pre-medical science students should major in a discipline which is of the greatest appeal to them, whether it be in the sciences or non-sciences, and fulfill all requirements in that major for graduation. The following science courses are the minimum requirements for admission to virtually every accredited professional school:

One year of Biology: BIO 201, 202, 203.
Two years of Chemistry: CHM 211, 212, 213, 331-332, 333-334, 335-336.
One year of Physics: PHY 201-202, 203-204, 205-206.

Additional science requirements vary according to the professional school to which the student will be applying. Part of these additional requirements may be fulfilled by the following courses:
Chemistry: CHM 321, 341, 351
Mathematics: MTH 211, 212, 213, (or MTH 122, 123, 302, 303, 304)
Biology: BIO 331, ZOO 311, 421, 422

Beyond the science course requirements, it is essential that students acquire an inventory of courses developing a sense of understanding of cultural and moral values, and basic social problems. It is understood that the quality of academic performance should be of the highest level.

It may be noted that well-prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of pre-medical work.

B.A. Degree for Medical and Dental Students

Students who are admitted to a medical or dental school after completing their junior year at USF may be awarded the B.A. degree in Interdisciplinary Natural Sciences from the College of Natural Sciences subject to the following conditions:

1. Transfer of a minimum of 45 hours in science courses from an approved medical or dental school.
2. In attendance at the University of South Florida, the minimum requirements of the Interdisciplinary Natural Sciences major must be essentially fulfilled as follows:
   A. 135 credit hours with at least a "C" average (2.0) in those credit hours completed at the University of South Florida.
   B. Completion of a sequence of courses constituting a major program with courses in a department of concentration and supporting courses in related departments. In this major program there must be a 2.0 grade point ratio in the department of concentration, and also a 2.0 grade point ratio in the entire sequence of courses in the major program. S/U grades are not permitted in the major program requirements except for courses designated S/U only. For a more detailed description of the major program requirements, consult the appropriate departmental requirements.
3. Credit in the following courses:
   BIO 201, 202, 203
   CHM 211, 212, 213, 331, 332, 333, 334, 335, 336
   PHY 201, 202, 203, 204, 205, 206
4. A minimum of 30 credits from the following courses:
   BIO 331
   CHM 321, 341, 351
   MTH 211, 212, 213
   ZOO 311, 421, 422
5. The General Distribution requirements of the College of Natural Sciences as approved by the student's adviser.
6. At least 30 credit hours with letter grades must be earned in the College of Natural Sciences.
7. The last 45 credit hours prior to transfer to a medical or dental school must be in residence at the University of South Florida.

Application for the baccalaureate degree must be received no later than two years from the date of entrance into the professional school.
Graduate Level Degree Programs

Programs of graduate study are available in every department of the College of Natural Sciences. Students apply for graduate work through the College of Natural Sciences and are recommended for admission by the department in which they intend to concentrate. A departmental committee is appointed which supervises and guides the program of the candidate. The general University requirements for graduate work at the master’s level are given on page 44, and for the Ph.D. degree on page 45. The specific requirements for each department are listed under that department below. For further information regarding admission and the availability of fellowships and assistantships a candidate should write to the appropriate departmental chairman, University of South Florida, Tampa, Florida 33620.

Master's Degree Programs

The College of Natural Sciences offers graduate programs leading to the Master of Arts degree in the fields of Astronomy (AST), Botany (BOT), Geology (GLY), Marine Science (OGY), Mathematics (MTH), Microbiology (MIB), Physics (PHY), and Zoology (ZOO); and a Master of Science in Chemistry (CHM).

Doctor's Degree Programs

The College of Natural Sciences offers three programs leading to the degree of Doctor of Philosophy: Biology (BIO)—This program leads to the Ph.D. in Biology, including the fields of Marine Biology, Systematics, Behavior, Ecology, and Physiology. Chemistry (CHM)—This program leads to the Ph.D. in Chemistry, including the fields of Analytical, Biochemistry, Inorganic, Organic and Physical Chemistry. Mathematics (MTH)—This program leads to the Ph.D. in Pure and Applied Mathematics.

Teacher Education Programs

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

B.A. Degree Program for Secondary School Teachers:

The College of Natural Sciences in cooperation with the College of Education offers degree programs in mathematics (MAE), in botany (BOE), in chemistry (CHE), in Physics (PHE), in zoology (ZOE), and in science (SCE). Because requirements exist in both colleges, a student will have an adviser in each college. The planned courses in mathematics and science must be approved by the student’s adviser in the College of Natural Sciences.

There are two options available to the student to satisfy the science portion of the program:

1. The student may complete the requirements of the departmental major. Departmental majors in Botany and Zoology may be found in this section of the catalog under the heading Biology. The departmental requirements for chemistry, mathematics, and physics are found in this section of this catalog under the respective headings in Chemistry, Mathematics and Physics.

2. The student may complete requirements of the Interdisciplinary Natural Sciences major with concentration in Biology, Chemistry, Physics, and Mathematics. A complete description of this major is found on page 110. This major is particularly appropriate for science education majors (SCE).

Prospective students should consult the College of Education portions of this bulletin under the heading “Science Education (SCE)” for the required education courses and sample programs.

M.A. Degree Program for Secondary School Teachers:

The College of Natural Sciences in cooperation with the College of Education offers the M.A. degree in mathematics (MAE) and in science (SCE). In science, concentrations are available in biology, chemistry, and physics. Because requirements exist in both colleges the student will have an adviser in each college. The planned courses in mathematics and science must be approved by the student’s adviser in the College of Natural Sciences.

The University requirements for the M.A. degree are found on page 44. Mathematics majors must complete a minimum of 51 quarter hours; science majors must complete at least 27 quarter hours in the discipline of concentration. For requirements in education the student should consult the College of Education portion of this bulletin entitled “Master’s Level Degree Programs—Science Education (SCE).”

M.A. Degree Program for Junior College Teachers:

The M.A. degree program for junior college teachers is available in the College of Natural Sciences with specializations in astronomy, biology, chemistry, geology, mathematics, or physics. Students seeking certification to teach in the state of Florida may select either of the following options:

1. The student may complete the Master of Arts degree program in any department of the College of Natural Sciences and in addition enroll in at least 9 hours of Directed Teaching which is numbered 689 in the appropriate departmental course listing. The master’s degree program is normally 45 credit hours. University requirements
for an M.A. degree are found on page 44. The specific departmental requirements are found under the appropriate departmental description of this portion of the bulletin.

2. The student may complete the M.A. degree in a program offered jointly by the College of Natural Sciences and the College of Education. This program requires 36 hours in mathematics or science specialization courses which must be approved by the student's adviser in the College of Natural Sciences; 9 hours are required in Professional Education courses and 0-9 hours in internship depending on the amount of teaching experience of the student. For requirements in education, the student should consult the College of Education portion of the bulletin entitled "Junior College Teaching Program."

Programs and Curricula

■ ASTRONOMY (AST)

Requirements for the B.A. Degree:

I. Astronomy Courses (35 cr. hrs. of upper level courses minimum)

- AST 301 (5)  AST 413 (4)
- AST 302 (5)  AST 443 (5)

A minimum of 12 cr. hrs. from:

- AST 521 (5)  AST 536 (4)
- AST 522 (4)
- AST 533 (4)  AST 583 (1-6)

A minimum of 3 cr. hrs. from:

- AST 361 (1-3)
- or
- AST 481 (1-6)

II. Supporting Courses in the Natural Sciences (45-46 cr. hrs.)

- MTH 302-305 (17)
- MTH 401 (4)
- PHY 201-206, 315 (18)
- or
- PHY 301-306 (12)

At least three of the following Physics courses:

- PHY 307 (3)  PHY 405 (3)
- PHY 309 (4)  PHY 407 (3)
- PHY 323 (4)  PHY 437 (3)
- PHY 331 (4)  PHY 541 (3)

At least one of the following Mathematics courses:

- MTH 311 (4)  MTH 445 (3)
- MTH 323 (4)  MTH 447 (4)
- MTH 345 (5)

III. General Distribution Courses (60 cr. hrs.)

The astronomy major must satisfy the General Distribution requirements of the College of Natural Sciences (See page 102).

V. Free Electives (40 cr. hrs. maximum)

The student is expected to familiarize himself with the techniques of programming electronic computers before the end of his sixth quarter.

For students planning to attend graduate school, it is strongly recommended that they include FRE 111-112, GER 114-115, or RUS 117-118 in their course work or that they achieve an equivalent level of competence in at least one of these three languages.

Teacher Education Programs:

For information concerning the M.A. degree for junior college teachers, see page 104.

Requirements for the M.A. Degree:

General requirements for graduate work are given on page 44.

A minimum of 45 credits must include at least 24 for courses numbered 600 or higher and at least 18 for structured astronomy courses numbered 500 or higher. It will be assumed that the student knows enough mathematics and physics to follow any astronomy courses required in his curriculum. No credit is available for courses numbered 499 or lower which the student takes in order to make up for his initial deficiencies in this respect. Since candidates for the graduate degrees in astronomy may have a variety of backgrounds, including majors in astronomy, mathematics, or physics, the required course of studies may vary considerably among students.

A thesis is required, which must be based on original work. The student must also demonstrate, before the degree is granted, his ability to translate into English the pertinent scientific literature in at least one of the foreign languages: German, French or Russian. This last requirement may, in exceptional cases, be replaced by an equivalent one agreeable to the student and the department chairman.

■ BIOLOGY (BIO/BOT/MIB/ZOO)

A modern biology curriculum is built on a foundation of mathematics, chemistry and physics. In addition to a strong set of basic courses in biology, students must have a thorough preparation in other areas of natural sciences in order to be competitive for jobs or for further study beyond the baccalaureate.

Four specific curricula leading to the B.A. degree (in Biology, Botany, Microbiology, and Zoology) are available for students interested in the Biological Sciences. They are all preparatory for careers in teaching, agriculture, medicine, dentistry, marine biology, bio-technology, or for post-graduate study in any of the various life sciences. In addition to the requirements listed below, the department maintains a vigorous advising program—students should make maximum use of this service in structuring their total program. A reading knowledge of a modern foreign language (German, French or Russian) is strongly
recommended for those who intend to enter graduate school.

**Marine Biology**

The field of marine biology is especially important in Florida and there is a good demand for trained personnel. Several faculty members in the department teach courses and conduct research in this area. Undergraduates interested in specializing in Marine Biology may do so by taking marine-oriented courses offered within the department. Appropriate courses include ZOO 313 (Introductory Invertebrate Zoology), ZOO 519 (Ichthyology), ZOO 520 (Echinoderm Biology), ZOO 545 (Zoogeography), ZOO 557 (Marine Animal Ecology), BOT 543 (Phycology), and BOT 557 (Marine Botany). The Biology department also offers the M.A. degree and the Ph.D. degree with specialization in marine biology is possible.

**Requirements for the B.A. Degree:**

<table>
<thead>
<tr>
<th>Biology Major (BIO)</th>
<th>Botany Major (BOT)</th>
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<tbody>
<tr>
<td>(50 cr. hrs.)</td>
<td>(44 cr. hrs.)</td>
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<tr>
<td>BIO 201-203,</td>
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<td>331 (16)</td>
<td>331 (16)</td>
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<td>BIO 445 (4)</td>
<td>BIO 351 (5)</td>
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<tr>
<td>BOT 491 or ZOO 491 (1)</td>
<td>BOT 302 (5)</td>
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<tr>
<td>BIO-BOT-ZOO struc. elect. (at least 6 courses) (24)</td>
<td>BIO-ZOO struc. elect. (5)</td>
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<td>ZOO 421 (5)</td>
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<tr>
<th>Microbiology Major (MIB)</th>
<th>Zoology Major (ZOO)</th>
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<tr>
<td>(55 cr. hrs.)</td>
<td>(55 cr. hrs.)</td>
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<tr>
<td>BIO 201-203,</td>
<td>BIO 201-203,</td>
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<td>331 (16)</td>
<td>331 (16)</td>
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<tr>
<td>BIO 351 (5)</td>
<td>ZOO 321 (5)</td>
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<tr>
<td>BOT 552 (5)</td>
<td>ZOO 421-422 (10)</td>
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<tr>
<td>BOT 491 (1)</td>
<td>BIO 445 (4)</td>
</tr>
<tr>
<td>BIO-BOT-ZOO struc. elect. (18)</td>
<td>BIO-BOT-ZOO struc. elect. (at least 5 courses) (20)</td>
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<tr>
<th>II. Supporting Courses in the Natural Sciences</th>
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<tbody>
<tr>
<td>Biology Major (BIO)</td>
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<tr>
<td>(47-48 cr. hrs.)</td>
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<tr>
<td>CHM 211-213 (12)</td>
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<td>CHM 331-333 (8)</td>
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<tr>
<td>CHM 335-336 or</td>
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<td>CHM 351 (4-5)</td>
</tr>
<tr>
<td>MTH 212,213 (8)</td>
</tr>
<tr>
<td>PHY 201-206 (15)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Microbiology Major (MIB)</th>
<th>Zoology Major (ZOO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(53-54 cr. hrs.)</td>
<td>(51-52 cr. hrs.)</td>
</tr>
<tr>
<td>CHM 211-213 (12)</td>
<td>CHM 211-213 (12)</td>
</tr>
<tr>
<td>CHM 331-333 (8)</td>
<td>CHM 331-333 (8)</td>
</tr>
<tr>
<td>CHM 335-336 or</td>
<td>CHM 335-336 or</td>
</tr>
<tr>
<td>CHM 351 (4-5)</td>
<td>CHM 351 (4-5)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. General Distribution Requirements (All Majors—60 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each student is required to satisfy the General Distribution requirements of the College of Natural Sciences (see page 102). The selection of courses within the requirement is to be done in conference with Biology department advisers.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IV. Free Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology Major (BIO)</td>
</tr>
<tr>
<td>(22-23 cr. hrs.)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Microbiology Major (MIB)</th>
<th>Zoology Major (ZOO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(21-22 cr. hrs.)</td>
<td>(13-14 cr. hrs.)</td>
</tr>
</tbody>
</table>

**Teacher Education Programs:**

For information concerning the degree programs for secondary school teachers and junior college teachers, see pages 104-105 of this Bulletin.

**Requirements for the M.A. Degree:**

General requirements for graduate work are given on pages 43-44.

Major programs are offered in Botany, Microbiology or Zoology. The satisfactory completion of all general requirements and those specifically stated below are the responsibility of the individual student.

The selection of a major professor must occur within the first three quarters after admission. Failure to do so will be cause for termination. The choosing of a major professor includes acceptance of the student by the faculty member. Until selection is accomplished, the departmental graduate coordinator will function as the student’s adviser. The three-member supervisory committee, as approved by the departmental chairman and college dean, must include one faculty member from outside the student’s area of specialization.

Of the 45 credit hour minimum required at the 500-600 level, 25 must be at the 600 level or above, 30 of the 45 credit hours must be in formally structured courses of which 22 must be in biology; 15 of the 22 credit hours must be at the 600 level or above. All students must complete the graduate seminar (BOT or ZOO 691) and may obtain up to 9 hours for thesis credit. With permission of the Dean and the Director of Graduate Studies of the College, up to 8 credit hours at the 400 level may be included.

A final comprehensive examination on basic biology as well as the student’s area of research must be passed. This examination is open to all departmental faculty and is normally taken after the completion of formal course work and at least one quarter before thesis presentation.

In some cases, the ability to translate pertinent scientific literature from a foreign language must be demonstrated before taking the comprehensive examination.
Requirements for the Ph.D. Degree:

General requirements are given on page 45. A doctorate program in biology is offered. Areas of specialization for the Ph.D. are marine biology, ecology (tropical ecology, population ecology, and physiological ecology), physiology (cellular physiology, microbial physiology, neurophysiology), systematics, and behavior. On admission to the department for doctoral study, the student shall select a major professor from the departmental faculty for the direction of his program. Upon acceptance of the student by the faculty member and before the lapse of three quarters, a five-member supervisory committee will be named and approved by the department chairman and college dean. At least one member of the committee shall be from beyond the student's area of specialization. This committee shall approve the courses of study, choice of language skills, and the supervision of the student's research and dissertation.

It is expected that students will have had undergraduate training comparable to that of a USF undergraduate in biology.

A minimum of 30 credit hours are required in formally structured graduate-level courses from more than one faculty member, as well as any additional courses necessary to the needs of the individual's program as determined by the supervisory committee. A maximum of 15 hours of formally structured graduate-level courses may be transferred from other graduate institutions. An equivalent number of similar credit hours from a master's degree program at USF may be applied toward meeting the above requirements.

Some time before the end of the sixth quarter, a student must have demonstrated a reading proficiency in two foreign languages. Language selection will be by the supervisory committee and testing by either the faculty of biology or modern languages. After the language examination and before the end of the sixth quarter, a departmental preliminary examination, consisting of both written and oral parts, must be satisfactorily completed.

After completion of the above requirements, the student may be admitted to candidacy upon approval of the Dean and the Director of Graduate Studies of the College. Admission to candidacy must be granted at least one academic year before the degree is granted. One academic year of satisfactory service as a teaching assistant is required of all candidates. Also, a public seminar presentation of the dissertation during the final quarter's work is required.

A final oral examination will be administered and evaluated by the supervisory committee. Emphasis will be upon the dissertation, the student's mastery of his general field of research, and the application of fundamental biological principles to the dissertation. The examination is conducted by a neutral and non-voting convener and the candidate shall be subject to questioning by any biology faculty member in attendance.

■ CHEMISTRY (CHM/CHS/CHC)

The Bachelor of Arts degree provides a course of study designed for the student who does not intend to become a professional chemist but whose career goals require a thorough understanding of chemistry. Inherent in this program is a high degree of flexibility which permits tailoring a course of study to the student's own educational objectives. As such it offers considerable advantages to pre-professional students planning careers in medicine and the other health-related fields and an excellent preparation for primary and secondary school teachers of chemistry or physical science.

The Bachelor of Science degree in Chemistry is a rigorous program which supplies the foundation in chemistry required for both the student who begins a chemical vocation immediately upon graduation as well as the one who pursues advanced study in chemistry or related areas (marine science, biochemistry, psychology, business administration, etc.). In accord with this goal the curriculum for the B.S. degree has been certified by the American Chemical Society.

A new program leading to a B.S. degree in Clinical Chemistry is being offered by the Department of
Chemistry. This program, one of only three available in the country, will train chemists for a new and growing field serving the medical profession. This program is built upon a strong background of chemistry, biology, and related sciences. Graduates of this program could go on to graduate school in clinical chemistry, biochemistry, or even medical school. Interested students should see the Chairman of the Department of Chemistry for further information.

Requirements for the Baccalaureate Degree:

I. Chemistry Courses

<table>
<thead>
<tr>
<th>B.A. Chemistry (CHM)</th>
<th>B.S. Chemistry (CHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(54 cr. hrs.)</td>
<td>(65 cr. hrs.)</td>
</tr>
<tr>
<td>CHM 211-213 (12)</td>
<td>CHM 211-213 (12)</td>
</tr>
<tr>
<td>CHM 311 (5)</td>
<td>CHM 291 (1)</td>
</tr>
<tr>
<td>CHM 321 (5)</td>
<td>CHM 321 (5)</td>
</tr>
<tr>
<td>CHM 331-336 (15)</td>
<td>CHM 331-336 (15)</td>
</tr>
<tr>
<td>CHM 341-343 (8)</td>
<td>CHM 351 (4)</td>
</tr>
<tr>
<td>CHM electives (9)</td>
<td>CHM 441-443 (12)</td>
</tr>
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<td></td>
<td>CHM 445-447 (11)</td>
</tr>
<tr>
<td></td>
<td>CHM 491 (1)</td>
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<tr>
<td></td>
<td>CHM 511 (4)</td>
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</table>

<table>
<thead>
<tr>
<th>B.S. Clinical Chemistry (CHC)</th>
<th>(62-67 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 211-213 (12)</td>
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<tr>
<td>CHM 321 (5)</td>
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<tr>
<td>CHM 331-336 (15)</td>
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<tr>
<td>CHM 441-443 (8)</td>
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<tr>
<td>CHM 485 (3-8)</td>
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<td>CHM 521 (4)</td>
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<tr>
<td>CHM 523 (4)</td>
<td></td>
</tr>
<tr>
<td>CHM 525 (4)</td>
<td></td>
</tr>
</tbody>
</table>

II. Supporting Courses in the Natural Sciences

<table>
<thead>
<tr>
<th>B.A. Chemistry (CHM)</th>
<th>B.S. Chemistry (CHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(35 cr. hrs.)</td>
<td>(32 cr. hrs.)</td>
</tr>
<tr>
<td>MTH 212-213 (8)</td>
<td>MTH 302-305 (17)</td>
</tr>
<tr>
<td>PHY 201-206 (15)</td>
<td>PHY 301-306 (12)</td>
</tr>
<tr>
<td>Electives (except 370-470 series) (12)</td>
<td>PHY elective (300-400 level except 371) (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B.S. Clinical Chemistry (CHC)</th>
<th>(59-66 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 302-304 (13)</td>
<td></td>
</tr>
<tr>
<td>PHY 301-306 or 201-206 (12-15)</td>
<td></td>
</tr>
<tr>
<td>BIO 201-203 (12)</td>
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</tr>
<tr>
<td>BIO 315 (5)</td>
<td></td>
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<tr>
<td>BIO 351 (5)</td>
<td></td>
</tr>
<tr>
<td>ZOO 321 (5)</td>
<td></td>
</tr>
<tr>
<td>EGB 231-232 or ESC 301-302 (3-6)</td>
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</tr>
<tr>
<td>PHY 522 or ETK 522 (4-5)</td>
<td></td>
</tr>
</tbody>
</table>

III. General Distribution Courses

(All Majors—60 cr. hrs.)

The student is required to complete the General Distribution requirements of the College of Natural Sciences (see page 102).

IV. Free Electives

B.A. Chemistry (CHM)  B.S. Chemistry (CHS) (31 cr. hrs.)  (23 cr. hrs.)

The required sequence of Chemistry courses should be started immediately in the freshman year and the mathematics and physics requirements should be completed before the junior year so that CHM 341 (B.A. degree) or CHM 441 (B.S. degree) can be commenced at that time.

Teacher Education Programs:

For information concerning the degree programs for secondary school teachers and junior college teachers, see pages 104-105 of this bulletin.

Requirements for the M.S. Degree:

General requirements for graduate work are given on pages 43-44.

All entering graduate students who have no advanced work beyond a B.A. or B.S. will be required to take the core course in each of the five areas: analytical, biochemistry, inorganic, organic, and physical chemistry. This requirement can be waived by recommendation of the supervisory committee on the basis of past work, performance on a diagnostic test, or substitution of more comprehensive and advanced courses. The required core courses are CHM 511, CHM 532, CHM 542, CHM 551, and CHM 621.

Beyond the required core courses, the curriculum for a chemistry major will vary with the area of his thesis. The specific course requirements will be determined by his supervisory committee and his proposed research, in consonance with the regulations given on page 44.

In order to gain the experience that comes from teaching, satisfactory service as a teaching assistant for two academic years is required (unless a specific exemption is recommended by the supervisory committee).

Comprehensive Examination. Each student must pass the written comprehensive examinations in three of the five areas: analytical, biochemistry, inorganic, organic, and physical chemistry. Each examination will be administered by the faculty of that area and will be from one to three hours duration. Each examination will be graded by the members of the respective areas each arriving at a fail-pass-high-pass verdict. A student may repeat any or all of the examinations provided that he has passed three by the time five quarters have elapsed from his admission as either a degree-seeking or a non-degree seeking full-time graduate student. Normally, the examinations will be given during the period preceding Quarters I, II, III, and IV after the preceding quarters have ended.

While it is anticipated that the core courses will bridge the gap between undergraduate and graduate
courses, and will therefore help students prepare for the comprehensive examinations. It should be understood that the comprehensive examinations are general examinations in their respective fields and not merely final examinations in the core courses.

**Final Thesis Defense.** Upon completion of the thesis research and preliminary approval of the thesis by the supervisory committee, the M.S. candidate will be required to pass an oral examination conducted by the supervisory committee on his research. Final approval of the examination and of the thesis will require approval by the entire committee.

**Requirements for the Ph.D. Degree:**

General requirements for graduate work are given on page 45.

The Ph.D. in Chemistry does not require a specific number or distribution of course credits. The candidate, with the help of his adviser and the approval of his supervisory committee, will design a program of study and research that will result in a mature and creative grasp of chemical science. Approval of the candidate’s program will rest with his supervisory committee.

While there are no specific course requirements for the Ph.D. degree, beginning graduate students who plan to circumvent the M.S. degree are advised to take the core courses or their equivalent before attempting the Qualifying Examinations.

In order to gain the experience that comes from teaching, satisfactory service as a teaching assistant for two academic years is required (unless a specific exemption is recommended by the supervisory committee).

**Qualifying Examinations.** The Qualifying Examinations requirement for the Ph.D. degree will be the same as the comprehensive examination for the M.S. degree except that the Ph.D. candidate must pass the examinations in four out of five areas, and he must also pass two of these examinations (one of which is in his major area) “with distinction”. In other words, the Ph.D. candidate must demonstrate a very real grasp of the principles in his major area and one other area (probably related to his major area, but not necessarily so). As in the case of the M.S. requirements, a student may repeat any or all examinations, provided that he has passed four, two with high pass, by the time five quarters have elapsed from his admission as either a degree-seeking or non-degree seeking full-time graduate student. The Qualifying Examinations shall be given in the form of one to three hour examinations in each of the five areas—analytical, biochemistry, inorganic, organic, and physical.

While it is anticipated that the core courses will bridge the gap between undergraduate and graduate courses, and will therefore help students prepare for the qualifying examinations, it should be understood that the qualifying examinations are general examinations in their respective fields and not merely final examinations in the core courses.

**Language Examinations.** Before a student is eligible to qualify for candidacy for the Ph.D. degree, he must demonstrate a reading knowledge of the chemical literature in any two of the languages—German, Russian, and French (or any other language approved as appropriate by the supervisory committee); or he must demonstrate reading knowledge in one of these languages and demonstrate proficiency in a skill or specialization outside the discipline of chemistry. The latter could include (1) proficiency in computer programming; (2) advanced specialization in mathematics, physics, biology, geology, or any other appropriate area pertinent to scholarly work in chemistry; (3) any other field of advanced study of proficiency deemed appropriate by the supervisory committee.

The language requirement must be met by one of the following: (1) reading knowledge in two foreign languages as demonstrated by a test to be specified; (2) reading knowledge in one foreign language and some other proficiency such as computer programming; (3) in-depth knowledge of one foreign language (speaking and reading knowledge); (4) three quarters of a foreign language at the college level with a minimum of C grade in each quarter may be used to waive one language, or, if two foreign languages are taken, the language requirement is fulfilled; (5) periodic translations to be administered by the student’s supervisory committee. The language requirement must be met one year before graduation.

**Major Comprehensive Examination.** A comprehensive major examination will be required of Ph.D. candidates sometime after satisfactory completion of the qualifying examination. This examination must be taken one year before graduation.

**Advancement to Candidacy.** Completion of all the foregoing requirements admits the student to candidacy for the Ph.D.

**Final Thesis Defense.** Upon completion of the dissertation research and approval of the dissertation by the supervisory committee, the Ph.D. candidate will give a public oral presentation of his research. This presentation can be scheduled only after all members of the supervisory committee have approved and signed the final form of the dissertation. The oral presentation will be chaired by a member of the faculty outside of the Department of Chemistry appointed by the Dean of the College. The candidate may expect questions concerning the details and significance of his research after the oral presentation. Final approval of the candidate’s degree will require approval by a majority of the supervisory committee, which shall include the chairman of the oral presentation.

### GEOLOGY (GLY)

**Requirements for the B.A. Degree:**

**I. Geology Courses (50 cr. hrs.)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 201</td>
<td>5</td>
</tr>
<tr>
<td>GLY 301</td>
<td>4</td>
</tr>
<tr>
<td>GLY 302</td>
<td>4</td>
</tr>
<tr>
<td>GLY 303</td>
<td>4</td>
</tr>
<tr>
<td>GLY 311</td>
<td>4</td>
</tr>
<tr>
<td>GLY 361</td>
<td>5</td>
</tr>
<tr>
<td>GLY 412</td>
<td>4</td>
</tr>
<tr>
<td>GLY 503</td>
<td>4</td>
</tr>
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<td>GLY 504</td>
<td>4</td>
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<tr>
<td>GLY 513</td>
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</tr>
<tr>
<td>GLY 531</td>
<td>4</td>
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<tr>
<td>GLY electives</td>
<td>7</td>
</tr>
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</table>

**II. Supporting Courses (37-42 cr. hrs.)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology Electives</td>
<td>8</td>
</tr>
<tr>
<td>CHM 211-213</td>
<td>12</td>
</tr>
<tr>
<td>MTH 122</td>
<td>4</td>
</tr>
<tr>
<td>MTH 123</td>
<td>3</td>
</tr>
<tr>
<td>MTH 302</td>
<td>5</td>
</tr>
<tr>
<td>PHY 201-206</td>
<td>15</td>
</tr>
<tr>
<td>PHY 301-306</td>
<td>12</td>
</tr>
</tbody>
</table>
III. General Distribution Courses (60 cr. hrs.)
The student is required to satisfy the General Distribution requirements of the College of Natural Sciences. See page 102.

IV. Free Electives (28-33 cr. hrs.)
The student will choose, in consultation with his geology adviser, such courses in the College of Natural Sciences that support his major interest within the field of Geology. Selection of a foreign language, preferably French, German, or Russian, is strongly recommended, especially for those students who intend to enter graduate school.

An entering student anticipating a major in geology is advised to enroll in GLY 201, 301, and CHM 211, 212, 213 in the freshman year and to seek curriculum counseling with a Geology adviser.

All courses required for the major in geology (except GLY 481) must carry letter grades other than S or U.

Marine Geology:
One of the major divisions of marine study, marine geology, is a part of the program of the Geology Department. Courses and research in marine geoscience are conducted in the department, or in nearby marine environments. A geology major may, as a part of his program and with the guidance of his adviser, select electives from among GLY 411 Marine Geology, GLY 521 Geophysics, GLY 583 Selected Topics, and others that prepare him for graduate work. A major interested in marine geology should contact the chairman of the department for further details.

Teacher Education Programs:
Prospective secondary school teachers desiring to teach science at the secondary level should include basic courses in Geology and Earth Science as part of their curriculum.

For information concerning the M.A. degree program for junior college teachers, see page 104.

Requirements for the M.A. Degree:
General requirements for graduate work are given on pages 43-44.

Students are admitted for graduate work in Geology if they present the requisite background in geology and supporting sciences. The bachelor of arts or science degree with major in geology, mathematics or major in other natural science with strong supporting program in the geosciences is recommended. In addition, a supervised summer field course is very strongly recommended.

The curriculum for a geology major will vary with the area of his thesis. A minimum number of 45 credits is required for the master's degree of which: a minimum of 24 credits in courses numbered 600 or above (GLY prefix); either a written thesis in a field of specialization in geology approved by the advisory committee or an equivalent amount of course work in geology approved in advance by the committee; and additional graduate credits in geology approved as part of a planned degree program to make a minimum of 45 credits beyond the bachelor's degree and exclusive of prerequisites.

Satisfactory performance on a comprehensive examination is also required.

All required courses applicable to the master's degree (except GLY 681, 691, 699) must carry letter grades other than S or U. Other requirements for the degree may be found on page 44.

INTERDISCIPLINARY NATURAL SCIENCES (INS)
The Bachelor of Arts in the Interdisciplinary Natural Sciences Major (INS) is designed to serve students desiring a broad background in the sciences, such as science teachers and pre-medical science students. Prospective teachers should consult the section entitled Teacher Education Programs on page 104, and also consult the College of Education section of this bulletin for information about teacher certification in science or mathematics. Pre-medical science students should contact the chairman of the Pre-Medical Sciences Advisory Committee.

The requirements for graduation for this degree are the same as those contained on page 101 except that item 2 on the requirement is altered as follows:
2a. Completion of a sequence of courses constituting a major program with courses in a department of concentration and supporting courses in related departments. There must be a minimum of 36 credit hours in the discipline of major concentration and a minimum of 24 credit hours in supporting courses in the College of Natural Sciences outside the discipline of major concentration. These 24 hours must be approved by the student's adviser and must include a minimum of three at the 300 level or above. In this major concentration there must be a 2.0 grade point ratio, and also a 2.0 grade point ratio in the entire 60 hours. All 60 hours must be taken by letter grade except for those courses which are graded S-U only. Any additional courses outside the 60 hours may be taken on an S-U basis, subject to the overall limitation on the number of hours that may be taken S-U.

The interdisciplinary major is not necessarily an adequate preparation for entrance into a graduate program in the natural sciences. However, by the proper addition of science and mathematics credits beyond the minimum, the degree can serve as a strong preparation for employment or graduate work in a wide range of interdisciplinary fields, such as biochemistry, biophysics, geochemistry, geophysics, meteorology, microbiology, oceanography, and space sciences.

MARINE SCIENCE (OGY)
The Department of Marine Science has its headquarters at the St. Petersburg campus, a former U.S. Maritime base on Bayboro Harbor, Tampa Bay. There are excellent dockside, classroom, laboratory, and research facilities. The Department has accumulated many major items of research equipment and operates a fleet of small vessels from 14 to 36 feet in length. The majority of the graduate students in marine science are supported through research assistantships based upon
many grants and contracts that support both inshore and deep sea research projects.

**Requirements for the M.A. Degree:**

General requirements are given on pages 43-44. A minimum of 45 credits must include OGY 521, 531, 541, and 551 unless the student, as determined by his graduate committee, has had the equivalent of one or more of these courses.

The student may emphasize biological, chemical, geological, or physical oceanography through his thesis research and course work. A thesis is required but a foreign language is not.

Courses taken in addition to those required are determined by the area of specialty in consultation with the student's graduate committee. Normally, a student entering this program spends one or two quarters in residence at the Tampa campus taking courses in those departments most closely related to his specialty. Following course work at the Tampa campus, the student will usually move to St. Petersburg to complete his course work and thesis research.

### MATHEMATICS (MTH)

**Requirements for the B.A. Degree:**

The courses taken to satisfy the Group I and Group II requirements below will constitute the major program referred to in the general graduation requirement of the College of Natural Sciences.

I. Mathematics Requirements (47 cr. hrs.)

   Majors must complete at least 47 credits in mathematics courses above the 100 level, including MTH 302 (5), 303 (4), 304 (4), 305 (4), 309 (3), and 323 (4). In addition, except for majors in mathematics for teaching, the following sequence is required: MTH 405 (3), 406 (3), and 407 (3). Majors in mathematics for teaching must have MTH 423 (3), and 424 (3).

II. Mathematics Related Courses (21-26 cr. hrs.)

   Majors must take PHY 301-302, 303-304, and 305-306 and one of the following sequences:

   1. AST 301, 302 and one of AST 413, 443, 521, 522, 533, or 536.
   2. BIO 201, 202, 203.
   3. CHM 211, 212, 213.
   4. GLY 201, 301, and one of GLY 302, 311, 361 or 412.
   5. ECN 201, 202, and one of ECN 301 or 323.
   6. EGB 311, 312, 313.
   7. EGB 321, 322, and one of EGR 311 or 315.
   8. EGB 340, 341.
   9. PSY 201, 311, 312, and one of PSY 402, 403, 404, or 405.

   Majors will not receive credit toward graduation for the following courses: AST 371, PHY 371, ECN 231, ECN 331, ECN 431, SSI 301. Majors wishing to take a course which requires a knowledge of statistics should take MTH 345.

III. General Distribution Courses (60 cr. hrs.)

   Majors must satisfy the General Distribution requirements of the College of Natural Sciences, which must include (or show competence in) one of the following sequences:

   - FRE 101, 102
   - GER 101, 102
   - RUS 101, 102

   Courses taken by a student to satisfy the Group II (Mathematics Related) requirements may not be used toward the General Distribution requirements of the College of Natural Sciences.

IV. Free Electives (47-52 cr. hrs.)

   Suggested upper level courses for a major in mathematics are:

   - MTH 401 (4)
   - MTH 511 (4)
   - MTH 520 (4)
   - MTH 523 (4)
   - MTH 531 (4)

   Electives

   Variation in course selection for special needs is to be done in consultation with the appointed adviser.

The following is a suggested course program for the first two academic years:

**Fall Quarter (I) Winter Quarter (II) Quarter (III)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Two MTH electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 122, 123</td>
<td>MTH 302</td>
<td></td>
</tr>
<tr>
<td>MTH 304, 323</td>
<td>MTH 305</td>
<td></td>
</tr>
</tbody>
</table>

Students with a strong background in high school mathematics may omit either or both MTH 122, 123 with the consent of the chairman.

**Teacher Education Programs:**

For information concerning the degree programs for secondary school teachers and junior college teachers, see pages 104-105 of this Bulletin.

**Requirements for the M.A. Degree:**

General requirements for graduate work are given on pages 43-44.

A thesis is optional. The thesis program requires a minimum of 45 credits of course work, of which the thesis may carry three to nine credits. The non-thesis program requires 45 credits of course work. In either case, 24 hours of the course work must be taken in courses numbered 600 or above and the program must total at least 45 credits.

For each of the above programs, one of the following three 8-hour courses is required: MTH 614-615, 624-625, 632-633, and eight hours in each of disciplines—analysis, algebra, and topology. MTH 691 or MTH 681 is required each quarter, and may be omitted or taken more than six times only with the permission of the chairman.

A reading knowledge of either French, German, or Russian is required.

A comprehensive examination will be given to candidates before recommending that the degree be granted.
Requirements for the Ph.D. Degree:

In addition to the general University requirements for the Ph.D. degree, on page 45, the Mathematics department requires the following:
1. The two languages required must be chosen from French, German, and Russian.
2. Written preliminary examinations, usually taken during the second year, must be passed in four of the five following subjects: Algebra, Complex Analysis, Differential Equations, Real Analysis, and Topology.
3. Specific numbers or distributions of course credits are not required. It is assumed that at this level the candidate, with the help of his adviser, and the approval of his advisory committee, will design a program of study and research that will result in a mature and creative grasp of mathematics. Approval of the student’s program will rest with his advisory committee.

MEDICAL TECHNOLOGY

The University of South Florida offers a four-year program leading to the Bachelor of Science degree in Medical Technology. A student electing to major in Medical Technology will spend the first three years of the program on the campus of the University of South Florida; the fourth year (12 months) will be spent in one of the affiliated hospitals or clinical laboratories.

During the first three years, the medical technology student will complete the liberal arts and basic science requirements for entrance into the fourth year of the program for clinical training. To be eligible for entrance into the program’s fourth year, the student must have completed not less than 135 credit hours of work (excluding physical education courses). This work must include the following:
1. Biological Sciences
   A minimum of 24 hours is required and at least one course in micro-biology must have been included in this requirement.
2. Chemistry
   A minimum of 24 hours is required and organic chemistry must be included in this requirement.
3. Physics
   A minimum of 12 hours (one full-year course) is required.
   These courses must have solid academic content and may not include survey courses.
4. Mathematics
   One course in mathematics is required.
5. General Distribution Requirements
   Courses satisfying the general education requirements of the College of Natural Sciences.
6. Courses in non-science fields to insure a broad background.

Upon successful completion of this curriculum, recommendations of the College, and acceptance by one of the affiliated hospitals or clinical laboratories the student will complete 12 continuous months of training at that hospital or laboratory. This training period begins on September 1 of each year. During this period, he will continue to be registered as a full-time student of the University and will receive a total of 45 credit hours of work in principles and practice of medical technology, clinical microscopy, clinical bacteriology, instrumental analytic techniques, hematology, and clinical chemistry. These courses will be taught at the hospital. Because they are open only to those students formally admitted to the program, they are not listed in this catalog. Students successfully completing this program will be granted a Bachelor of Science degree in Medical Technology.

PHYSICS (PHY/PHS)

Requirements for the Baccalaureate Degree:

The Physics department offers both the B.A. degree and the B.S. Degree. The requirements for these degrees are:

I. Physics Courses

<table>
<thead>
<tr>
<th>B.A. Physics (PHY)—45-51 cr. hrs.</th>
<th>B.S. Physics (PHS)—57-63 cr. hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 201-206 (15)</td>
<td>PHY 301-206 (15)</td>
</tr>
<tr>
<td>PHY 315 or* (3)</td>
<td>PHY 309 (4)</td>
</tr>
<tr>
<td>PHY 310-306 (12)</td>
<td>PHY 309 (3)</td>
</tr>
<tr>
<td>PHY 307 (3)</td>
<td>PHY 341 (2)</td>
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<tr>
<td>PHY 407 (3)</td>
<td>PHY 441 (2)</td>
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<td>PHY 507 (3)</td>
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</tbody>
</table>

*Credit will not be given for both general physics sequences PHY 201-206 and PHY 301-306.

II. Supporting Courses in the Natural Sciences

<table>
<thead>
<tr>
<th>B.A. and B.S. Physics—(33 cr. hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 211-213 (12)</td>
</tr>
<tr>
<td>MTH 302-305 (17)</td>
</tr>
<tr>
<td>MTH 401 (4)</td>
</tr>
</tbody>
</table>

III. General Distribution Courses

(60 cr. hrs.)

The student is required to complete the General Distribution requirements of the College of Natural Sciences (see page 102). Any course taken in the College of Natural Sciences or Engineering for the purpose of satisfying these requirements must receive prior written permission by the Chairman of the Physics department. Selection of a foreign language, preferably French, German, or Russian, is also strongly recommended.

IV. Free Electives

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>B.S. Physics (PHS): 24-30 cr. hrs.</td>
</tr>
</tbody>
</table>
Teacher Education Programs:

For information concerning the degree programs for secondary school teachers and junior college teachers, see pages 104-105 of this Bulletin.

Requirements for the M.A. Degree:

General requirements are given on page 45. When a student is admitted to the graduate program in physics, he will consult with the Graduate Physics Adviser, who will be his course adviser and will also keep a close check on the progress of the student in his work. After a decision has been made concerning the student's academic goals, the duties of the Graduate Adviser will be assumed by an Advisory Committee appointed by the department chairman. The Advisory Committee will have the right and the responsibility to add special requirements to meet any deficiency in the student's background.

The student desiring the M.A. degree with a thesis is required to take a minimum of 45 credits no more than nine of which may be for PHY 681, 691, and 699. Of these 45 credits, 24 must be in courses numbered 600 or above. Required courses are PHY 537, 541, 607, 631, and 641. The Advisory Committee will administer a comprehensive examination before recommending that a degree be granted.

The student desiring the M.A. degree without a thesis is required to take a minimum of 45 credits, no more than three of which may be for PHY 681 and 691. Of these 45 credits, 24 must be in courses numbered 600 or above. Required courses are PHY 541, 542, 543, 605, 608, 633, 637, and 641. The Advisory Committee will administer a written and an oral comprehensive examination before recommending that a degree be granted.
The College of Nursing offers an upper division program in nursing that leads to a Bachelor of Science degree with a major in nursing. The program is designed so that students with appropriate preparation equivalent to two years of college level study can enroll in the nursing major and complete requirements for the degree in the equivalent of two additional years of full-time study. Students may meet all requirements at the University of South Florida or they may complete lower division prerequisites elsewhere and transfer to USF for the nursing major. Students wishing to enroll as freshmen at USF need the same requirements as other applicants for admission to the University and should follow the admission procedures outlined elsewhere in the Bulletin.

The practice of professional nursing involves problem-solving and decision-making based on knowledge from the humanities and the physical, biological, social and behavioral sciences. Shortages of qualified personnel, technological advances and increasing demands for health care services have brought changes in the functions and responsibilities of those in the health care professions. As a result, nursing practice has become increasingly complex and demanding in terms of knowledge and skills required to assume added responsibilities and functions. The goal of this program is to provide students with opportunities to develop cognitive, affective and psychomotor skills basic to general nursing practice in any setting where professional nursing services are provided: acute care hospitals, community health agencies, extended care facilities, industry, physicians' offices, military health services, the American Red Cross, the Peace Corps and so on. The program will also focus on interpersonal and leadership skills essential to meeting the responsibilities of professionals in the health care system and as responsible citizens. An additional goal is that of assisting students to establish investigative and independent study habits that will persist throughout a lifetime of professional growth and development.

Graduates of this program are eligible for admission to examinations leading to licensure to practice as professional nurses in the State of Florida or to apply for licensure in other states. Graduates also have the educational background necessary for graduate study in nursing to prepare for expanded roles in clinical nursing practice or for teaching, administration, research and other leadership responsibilities.

Admission to the College

The College of Nursing determines eligibility of candidates to enter the nursing major at the junior level. All students wishing to enroll in nursing must submit an application for admission to the College of Nursing at least two quarters prior to anticipated enrollment (e.g., winter quarter for enrollment in fall quarter of the forthcoming academic year). Applications can be obtained by contacting the Office of the Dean, College of Nursing.

Minimum requirements for admission include:

1. Completion of 90 quarter hours or 60 semester hours of college level work with a cumulative average of "C" or better.
2. Completion of the University general distribution requirements in English composition, mathematics, social science and humanities.
3. Completion (with a "C" average or better) of a sequence of courses equivalent to Chemistry 211, 212, 213
   Biology 201, 202, 203
4. Completion (with a "C" average or better) of introductory psychology and sociology or the equivalent. At least one additional course in each of these areas (preferably courses in human growth and development, group dynamics, social and cultural relationships, etc.) is desirable and will be required for admission after September 1973.
5. Completion of an additional physical or biological science course (e.g., anatomy, physiology, microbiology) is desirable and will be required after September, 1973.
6. United States citizenship or Declaration of Intention (a requirement to write the licensing examination and to practice nursing in Florida).
7. Evidence of high school graduation or equivalency. (Also a requirement under Florida law.)

Transfer

The requirements for students wishing to transfer from other institutions to enroll in the nursing major follow the procedures for transfer students outlined in the USF Bulletin and the procedure outlined above for admission to the College of Nursing.

Limitation of Enrollment

The grade and course requirements mentioned above are minimal. The College of Nursing has to set limitations on enrollment based on availability of faculty, laboratory facilities and resources for clinical nursing practice. Therefore, admissions will be on a selective basis in which attention will be directed toward overall academic performance, academic performance in sciences basic to nursing, nature of courses taken and degree of difficulty, individual goals and interests and other factors pertinent to the purposes of this program and professional nursing practice.

Admission of Registered Nurses

Since this is a newly developing program, it is not possible to accept graduates of diploma and associate
degree programs into the nursing major until goals for that program have been enunciated and tools for determining advanced placement in nursing have been developed. It is our intent to admit registered nurses with appropriate advanced standing as soon as possible and College of Nursing personnel are available to provide academic counseling relative to the fulfillment of lower division prerequisites or other individual concerns relating to eligibility for admission when the program is available.

**Courses in Nursing**

The curriculum in nursing and course descriptions will be available as soon as approval has been received from the necessary University Committees and the Florida Board of Nursing.

Nursing courses will require substantial theory and nursing practice in care of the physically and mentally ill, the young and the old, the acutely and chronically ill. They will also provide opportunities for learning in health maintenance, preventive and rehabilitative services and for functioning as members of nursing and health care teams in highly responsible and complex patient care settings. Learning experiences in nursing will be developed and guided by registered professional nurses with graduate preparation in clinical nursing. Nursing practice experience will be provided in a variety of institutions and agencies involved in the delivery of nursing services.

Students will be responsible for arranging their own transportation to clinical nursing assignments and for providing the required uniforms and equipment.

**Requirements for Graduation**

Students will be certified for graduation with a Bachelor of Science degree, major in nursing, upon the completion of a minimum of 180 quarter hours distributed among general education, related science and nursing courses.
The social and behavioral sciences are concerned with man, his development, problems, and institutions. They help the student to understand the world around him and to become an informed citizen. Social and behavioral sciences provide the student with an adequate background and knowledge for later application in business, government, and social service professions, either upon graduation or upon completion of additional graduate study.

The College is concerned with the broad development of students' knowledge. Thus it offers interdisciplinary programs and limits work in any one field. The college emphasizes individual projects in many courses, laboratories, field studies, and the opportunity to earn credit through independent study and examination.

It is important that the student develop basic skills for research and creative scholarship: hence the provision of senior seminars and special courses on research methodology. These skills are important for the critical appraisal of scholarly work even though the student might not go on to graduate study. There is opportunity for students to collaborate with their professors on research projects and to render services to the community.

### Baccalaureate Level Degree Programs

#### Admission to the College

Lower level students may be admitted by application to the college and are encouraged to apply early in their freshman year. Upper level admission requires completion of 90 credits.

Application for admission to the college is made in the Office of the Coordinator of Advising. Upon admission the student will be counseled in his selection of courses by an adviser from the major field. He will then plan the remainder of his college program to fulfill his educational needs and satisfy requirements for the Bachelor of Arts degree. The academic adviser for the student will generally supervise his progress; however, the student assumes the responsibility for meeting all University, college, and departmental requirements.

Any student of the University may take courses in the College of Social and Behavioral Sciences. Freshmen and sophomores may take social and behavioral science courses as part of their distribution requirements and as general electives. Students in other colleges or adults in the community may elect social and behavioral science courses of particular interest.

#### General Requirements for Degrees

The College of Social and Behavioral Sciences currently offers one undergraduate degree: Bachelor of Arts. These requirements (referred to on page 33 of this catalog) are summarized as follows:

1. 180 credits with at least a 'C' average (2.0) in work done at the University of South Florida. At least 60 of the 180 credits must be in courses numbered 300 or above.
2. General distribution of courses as required by the University in the areas of English Composition, Humanities/Fine Arts, Mathematics/Quantitative Methods, Natural Sciences and Social and Behavioral Sciences. (See Distribution Requirements, page 32.) The College of Social and Behavioral Sciences recommends that students majoring in the College select a minimum of eight hours from the courses listed by area below:
   a. Area I—English Composition: ENG 101, 102, 103.
   c. Area III—Mathematics/Quantitative Methods: MTH 109, 110, 122, 123, 211, 212, 213, PHI 303, SSI 301.
   e. Area V—Social & Behavioral Sciences: AFA 230, ANT 201, 371, EFN 100, GPY 371, HTY 100, 371, POL 201, PSY 201, 401, SOC 181, 201, 401, SSI 100, 201, 202, 300, 383, WSP 201.

   Departments may designate additional courses up to a maximum of 20 hours to count toward the general distribution requirements. Each student should check with his departmental adviser regarding these requirements.

3. Completion of a major in a subject or an integrated major involving several subjects. There must be at least a 2.0 average in this major for all USF work. To insure breadth of experience and to preclude undue specialization, a student must earn (or show competence in) a minimum of 120 academic credits outside his discipline of concentration, including at least 90 credits outside the college of the major.

4. Work transferred from other schools will not be included in the grade point ratio computed for graduation. (However, graduation with honors requires a 3.5 average in USF work and also in any previous college work.)
5. A student must earn the last 45 credits in residence at the University of South Florida.

Most of the social and behavioral science majors require statistics. The student should take elementary college mathematics courses to prepare himself for statistics. All social and behavioral science majors require clarity and accuracy of English expression.

The student must fulfill all the requirements for his major as indicated on the following pages, or receive written permission from the department chairman for any substitution or exemption.

**Programs Leading to the Baccalaureate Degree**

The College of Social and Behavioral Sciences offers a major in 13 fields as described in the following pages. In addition to the departmental majors, interdisciplinary majors are offered. (See Interdisciplinary Social Science, International Studies, and Social Science Education listed below.) Economics offers two majors, one in the College of Social and Behavioral Sciences and the other in the College of Business Administration.

**Graduate Level Degree Programs**

Graduate level courses are now offered in most social and behavioral science areas and the Master of Arts degree is offered in the following:

- Geography (GPY)
- Gerontology (AGE)*
- History (HTY)
- Political Science (POL)
- Psychology (PSY)
- Rehabilitation Counseling (REH)
  - post-baccalaureate
- Rehabilitation Counseling (REF)
  - five-year program
- Sociology (SOC)

A Bachelor of Arts degree is offered in the following:

- Afro-American Studies (AFA)
- Anthropology (ANT)
- Anthropology-Linguistics (ANL)*
- Criminal Justice (CJP)
- Economics (ECN)
- Geography (GPY)
- History (HTY)
- Interdisciplinary Social Sciences (SSI)
- International Studies:
  - International Relations (INR)
  - Latin American Studies (LAM)
  - Non-Western Studies (NWE)
- Political Science (POL)
- Psychology (PSY)
- Sociology (SOC)
- Social Science Education (SSE)**

*Offered jointly with the College of Language and Literature
**Offered jointly with the College of Education

In addition to the Master of Arts degree offered from the College of Social Behavioral Sciences, joint degrees are offered with the College of Education in Social Science Education, School Psychology, and the Junior College Teachers Program.

A Master of Science degree is also offered in:

- Audiology (AUD)
- Speech Pathology (SPP)
- post-baccalaureate
- Audiology (AUF)
- Speech Pathology (SPF)
- five-year program

A Doctor of Philosophy degree is offered in:

- Psychology (PSY)

*Offered by the Aging Studies Program.
Special Non-Degree Programs

The Aging Studies undergraduate program consists of a core of courses designed for interested students. These courses are: AGE 301, 315, 325, 405. Additional information will be found in the Aging Studies Program section of the catalog.

The Leisure Studies Program is concerned with leisure in its broadest sense and provides a core of courses for interested students. This program is presently housed in the Department of Interdisciplinary Social Sciences and the courses are listed under Social Sciences (Interdisciplinary) (SSI) as SSI 413, 481, 583. The Off-Campus Term Program offers a wide variety of opportunities for self-designed, supervised experiences for credit. This program is presently housed in the Department of Interdisciplinary Social Sciences and the courses are listed under Off-Campus Term (OCT).

The Women's Studies Program consists of courses designed to deal with historical, sociological, and psychological aspects of woman's role and of the female experience. This program is presently housed in the Department of Interdisciplinary Social Sciences and the courses are listed under Women's Studies (WSP).

Programs and Curricula

■ AFRO-AMERICAN STUDIES (AFA)
Requirements for the B.A. Degree:
The major in Afro-American Studies consist of a minimum of 56 hours in the field specified as follows:

<table>
<thead>
<tr>
<th>Required Core</th>
<th>Elective Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses</td>
<td>(32 cr. hrs.)</td>
</tr>
<tr>
<td>AFA 230 (4)</td>
<td>AFA 337 (4)</td>
</tr>
<tr>
<td>AFA 333 (4)</td>
<td>AFA 341 (4)</td>
</tr>
<tr>
<td>AFA 334 (4)</td>
<td>AFA 428 (4)</td>
</tr>
<tr>
<td>AFA 335 (4)</td>
<td>AFA 431 (4)</td>
</tr>
<tr>
<td>AFA 336 (4)</td>
<td>AFA 438 (4)</td>
</tr>
<tr>
<td>Plus three of the following:</td>
<td>(24 cr. hrs.)</td>
</tr>
<tr>
<td>AFA 343 (4)</td>
<td>AFA 442 (4)</td>
</tr>
<tr>
<td>AFA 432 (4)</td>
<td>AFA 444 (4)</td>
</tr>
<tr>
<td>AFA 481 (1-4)</td>
<td>AFA 485 (2-4)</td>
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<tr>
<td>AFA 483 (1-4)</td>
<td>AFA 499 (4)</td>
</tr>
<tr>
<td>AFA 440 (4)</td>
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<tr>
<td>AFA 491 (4)</td>
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</tbody>
</table>

■ AGING STUDIES (AGE)
The primary purpose of the Aging Studies Program is to prepare personnel to work in social, health, education and welfare programs for older citizens. Major emphasis is upon the planning, development, delivery, and evaluation of community services. In keeping with this emphasis, a multi-disciplinary curriculum leading to the M.A. degree in Gerontology is offered. At the undergraduate level, a core of four courses is offered. These courses are designed as electives for students from a variety of areas, particularly the human service areas. A baccalaureate degree is not offered.

A limited number of trainee stipends are available at both the graduate and undergraduate levels.

Requirements for the M.A. degree in Gerontology:
The M.A. degree requires five university quarters of full-time study including one quarter of supervised field experience. Most of the courses required were developed specifically to meet the objectives of the program and are offered under the label "AGE". The M.A. in Gerontology requires a minimum of 54 credit hours in approved courses including 12 hours of field placement. Of the 54 hours, 47 hours must be in courses labeled "AGE". Required courses for the M.A. degree include:

<table>
<thead>
<tr>
<th>Requirements for the M.A. degree in Gerontology:</th>
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</thead>
<tbody>
<tr>
<td>AGE 501 (3)</td>
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<tr>
<td>AGE 502 (3)</td>
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<tr>
<td>AGE 503 (3)</td>
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<tr>
<td>AGE 507 (3)</td>
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<tr>
<td>AGE 603 (3)</td>
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<tr>
<td>AGE 606 (3)</td>
</tr>
</tbody>
</table>

Majors are also required to take a minimum of 6 hours from the following:

<table>
<thead>
<tr>
<th>Requirements for the M.A. degree in Gerontology:</th>
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</thead>
<tbody>
<tr>
<td>AGE 504 (2)</td>
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<tr>
<td>AGE 509 (2)</td>
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<tr>
<td>AGE 605 (4)</td>
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</tbody>
</table>

Electives from other departments must be approved by the student's adviser. There are no language or thesis requirements.

Admission Requirements
To be eligible for admission to the M.A. program, the applicant must:
1. Hold a baccalaureate degree or its equivalent from an accredited college or university.
2. Have a minimum score of 1000 on the Graduate Record Examination (total of Quantitative and Verbal Aptitude scores) plus a minimum grade point average of 2.5 (A=4.0) on the last half of courses taken for the bachelor's degree.

or

Have a minimum score of 800 on the Graduate Record Examination (total of Quantitative and Verbal Aptitude scores) plus a minimum grade point average of 3.0 (A=4.0) on the last half of courses taken for the bachelor's degree.

Preference is given to applicants who demonstrate commitment to or experience in programs for older persons. In addition to the University graduate studies application, a program application is required and should be obtained from the Aging Studies Program.

■ ANTHROPOLOGY (ANT/ANL)
Requirements for the B.A. Degree in Anthropology (ANT):
The major in Anthropology consists of a minimum
of 44 credit hours in the field. Students may take more than this minimum if they desire. ANT 201 is prerequisite to all subsequent courses. ANT 311, 321, 331, and LIN 301 (sections of LIN 301 numbered 011, 012, etc. are designed for anthropology majors) are required as intermediate level training in the main subdivisions of the field and ANT 461 and ANT 491 complete the specific course requirements. Majors may not include more than two each of any of the 400-level courses in the total of the 44 hours required. Anthropology majors are strongly urged to take Social Science Statistics (SSI 301) or the equivalent, and to become competent in the use of a foreign language. Exceptions to course prerequisites require the consent of the instructor.

Required Core Courses
(28 cr. hrs.)
ANT 201 (4)
LIN 301* (4)
ANT 311 (4)
ANT 321 (4)
ANT 331 (4)
ANT 461 (4)
ANT 491 (4)

Requirements for the B.A. Degree in Anthropology—Linguistics (ANL):

This sequence is designed for students who are particularly interested in the role of language in human behavior and cultural development.

Required Core Courses (43 cr. hrs. minimum)
ANT 201 (4)
ANT 311 (4)
ANT 321 (4)
ANT 331 (4)
ANT 401 (3-6)
ANT 461 (4)
ANT 491 (4)
ANT 431 (3-6)
or
ANT 441 (3-6)
LIN 301* (4)
LIN 401 (4)
SPE 503 (5)

Required Support Courses (12 cr. hrs. minimum from the following group)
LIN 321 (4)
LIN 530 (4)
LIN 540 (4)
LIN 541 (4)
LIN 531 (4)
LIN 545 (4)
LIN 551 (5)
CLS 571 (5)
PHI 531 (4)
PSY 441 (4)

*Sections of 011, 012, etc. are for Anthropology majors and require ANT 201 as a prerequisite.

■ CRIMINAL JUSTICE (CJP)

Requirements for the B.A. Degree:

The Criminal Justice Program provides students pursuing a major with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections and probation and parole. The program, leading to a B.A. degree, concentrates on achieving balance in the above aspects of the system from the points of view of the criminal justice professional, the offender, and society.

The major in Criminal Justice consists of a minimum of 53 credit hours including 12 credit hours in CJP 499 (Practicum). Students with a minimum of one year, full-time experience with an appropriate criminal justice agency will only be required to take four credit hours in CJP 499, thus reducing their major requirements to 45 credit hours. The following courses are required of all majors:

CJP 201 (5) CJP 491 (3)
CJP 301 (4) CJP 499 (4-12)
CJP 302 (4) SOC 561 (4)
CJP 315 (4) SOC 563 (4)

*Two sections of CJP 315, a variable credit course, are required. Nine additional hours to be elected by the student complete the requirements. It is strongly recommended that PSY 201 and SOC 201 be taken prior to starting the CJP sequence.

■ ECONOMICS (ECN)

Requirements for the B.A. Degree:

The Economics Department is committed to preparing the student with an understanding of economic theory and a knowledge of economic reality. The objective of the department is to combine rigorous training in the body of existing economic theory with an awareness and understanding of fundamental changes taking place in the economies of the United States and foreign countries. It thus emphasizes training in the discipline of what is known and empirical investigation into what is unknown or partially known.

A student may take courses leading to a Bachelor of Arts with major in Economics by completing 48 credits in Economics. The student takes a core of courses which provides a basic background in economics and statistics and includes:

ECN 201 (4) ECN 301 (5)
ECN 202 (4) ECN 323 (5)
ECN 231 (3) ECN 401 (5)
ECN 331 (5)

In addition to this core, the student may select according to his interests from a variety of courses in labor economics, international trade, urban economics, public finance, comparative economic systems, industrial organization, monetary economics and economic development (see course listings). Students interested in majoring in economics are encouraged to contact the departmental adviser for more information about the economics program and career opportunities in economics. The department maintains a file describing the career opportunities for economists in business, government and education.

■ GEOGRAPHY (GPY)

Requirements for the B.A. Degree:

A major in geography consists of 50 credit hours as follows:

Required core courses (40 cr. hrs.)
GPY 301 (5)
GPY 302 (5)
GPY 303 (5)
GPY 371 (5)
GPY 403 (5)

World Geography
Meteorology
Requirements for the M.A. Degree:

General requirements for graduate work are given on pages 43-44.

All students must complete 45 credit hours in graduate geography courses, following one of the two plans outlined below. A written and oral comprehensive examination covering the general field of geography is required before graduation, and the student must demonstrate his ability to translate into English the pertinent scientific literature from one modern foreign language. Foreign students, whose mother tongue is not English, may use English as their foreign language. A computer language (such as Fortran) may be used to meet the language requirement.

Non-Thesis Program: The 45 credit hours in geography must include: GPY 501, 503, 505, 507, 603, 605, 607, and 699. Up to eight credits outside the department may be elected with the approval of the student’s committee and major professor. An oral defense of the thesis is required.

Requirements for the B.A. Degree:

The undergraduate curriculum in History is composed of the introductory course HTY 100 (4), the advanced courses HTY 371 (4), 381 (4), 485 (1-4), 587 (4), 591 (4), 592 (4), and the following fields:

Field I, Ancient History, consisting of courses

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HTY 201</td>
<td>(4)</td>
<td>HTY 401 (4)</td>
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<tr>
<td>HTY 202</td>
<td>(4)</td>
<td>HTY 402 (4)</td>
</tr>
<tr>
<td>HTY 321</td>
<td>(4)</td>
<td>CLS 321 (5)</td>
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<tr>
<td>HTY 322</td>
<td>(4)</td>
<td>CLS 527 (4)</td>
</tr>
<tr>
<td>HTY 325</td>
<td>(4)</td>
<td>CLS 529 (4)</td>
</tr>
<tr>
<td>HTY 326</td>
<td>(4)</td>
<td></td>
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</tbody>
</table>

Field II, Medieval History, consisting of courses

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTY 221</td>
<td>(4)</td>
<td>HTY 328 (4)</td>
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<tr>
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<td>HTY 324</td>
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<td>HTY 327</td>
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<td>HTY 366 (4)</td>
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<td>HTY 423</td>
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Field III, European History, consisting of courses

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<tr>
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<tbody>
<tr>
<td>HTY 231</td>
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<td>HTY 232</td>
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<tr>
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Field IV, American History, consisting of courses

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<td>HTY 315</td>
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<tr>
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Field V, Latin American History, consisting of courses

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<thead>
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<td>HTY 353</td>
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Field VI, Comparative History, consisting of courses

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<th>Credits</th>
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<tbody>
<tr>
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<td>HTY 426</td>
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<td>HTY 465 (4)</td>
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<td>HTY 427</td>
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A minimum of 48 credit hours is required for a major. From Part I, HTY 100 and any other two of the following sequences are required: HTY 201, 202; HTY 221, 222; HTY 231, 232; or HTY 251, 252. With the consent of a departmental advisor, cross-selection may be permitted. From Parts II and III, a minimum of sixteen hours is required in 300 or above level courses. Of these sixteen hours, twelve must be taken within one of the six fields. From Part III, at least one HTY 591 (Pro-Seminar), HTY 587, and HTY 592 are required (HTY 587 and 592 should be taken during the senior year). CLS 321, 527, and 529 will be accepted toward satisfying the requirements in the field of Ancient History.

History majors, in addition, should take SPE 201 (Fundamentals of Speech), ENG 350 (Advanced Expository Writing) and at least 27 credit hours drawn from the following disciplines: Anthropology, Economics, Geography, Political Science, Psychology, Philosophy, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language. Majors, whether intending graduate work or not, should have at least two courses from the Interdisciplinary Social Science program.

Requirements for the M.A. Degree:

The graduate curriculum in History is composed of a core program, a thesis and course work in the following fields: Field I, American History to 1865; Field II, American History since 1865; Field III, Early Modern European History; Field IV, Modern European History; Field V, Ancient and Medieval History; Field VI, Latin American History; and Field VII, Comparative History.

In addition to the general requirements of the University, a candidate is required to complete a total of 48 credit hours, 8 of which shall comprise a thesis. At
least 30 credit hours must be in formal, regularly scheduled course work, 24 of which must be at the 600 level. Subject to satisfaction of above requirements, courses at the 500 level are acceptable as part of a planned degree program and in special circumstances major advisers may approve up to 8 hours at the 400 level with the definite understanding that additional and superior work will be required of the graduate student. The core courses, HTY 600, 601 are required of all candidates.

A reading proficiency in one foreign language must be demonstrated. A satisfactory preparation in the core program, two fields, the completion of a comprehensive examination, and a thesis are required for graduation.

**INTERDISCIPLINARY SOCIAL SCIENCES (SSI/INR/LAM/NWE)**

The Department of Interdisciplinary Social Sciences is responsible for offering two types of courses: (1) a series of courses which provide the social science facet of that part of a formal university education which should be common to all graduates of the University of South Florida; and (2) courses designed to deal with cross-disciplinary problems in the social sciences by using the "convergence" concept of interdisciplinary treatment. Its courses are provided as a service to all interested departments of the University. Certain of the courses offered by the department are either required or recommended by a number of departments in other colleges within the University and by several interdisciplinary degree programs.

The Department of Interdisciplinary Social Sciences includes several related programs and course sequences. It coordinates the college major (SSI) and offers a B.A. degree in any of three fields within International Studies: International Relations (INR), Latin American Studies (LAM), and Non-Western Studies (NWE). In addition, the department provides several courses which were formerly part of the Basic Studies College program as a service to all students. These courses include SSI 201, 202, 383, formerly known as CBS 201, 202, 203 (Behavioral Science) and SSI 100 and 300 which now substitute for CBS 301 and 302 (American Idea). They constitute part of the University's distribution requirements.

**Requirements for the B.A. Degree in Interdisciplinary Social Sciences (SSI):**

The college major is designed to provide broad training for superior students whose interests or vocational objectives cross disciplinary lines. (Students with restricted interests should not attempt it.) It requires 64 credits in the college, with at least 20 credits in one discipline, to be selected with the consent of the major adviser. A minimum of three courses in Interdisciplinary Social Sciences (prefix "SSI"), including SSI 301, is required. At least 40 of the 64 hours required must be upper level.

A different kind of interdisciplinary major for prospective teachers of social studies is described under the College of Education requirements.

**Requirements for the B.A. Degree in International Studies:**

Three programs are currently offered in International Studies: International Relations (INR), Latin American Studies (LAM), and Non-Western Studies (NWE). The core curriculum common to the three includes four courses:

- **Required Core Courses (17 cr. hrs.)**
  - ANT 201 (4)
  - ECN 201 (4)
  - ECN 202 (4)
  - GPY 371 (5)
  - **Suggested Electives**
    - ENG 350 (4)
    - SPE 201 (5)
    - SPE 363 (5)

  **Required Supporting Courses**
  - 18 cr. hrs. above 100 level (or equivalent proficiency) of appropriate foreign language

Each student's program must be planned with the international studies adviser who is empowered to make appropriate substitutions when educationally justified. Up to nine credits may be substituted for these requirements by successfully passing SSI 395 (1-9).

**International Relations (INR)**

International Relations majors must select 11 courses from the list below, from at least three departments, and including a minimum of 6 courses of International Relations content (indicated by asterisks):

- ANT 331 (4)
- ANT 441* (3-6)
- (any foreign region)
- ECN 351* (4)
- ECN 405* (4)
- GPY 405 (5)
- (political)
- GPY 407* (5)
- (any foreign region)
- HTY 251 (4)
- HTY 252 (4)
- HTY 333 (4)
- HTY 334 (4)
- HTY 337 (4)
- HTY 338 (4)
- HTY 340 (4)
- HTY 341 (4)
- HTY 342 (4)
- HTY 345* (4)
- HTY 346* (4)
- HTY 347 (4)
- HTY 409* (4)
- HTY 410* (4)
- HTY 429* (4)
- HTY 430* (4)
- HTY 461* (4)
- HTY 464 (4)
- POL 311* (4)
- POL 331* (4)
- POL 333* (4)
- POL 338* (4)
- POL 405 (4)
- POL 410 (4)
- POL 415* (4)
- POL 421* (4)
- POL 425 (4)
- POL 428 (4)
- POL 436* (4)
- POL 438* (4)
- POL 550* (4)
- POL 561* (4)
- SOC 371 (4)
- SOC 541 (4)
- SOC 571 (4)
- SSI 300* (4)
- SSI 311* (4)
- SSI 315* (4)
- SSI 339 (4)
- SSI 341 (4)
- SSI 343 (4)
- SSI 345 (4)
- SSI 347 (4)
- SSI 361* (4)
- SSI 449* (4)
- SSI 450* (4)
- SSI 481* (1-4)
- SSI 485* (1-4)
- SSI 491* (4)
- SSI 505* (4)
- SSI 583* (1-4)

(international topic)
Latin American Studies (LAM)
Latin American Studies majors must select 11 courses from the list below, from at least three departments, and including a minimum of 6 courses of Latin American content (indicated by asterisks):

ANT 331 (4) (Latin America)  
ANT 441* (3-6) HUM 545* (4)  
ECN 351 (4) POL 425* (4)  
ECN 405 (4) POL 561 (4)  
ECN 451 (4) SOC 371 (4)  
ECN 461 (4) SOC 541 (4)  
GPY 405 (5) SOC 571 (4)  
(3-6) GY 591* (4)  
(Hum) GPY 407* (5)  
(1-4) HTY 251* (4) SSI 301 (4)  
(4) HTY 252* (4) SSI 311 (4)  
(4) HTY 353* (4) SSI 315 (4)  
(4) HTY 355* (4) SSI 341* (4)  
(4) HTY 409 (4) SSI 481* (1-4)  
(4) HTY 410 (4) SSI 485* (1-4)  
(4) HTY 451* (4) SSI 491 (4)  
(4) HTY 453* (4) SSI 505 (4)  
(4) HTY 461 (4) SSI 583 (1-4)  

Non-Western Studies (NWE)
Non-Western Studies majors must select 11 courses from the list below, from at least three departments, and including a minimum of 6 courses of Non-Western content (indicated by asterisks):

ANT 331 (4)  
ANT 441* (3-6) HUM 545* (4)  
ECN 351 (4) POL 425* (4)  
ECN 405 (4) POL 561 (4)  
ECN 451 (4) SOC 371 (4)  
ECN 461 (4) SOC 541 (4)  
GPY 405 (5) SOC 571 (4)  
(3-6) GY 591* (4)  
(Hum) GPY 407* (5)  
(4) HTY 251* (4) SSI 301 (4)  
(4) HTY 252* (4) SSI 311 (4)  
(4) HTY 353* (4) SSI 315 (4)  
(4) HTY 355* (4) SSI 341* (4)  
(4) HTY 409 (4) SSI 481* (1-4)  
(4) HTY 410 (4) SSI 485* (1-4)  
(4) HTY 451* (4) SSI 491 (4)  
(4) HTY 453* (4) SSI 505 (4)  
(4) HTY 461 (4) SSI 583 (1-4)  

**POLITICAL SCIENCE (POL)**

**Requirements for the B.A. Degree:**

A minimum of 44 credit hours is required for a major. The core curriculum consists of 8 credit hours and, in addition, the student must take at least one course each from the four fields with a total of nine courses and 36 credit hours. While some courses may be listed under two fields, a course may be used only once to fill a field requirement.

The undergraduate curriculum in political science is composed of the following:

**Required Core Courses**  
(8 cr. hrs.)  
POL 199 (4)  
or  
POL 201 (4)  
or  
POL 203 (4)  
and  
SSI 301 (4)

**Electives from three of the four fields (36 cr. hrs.)**

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<tr>
<th>Field I</th>
<th>Field II</th>
<th>Field III</th>
<th>Field IV</th>
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<tbody>
<tr>
<td><strong>American</strong></td>
<td><strong>Public Administration &amp; State and Local Government</strong></td>
<td><strong>Political Theory and Philosophy</strong></td>
<td><strong>Comparative Politics &amp; International Relations</strong></td>
</tr>
<tr>
<td>POL 338 (4)</td>
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<td>POL 551 (4)</td>
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The following are to be used as elective hours only and may not be used to fill a field requirement:

<table>
<thead>
<tr>
<th>Field IV</th>
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<tbody>
<tr>
<td>POL 481 (1-8)</td>
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<tr>
<td>POL 491 (4)</td>
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<tr>
<td>POL 571 (4)</td>
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**Requirements for Pre-Law**

Pre-law (preparation for the successful study of law) is not a prescribed program of study. No specific college major is required for admission to law school. Those students intending to pursue the study of law must obtain a bachelor of arts in an area of his personal choice.

The American Association of Law Schools suggests that students preparing for law school must acquire basic skills in: (1) rapid reading and comprehension, and 2) the English language. Mastery of the English language, both written and oral, and ability to read
rapidly and comprehensively are positively essential for successful performance in the study of law. As there is no prescribed pre-legal program, any courses that help develop clear and systematic thinking, logic, command of the English language and a broad understanding of our society would constitute sound preparation. A good lawyer must have knowledge of an understanding of the economic, political, and social context within which legal problems arise.

Prior to admission to a law school, a student must take the Law School Admissions Test (LSAT). This test is given by the Educational Testing Service at Princeton, New Jersey.

The Law School Admission Test is given simultaneously several times each year at University of South Florida and numerous other testing centers throughout the state. Students should plan to take the test not later than February of the year in which they make application to a law school. Information pamphlets and application blanks for the test are obtainable from the Department of Political Science, University of South Florida.

Requirements for the M.A. Degree:

General requirements for graduate study are given on pages 43-44.

The student must complete a minimum of 45 credit hours of graduate level courses. At least 24 hours must be at the 600 level. The minimum of 30 credit hours must be taken in formal, regularly scheduled classes, 15 hours of which must be at the 600 level. Courses at the 500 level are acceptable for credit towards the master’s degree when taken as part of a planned degree program, approved by both the student's adviser and the Department of Political Science. The following courses are required of all graduate students in this program: POL 600 or POL 643 or both.

A minimum of 28 credit hours must be taken in political science: 8 credit hours of approved electives outside the Department, and 9 credit hours of thesis credits. A comprehensive written examination will follow the completion of the course work.

Students who do not have an undergraduate major in Political Science, or its equivalent, may be admitted to candidacy in the program upon consent of the Department. Such students may be required to take additional courses beyond the minimum requirements.

A minimum of one-half of the master’s degree program must be completed on campus. The student must be registered as a full-time graduate student for one quarter or two summer sessions.

More detailed instructions may be obtained from the Department of Political Science.

PSYCHOLOGY (PSY)

Requirements for the B.A. Degree:

Majors must complete at least 42 credit hours in the field. All majors must complete PSY 201 (5), SSI 301 (4), PSY 311-312 (4:1), and select four courses as follows: one of PSY 402 or 441 (4); one of PSY 403 or 404 (4); one of PSY 405 or 445 (4); and one of PSY 452 or 455 (4). In addition, 12 elective credits in psychology courses must be completed. PSY 411 (4) is strongly recommended for all majors and required of students planning graduate training. Functional mathematics and biological science are recommended. Otherwise, students majoring in psychology are encouraged to complete a varied undergraduate program.

Requirements for the M.A. Degree:

General requirements for graduate work are given on pages 43-44.

The student must complete 50 credit hours of graduate psychology courses. All students must take at least two of the three methods courses, PSY 631, 632, and 633. In addition, the student must complete a minimum of five of the following nine courses: PSY 609, 612, 614, 634, 635, 636, 638, 639, and 641. The selection of these courses will be made by mutual agreement of the student and his advisory committee. Students with prior work in these areas may waive any of these courses by successfully passing a special examination given by the Psychology Department. Successful waiver may be used to reduce the overall credit hours requirement, if approved by the Psychology Department. A research thesis, PSY 699, is required and the student must successfully pass an oral examination on the thesis as well as maintain a B average in course work, exclusive of thesis and research courses.

In addition to the M.A. degree in psychology, the Psychology department and the Department of Educational Psychology in the College of Education jointly grant the M.A. degree in School Psychology (PSE). (See College of Education, page 65.)

Requirements for the Ph.D. Degree:

The Ph.D. in Psychology is offered in the fields of Clinical, General Experimental, and Industrial-Organizational Psychology. Specific requirements are determined by the student and his supervisory committee.

Assuming that the student has completed an M.A. degree in Psychology or its equivalent, the Psychology Department requires the following in addition to the general University requirements for the Ph.D. degree, on page 45.

1. Reading knowledge of two foreign languages, or substitution for either or both languages by demonstrated competency in an area or areas approved by the Psychology Department. Two substitutive areas currently approved are computer usage skills and electronics skills.
2. Supervised undergraduate psychology teaching experience.
3. A one-year internship in an approved clinical facility for Ph.D. students in the Clinical Psychology program.
4. Six-months of internship in approved industries or community agencies for Ph.D. students in the Industrial-Organizational Psychology program.

REHABILITATION COUNSELING (REH/REF)

Requirements for the M.A. Degree:

General requirements for graduate work are given on pages 43-44.

The M.A. program in Rehabilitation Counseling
requires a minimum of 60 credit hours and offers the student the flexibility of entering while he is a University senior (REF) or after he has earned a baccalaureate degree (REH).

Minimum admission requirements for students electing the 5-year approach include completion of 135 quarter hours, a score of at least 1000 on the GRE or a B average on all work beyond 90 credit hours, and a personal interview. He must complete all General Distribution requirements and may not apply for a baccalaureate degree.

Minimum admission requirements for students entering the program as regular graduate students after they have earned a baccalaureate degree include a score of at least 1000 on the GRE or a B average during the last two years of college work, and a personal interview. The GRE must be taken by all students entering the program whether or not they meet the B average requirement.

Requirements for graduation for all students include a minimum of 60 credit hours in the post-baccalaureate program and a total of no less than 225 for those in the 5-year program. The following 47 hour core courses are involved both requiring a minimum of 60 credit hours or the minimum of 225 credit hours may be elected from other REH offerings or from related graduate programs, with the consent of the student's adviser. There are no language or thesis requirements; however, a comprehensive examination is required involving both written and practical work.

### SOCIOLOGY (SOC)

**Requirements for the B.A. Degree:**

The major consists of a minimum of 40 credit hours. The following courses may not be counted in the required minimum for the major but may be elected as additional courses: SOC 181, 251, 401, 481, 505. A model program of recommended sequences may be obtained from the Department of Sociology.

**Required Core Courses**

(16 cr. hrs.)

- SOC 201 (4)
- SOC 315 (4)
- SSI 301 (4)

**Additional Requirements**

(8 cr. hrs.)

One course of:

- SOC 331 (4)
- SOC 533 (4)
- SOC 535 (4)

**Requirements for the M.A. Degree:**

A minimum of 45 credit hours and a thesis.

**Required Courses**

(23 cr. hrs.)

- SOC 611 (4)
- SOC 621 (4)
- SOC 623 (5)

University requirements for graduate study are given on pages 43-44.

Admission to the M.A. Program: Satisfactory score on the Graduate Record Examination (Aptitude); two letters of reference from previous instructors; four courses in sociology, including statistics, theory, and methods of research (SSI 301, SOC 315, and SOC 321, or equivalent). Documents are sent to the Admissions Office. Instructions for applicants are available from the Department of Sociology.

### SPEECH PATHOLOGY AND AUDIOLOGY (AUD/AUF/SPP/SPF)

A Master of Science degree is offered through the Speech Pathology and Audiology program that is structured to meet the preparation requirements of the American Speech and Hearing Association for the Certificate of Clinical Competence. In addition to the core subject material, each student may elect to pursue a program of specialization in the areas of speech pathology, clinical audiology, or habilitative audiology.

Undergraduates students enroll in a five-year program terminating in the Master of Science degree in Speech Pathology or Audiology. Students may apply for acceptance into the M.S. degree program upon attaining Junior Class standing, completion of the SAI 300-level course sequence, and taking the Graduate Record Examination. Students may not apply for a baccalaureate degree. Programs are planned through the master's degree at the time of acceptance.

**Requirements for the M.S. Degree in Speech Pathology—Post-Baccalaureate (SPP):**

General requirements for graduate work are to be found in the section of this bulletin titled "Division of Graduate Studies." A minimum of 45 credits is required as well as completion of sufficient course work and practicum to meet the American Speech and Hearing Association's requirement for clinical certification in speech. The student with an existing bachelor's degree and appropriate prerequisites may plan his degree program from among the following courses:

- SAI 511 (6)
- SAI 513 (6)
- SAI 571 (6)
- SAI 572 (6)
- SAI 574 (6)
- SAI 576 (4)
- SAI 577 (4)
- SAI 578 (4)
- SAI 579 (4)
- SAI 580 (4)
- SAI 583 (4)
- SAI 598 (1-12)

**Requirements for the Combined Undergraduate/Graduate M.S. Degree in Speech Pathology (SPF):**

A minimum total of 225 credits is required for the combined undergraduate/graduate M.S. program. In addition to the General Distribution requirements the following courses will be required for all programs: