

USF Lakeland

UNIVERSITY OF SOUTH FLORIDA - 2007/2008 UNDERGRADUATE CATALOG

USF Lakeland is the western entry to the Florida High Tech Corridor

Located 30 miles east of Tampa and 40 miles west of Orlando, just 10 miles south of the intersection of I-4 and Polk Parkway, the University of South Florida Lakeland (USF Lakeland) anchors the western entry to the emerging Florida High Tech Corridor (FHTC). FHTC is attracting high tech industry in Information Technology, Medical Technologies, Microelectronics, Modeling, Simulation and Training, and Optics and Photonics. USF Lakeland, a leader in the field of Information Technology, brings to the FHTC and you, the benefits of business partnerships, internships, research, and leadership in economic and workforce development.

USF Lakeland offers upper division (junior and senior) undergraduate and Master's degree programs and post-baccalaureate certificate programs. With a focus on the needs of a 21st century workforce, USF Lakeland embraces opportunities to develop new academic and certificate programs responsive to the needs of the emerging Florida High Tech Corridor and area hospitals, businesses, and community agencies. Full and part-time students have opportunities for daytime, evening, and weekend classes delivered in on-campus, off-campus, and online learning environments.

Established in 1986, USF Lakeland serves more than 3,500 students annually. USF Lakeland is dedicated to Excellence, Innovation, and Collaboration. Our faculty are nationally recognized scholars and practitioners who provide an active, engaging, and learner-centered academic environment. Our programs integrate research, inquiry, new technologies, and interdisciplinary perspectives to advance knowledge, promote creative enterprise, and develop highly skilled and globally competitive graduates. Our partnerships with communities, community agencies, schools, businesses, and industry enhance the welfare, vitality, and quality of living in the region and state.

Education within your reach

USF Lakeland partners with local community colleges including Polk Community College (PCC), South Florida Community College (SFCC), Valencia Community College - Osceola (VCC-Osceola), and Hillsborough Community College - Plant City (HCC-Plant City) to provide a 2+2 educational opportunity allowing you to obtain your first two years (A.A. or A.S.) from the local community college and then complete your baccalaureate degree through USF Lakeland.

USF Lakeland also collaborates with school districts, businesses and industry, and community agencies to provide degree programs and post-baccalaureate certificates in on-site settings.

USF Lakeland is expanding its facilities. The PCC/USF Joint Use Facility will provide 125,000 square feet of state-of-the-art teaching, research, and service facilities. Nearly 50,000 square feet will be dedicated for use by USF Lakeland for high-tech classrooms, technology and research labs, faculty and staff offices, student services, and student study areas. The Joint Use Facility will open in spring 2007.

A Master Plan for a new primary campus site has been approved in concept, and \$3.7 million has been approved by Governor Bush and the Florida Legislature for planning and infrastructure on the site. The new USF Lakeland campus will be built at the junction of I-4 and the Polk Parkway and will have the potential at full build-out for providing services to 12,000 students on a 4-year and Master's degree campus.

List of Majors and Programs

Undergraduate Programs

A.S. to B.S.A.S. (Bachelor of Science in Applied Science)

- General Business
- Criminal Justice

- Early Childhood Development
- Industrial Operations
- Information Technology

Criminology (B.A.)
Elementary Education (B.S.)
General Business Administration (B.S.)
Industrial Engineering (B.S.I.E.)
Information Technology (B.S.I.T.)
Interdisciplinary Social Science (B.A.)
Psychology (B.A.)
Social Work (B.S.W.)
Special Education (B.S.)

Graduate Degrees

Adult Education with Criminology Electives (M.A.)
Counselor Education (M.A.)
Educational Leadership (M.Ed.)
Reading Education (M.A.)
Social Work (M.S.W.)

Undergraduate Academic Minor Leadership Studies

Florida Engineering Education Delivery System (FEEDS)

Online, videostream courses applicable to Master's degree programs in Engineering, Electrical Engineering, and Engineering Management

Certificate Programs

Information Technology Management (15 credit hours)
Information Technology Professional (30 credit hours)
Leadership Studies (9 credit hours)

Campus Characteristics

2005-2006 Enrollment (Unduplicated/Funding Campus)
2,900 students

Student-Faculty Ratio

16:1

Average Age

Undergraduate 27

Graduate 36

Full-Time vs. Part-Time

Undergraduate: 54% Full-time; 46% Part-time

Graduate: 47% Full-time; 53% Part-time

Geographic Diversity

Students come from Polk, Highlands, Hardee, Eastern Hillsborough counties and other surrounding counties within a 100 mile radius of USF Lakeland.

Points of Pride

- Faculty who are nationally recognized scholars and practitioners
- Programs that integrate research, inquiry, new technologies, and interdisciplinary perspectives
- Innovative A.S. to B.S.A.S. programs
- Department of Information Technology
- Community partnerships
- New PCC/USF Joint-Use Technology Center
- New I-4 and Polk Parkway campus plan
- Alfred Rath Senior Education Center

Bachelor of Science in Applied Science (APS)

Location/Phone: SVC 2002; (813) 974-4051
Office Hours: 8 a.m. – 5 p.m., Monday through Friday
Web Address: <http://www.ugs.usf.edu/bsas.htm>

Workforce projections for the 21st century indicate that there will be an ongoing need for people with specific skills and abilities to fill Florida's growing number of specialized, scientific, industrial and technological positions. Florida's two-year colleges offer many exceptional programs that meet these demands through their Associate in Science (A.S.) degrees. Although these applied and technical degrees provide excellent preparation for students seeking jobs that require specific knowledge, skill and ability, they have not generally transferred very efficiently into four-year Bachelor's degree programs. The Bachelor of Science in Applied Science (BSAS) has been developed by USF under certain provisions of Florida legislation to remove constraints from the transfer process, recognize past course work as transferable credit to the university, and afford exciting new opportunities for A.S. degree holders to pursue and acquire a distinctive USF Bachelor's degree.

The BSAS program is a "capstone" degree offering A.S. degree holders an efficient pathway to a Bachelor's degree. It provides Florida A.S. transfer students with a broad educational experience and a unique academic area of concentration. The various concentrations allow students to somewhat tailor their degree to match their academic interests and career ambitions. To achieve this end, BSAS students will plan their program in ongoing consultation with an academic advisor who will help students design their individualized program of study.

Requirements for the Major in Bachelor of Science in Applied Science

Recommended Prerequisites (State Mandated Common Prerequisites)

This degree program is available ONLY to Associate in Science (A.S.) graduates from a Florida public community/junior college.

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

Students wishing to transfer to USF must complete the A.S. degree with an overall "C" average in all college-level courses accepted for transfer credit to USF. Students are encouraged to complete at least 18 credit hours of the General Education Requirements as part of their A.S. degree, and it is highly recommended that students select Gordon Rule communication and computation courses to fulfill these requirements while at the community college.

The A.S. degree will transfer as a complete "60 credit hour package" to USF (applicable only to the BSAS program). Technical coursework will transfer as a 42 credit hour technical block. The remaining 18 credit hours of General Education coursework from the A.S. will be matched against USF requirements to determine which courses remain outstanding for fulfillment of the university's 36 credit hour General Education Requirement.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Community College Block Credit (Transferred from A.S.)	42
Community College General Education (Transferred from A.S.)	18
USF General Education	18
USF Exit Courses	9
USF Area of Concentration*	18
USF Electives**	15
Total BSAS Credit Hours	120

*Note that all BSAS Areas of Concentration are at least 18 credit hours (some require 21 credit hours).

** Elective credit hours may vary slightly, but will not require students to exceed a total of 120 credit hours for completion of the BSAS degree.

Within the 60 credit hours of USF/upper-level coursework beyond the A.S., BSAS students will complete:

- a minimum of 48 credit hours of upper-level (3000-4999) courses
- at least 30 hours of the last 60 credit hours at USF
- CLAST requirements
- foreign language requirement (can be satisfied by two years of high school foreign language credit or 8 college credit hours in a single foreign language)

Requirements for Areas of Concentration

BSAS – Criminal Justice Concentration (ACJ) consists of 18 credit hours:

Only available at Lakeland or Sarasota campus

CCJ 3024	Survey of Criminal Justice	(3)
CCJ 3610	Theories of Criminal Behavior	(3)
CJL 3110	Substantive Criminal Law	(3)
CJC 4010	American Correctional Systems	(3)
CCJ 4934	Seminar in Criminology	(3)
CJE 4144	American Law Enforcement	(3)

BSAS - General Business Concentration (ABU) consists of 18 credit hours:

ACG 3074	Managerial Accounting for Non-Business Majors	(3)
ECO 1000	Basic Economics	(3)
FIN 3403	Principles of Finance	(3)
MAN 3025	Principles of Management	(3)
MAN 4802	Entrepreneurship & Small Business Management	(3)
OR		
GEB 4890	Strategic Management & Decision Making	(3)
MAR 3023	Basic Marketing	(3)

BSAS – Early Child Development Concentration (AEC) consists of 18 credit hours:

Only available at Lakeland or Sarasota campus

EDF 4111	Child Growth & Learning	(3)
EDG 4909	Young Children w/ Special Needs	(3)
HSC 3301	Health, Safety, Nutrition & Motor Skills	(3)
EEC 4303	Creative & Affective Experiences	(3)
EEC 4408	Child, Family & Teacher Relations	(3)
PAD 4419	Personnel & Supervision	(3)

BSAS – Industrial Operations Concentration (AIO) consists of 18 credit hours:

Only available through Lakeland campus

PREREQUISITES - 9 HOURS:

MAC 1105	College Algebra	(3)
STA 2023	Introductory Statistics	(3)
COP 2510	Programming Concepts	(3)

REQUIRED COURSES:

ETG 3612	Operations Management	(3)
ETG 4931	Special Topics in Technology I*	(1-5)
ACG 3074	Accounting for Non-Business Majors	(3)
OR		
EIN 4352	Engineering Cost Analysis	(3)
EIN 3241	Work Design and Ergonomics I	(3)
EIN 4242	Work Design and Ergonomics II	(3)
ETI 4116	Industrial Quality Control	(3)

*Please see academic advisor for required special topics course.

BSAS - Information Technology (ATC) consists of 18 credit hours:

Only available through Lakeland or Sarasota campus

PAD 3003	Introduction to Public Administration	(3)
COP 2510	Programming Concepts	(3)
CGS 3303	IT Concepts	(3)
CEN 3722	Human Computer Interface	(3)
CTS 3823	IT Web Design	(3)
CTS 3845	Electronic Commerce	(3)
CIS 4412	IT Resource Management	(3)

• CRIMINOLOGY (CCJ)

The major in Criminology provides students with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections, juvenile justice and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The program provides a solid background in the theory, issues and methodology comprising Criminology.

The objective of the undergraduate program in Criminology is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system.

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

Requirements for the Major in Criminology

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

- Each of the following core courses:

CCJ 3024 (3)*	CCJ 3610 (3)*
CCJ 3701 (3)**	CCJ 4934 (3)
- 24 semester hours of electives within the major.

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

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

NOTE: No more than six (6) hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major. A student may take an unlimited amount of CCJ 4933 or 4934 as long as they vary in topics.

These residency requirements are designed to ensure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.

Any student who receives a grade of "D" or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

Requirements for the Minor in Criminology

A minimum of 18 hours is required of all Undergraduate minors in Criminology including:

- The following two required courses:

CCJ 3024 (3)	CCJ 3610 (3)
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- An additional 12 semester hours of electives within Criminology.

Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Students minoring in Criminology are subject to the Department's "2 D" Rule.

• ELEMENTARY EDUCATION

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

Prerequisites (State Mandated Common Prerequisites):

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

- EDF X005 Introduction to Education (3)
- EDG X701* Teaching Diverse Populations (3)
- EME X040 Introduction to Educational Technology (3)

*In addition to EDG X701, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.

Completion of General Education requirements: General education courses will be determined by the community college or university where the student currently is earning the Associate in Arts or baccalaureate degree, and will be published in the institution's existing catalog or in the Community College Counseling Manual. (For USF, see "Academic Policies and Procedures - Liberal Arts Requirements" section of the catalog.)

Students are advised that the Elementary Education specialization will require an enrollment of more than the traditional four semesters of the junior and senior years in order to complete the program specialization courses and the required sequence of internship.

The order in which these courses are to be taken is designated in the program of study.

Professional Education (32-33 credit hours):

EDF 3122	Learning and the Developing Child	3
EDF 3604	Social Foundations of Education (Exit)	3
EDF 4430	Measurement for Teachers	3
EEX 4070	Integrating Exceptional Students in the Regular Classroom	2-3
FLE 4362	Curriculum and Pedagogy of ESOL	3
FLE 4363	Literacy Development in English Language Learners	3
FLE 4364	Applying Linguistics to ESOL Teaching and Testing	3
EDE 4940	Internship	10-12

Specialization (41 credit hours):

EDE 4301	Classroom Management, School Safety, Ethics, Law, and Elementary Methods	3
EDE 4941	Childhood Education Internship Level I	3

HLP 4722	Health and Physical Education for the Child	2
EDE 4942	Childhood Education Internship Level II	6
LAE 4314	Teaching Writing in the Elementary School	3
LAE 4414	Teaching Literature in the Elementary Schools (Exit)	3
MAE 4310	Teaching Elementary School Mathematics I	3
MAE 4326	Teaching Elementary School Mathematics II	3
RED 4310	Reading and Learning to Read	3
RED 4511	Linking Literacy Assessment to Instruction	3
SCE 4310	Teaching Elementary School Science	3
SSE 4313	Teaching Elementary School Social Studies	3
EDE 4223	Creative Experiences for the Child	3

• GENERAL BUSINESS (GBA)

The General Business major provides students with substantial preparation in two functional areas of business and prepares them for positions in a business world that is increasingly interdisciplinary and values cross-functional abilities.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hours program as listed in the General Requirement section, students must complete two minors from the following business disciplines: accounting, economics, finance, management, management information systems, or marketing. A minimum of 24 hours of upper-level course work must be earned with a GPA of at least 2.0 in each minor. The requirements for each minor are listed with the description of the major.* Minors applied to the General Business major will be referred to as concentrations. Concentrations used as part of the General Business Major will not also be subsequently listed as independent minors on the transcript.

***One exception:** A minor/concentration in economics must consist of four upper level economics courses, excluding QMB 3200.

Please note: Courses used to satisfy a major in accounting, economics, finance, information systems management or marketing may not be used to satisfy either minor or economics concentration requirement for the GBA major.

Requirements for a Minor in Business Administration (Non-Business Majors Only): Students are required to process an application for the minor in the College of Business. Students must complete an introductory computer course (with a content similar to CGS 2100 Computers in Business) or obtain a waiver for this requirement from the College of Business Administration by demonstrating competence in the use of computers.

- The course requirements are as follows:

ACG 3074	Managerial Accounting for Non-Business Majors*	3
ECO 1000	Basic Economics**	3
FIN 3403	Principles of Finance	3
MAN 3025	Principles of Management	3
MKT 3023	Basic Marketing	3
MAN 4802	Entrepreneurship & Small Business Management	3
Total		18
- A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.
- At least 12 hours of the required 18 credit hours must be taken in residence at USF.

*ACG 2021 & ACG 2071 can be substituted for ACG 3074.

**ECO 2013 & ECO 2023 can be substituted for ECO 1000.

Four-Year Curriculum in Industrial and Management Systems Engineering

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

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

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

Students qualify for direct entry to the department if they have completed the following courses at a Community College or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

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

Communications:

ENC 1101/1102 English I and II (6)

Humanities & Social Sciences:

Humanities Courses (6)

Social Science Courses (6)

Humanities or Social Sciences (3)

Mathematics:

USF

MAC 2281

MAC 2282

MAC 2283

MAP 2302

*or MAC 2281, MAC 2282, MAC 2283

Natural Sciences:

USF

CHM 2045

CHM 2045L

PHY 2048

PHY 2048L

PHY 2049

PHY 2049L

*or CHS 1440 Chemistry for Engineers

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

C/C

MAC 2311* (4)

MAC 2312* (4)

MAC 2313* (4)

MAP 2302 (3)

C/C

CHM 1045* (3)

CHM 1045L* (1)

PHY 2048 (3)

PHY 2048L (1)

PHY 2049 (3)

PHY 2049L (1)

Industrial Engineering Admissions Requirements

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

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

The schedule that follows indicates how a diligent student who can devote full time to coursework can satisfy requirements in four academic years. Students without a solid foundation or those who cannot devote full time to academics should plan a slower pace. The following sequence is intended to facilitate registration planning and is subject to change based upon course availability. The sequence may also vary based upon individual considerations. Registration assistance will be provided by academic advisors.

Semester I		
CHM 2045	Chemistry I	3
CHM 2045L	Chemistry I Lab	1
EGN 3000	Foundations of Engineering	1
ENC 1101	Composition I	3
MAC 2281	Engineering Calculus I	4
Social Science Elective		3
Total		15
Semester II		
CHM 2046	Chemistry II	3
Historical Perspectives Elective		3
ENC 1102	Composition II	3
MAC 2282	Engineering Calculus II	4
PHY 2048	Physics I	3
PHY 2048L	Physics I Lab	1
Total		17
Semester III		
EGN 3443	Engineering Statistics	3
MAC 2283	Engineering Calculus III	4
PHY 2049	Physics II	3
PHY 2049L	Physics II Lab	1
Historical Perspectives Elective		3
Total		14
Semester IV		
EGN 3311	Statics	3
COP 2510	Programming Concepts	3
EGN 4450	Linear Systems	2
EGN 3433	Modeling & Analysis of Engineering Systems	
or		
MAP 2302	Differential Equations	3
Fine Arts Elective		3
Total		14
Summer Term		
EGS 1113	Engineering Graphics	3
EGN 3615	Engineering Economy with Social and Global Implications (SS)	3
ALAMEA Elective		3
Total		9
Semester V		
EGN 3365	Materials Engineering I	3
EGN 3373	Introduction to Electrical Systems I	3
EIN 4312C	Work Analysis	3
EIN 4621	Manufacturing Processes	3
ESI 4312	Deterministic OR	3
Total		15
Semester VI		
EGN 3343	Thermodynamics	3
EIN 4333	Production Control	3
ESI 4221	Industrial Statistics/Quality Control	3
ESI 4313	Probabilistic OR	3
Tech Elective Engineering Science		3
Total		15
Semester VII		
EIN 4364C	Facilities Design	3
EIN 4352	Engineering Cost Analysis	3
ESI 4244	Design of Experiments	3
ESI 4523	Industrial Systems Simulation	3
Tech Elective Industrial Engineering		2
Total		14
Semester VIII		
EIN 4243C	Human Factors (6A)	3
EIN 4891	Capstone Design (MW/MI)	3
EIN 4601	Automation/Robotics	3

ENC 3246	Communication for Engineers (6A L&W)	3
Tech Elective Industrial Engineering		3
Total		15

Gordon Rule (6A) is fully met through the mathematics courses above, ENC 1101, ENC 1102, ENC 3246 and EIN 4313 or by completing an AA degree at a Florida Community College. Exit Requirements in Major Works/Major Issues (MW/MI) and Literature and Writing (L&W) are fully met through ENC 3246 and EIN 4365.

Bachelor of Science in Information Technology

The Mission of the Information Technology Program is to provide high quality educational opportunities for students interested in pursuing careers in the broad range of fields that support our computer/information-based society and economy. Additionally to utilize the resources of the program to provide service to society; and to emphasize to students the need for lifelong learning, ethical conduct and an understanding of the diverse social context in which Information Technology is practiced. The program is offered through the Lakeland Campus.

Specifically the program aspires to:

1. Lead to the advancement of Information Technology through nationally recognized education at the undergraduate level, as well as technology transfer to regional industries and businesses;
2. Prepare students for full and ethical participation in a diverse society and encourage lifelong learning;
3. Educate undergraduates in the best practices of the field as well as integrate the latest research and practices into the curriculum;
4. Emphasize the development of problem solving and communication skills as an integral component of the educational process and the later practice of the discipline;
5. Provide quality learning experiences through highly interactive techniques of course delivery that will include the use of electronic support equipment as well as newly developing distance learning technologies.

Objectives

The Information Technology program graduates will:

1. Have the requisite education and skills to be immediately employable as professionals in our computer/information-based society
2. Be prepared to enter into graduate studies in a number of related graduate programs
3. Be ethical and responsible members of their profession and society as a whole
4. Be well founded in the variety of sub-disciplines that comprise Information Technology which include basic principles of computation, mathematics, science and engineering.

The Information Technology (IT) program is designed to bridge the gap between computer science and management information systems. The emphasis of the program is on knowledge-based computer and information technology, traditional computer science concepts, as well as more practical topics including programming, applications, and networking, systems administration and the management of a variety of computing environments (in an era of rapidly changing technology). IT students will take coursework in computer organization, human-computer interface, data structures, operating systems, networking, databases, and software engineering. Electives can include such application areas as: advanced database, advanced networking, web page design and administration, and e-commerce as well as a variety of other related areas. Through a broad based set of electives, IT students will be able to tailor their program to satisfy individual preferences and strengths.

Students completing the IT program will qualify for a broad range of positions in computer-intensive businesses and industry such as: programmer analyst, systems analyst, database

administrator, network administrator, computer resource manager, systems development manager, and information technology management, to name a few.

In addition to the University's graduation requirements, the program has the following policies:

1. Mandatory academic advising of each student each term,
2. Exit interviews as a graduation requirement for all students, and
3. Only grades of C and above in IT courses can be used to fulfill graduation requirements.

Four-Year Curriculum in Information Technology

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

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

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

PSY XXXX	Any Psychology Course
STA X023	Statistics
ECO X013	Economics (Macroeconomics)
CGS XXXX	Any Database Course
COP 2XXX	Any Computer Programming Course
COP 2XXX	Any Object-Oriented Computer Programming Course
MAC XXXX	Pre-Calculus Course
PHY XXXX	Any Physics Course
M** XXXX	Discrete Mathematics Course

Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

The schedule that follows indicates how a diligent student, who can devote full time to coursework, can satisfy requirements in four academic years. Students without a solid foundation, or those who cannot devote full time to academics, should plan for a slower pace.

Semester I

CGS 2100	Computers in Bus.	3
ENC 1101	Composition I	3
MAC 1140	Precalculus Algebra	3
Gen. Ed.		6
Total		15

Semester II

COP 2510	Programming Concepts	3
ENC 1102	Composition II	3
MAD 3100	Discrete Math	3
ECO 2013	Economic Principles (Macro.)	3
PSY 2012	Psychological Science I	3
Total		15

Semester II

Natural Science		3
COP XXXX	OO Programming (e.g., C++)	3
Electives		9
Total		15

Semester IV

STA 2023	Introductory Statistics I	3
PHY 2020	Conceptual Physics	3
Fine Arts		3
Electives		6
Total		15

Semester V

COP 3515	Program Design for Information Technology	3
ENC 3246	Communication for Engineers	3
INR 3033	International Political Cultures	3
CGS 3303	IT Concepts	3
CEN 3722	Human Computer Interfaces for IT	3
Total		15

Semester VI

CDA 3101	Computer Organization for Information Technology	3
EEL 4782	Computer Information Networks for IT	3
EEL 4782L	Information Networks Lab for IT	1
EEL 4854	Data Structures and Algorithms for IT	3
ENC 4260	Advanced Technical Writing	3
IT Approved Electives		3
Total		16

Semester VII

CIS 4703	Database Systems for IT	3
CEN 4031	Software Engineering Concepts for IT	3
COP 4610	Operating Systems for IT	3
COP 4610L	Operating Systems Lab for IT	1
IT Approved Electives		6
Total		16

Semester VIII

COP 4930	Information Technology Seminar	1
CIS 4935	Senior Project in IT	3
CIS 4253	Ethical Issues for Information Technology	3
IT Approved Electives		6
Total		13

INFORMATION TECHNOLOGY (IT) MINOR PROGRAMS

There are two IT Minor options available.

The **IT General Minor** (15 semester hours) is aimed at providing a good understanding of the concepts underlying Information Technology while enabling the student to choose four elective topics in which to specialize. These elective encompass a wide spectrum of topics such as programming, networking and web design, Human Computer Interface and Security Management. The outcome of this program is to build a solid culture of IT technologies and disciplines from scratch.

The **IT Technical Minor** (24 semester hours) enforces basic scientific pre-requisites and requires interested students to attend three core IT courses meant to provide them with the conceptual and technical basis necessary to successfully dwell in more advanced topics. The elective part of the IT Technical Minor is composed of two electives to be chosen from a larger set of courses including Data Base Systems and Operating System. Successful students are expected to develop a conceptual understanding of the IT field while developing programming skills they may apply to strengthen their major.

IT GENERAL MINOR

Required Course:

CGS 3303	IT Concepts	3
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Electives (choose four from list):

CDA 3101	Computer Organization for IT	3
CEN 3722	Human Computer Interfaces for IT	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
COP 3515	Program Design for IT	3
EEL 4782	Computer Information Networks for IT	3
EEL 4782L	Information Networks for IT	1
EEL 4854	Data Structures and Algorithms for IT	3
ETG 4931	Special Topics in Technology I	1-5
ETG 4932	Special Topics in Technology II	1-5

IT TECHNICAL MINOR

Prerequisite Courses:

COP 2510	Programming Concepts	3
COT 3100	Introduction to Discrete Structures	3
PHY XXXX	Physics	3

Required Courses:

CGS 3303	IT Concepts	3
COP 3515	Program Design for IT	3
EEL 4854	Data Structures and Algorithms for IT	3

Electives (choose four from list):

CDA 3101	Computer Organization for IT	3
CEN 3722	Human Computer Interfaces for IT	3
CEN 4031	Software Engineering Concepts for IT	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
COP 4610	Operating Systems for IT	3
COP 4610L	Operating Systems Lab for IT	1
COP 4703	Database Systems for IT	3
EEL 4782	Computer Information Networks for IT	3
EEL 4782L	Information Networks for IT	1
ETG 4931	Special Topics in Technology I	1-5
ETG 4932	Special Topics in Technology II	1-5

POST-BACCALAUREATE CERTIFICATE PROGRAMS IN INFORMATION TECHNOLOGY (IT)

There are two Post-Baccalaureate Information Technology (IT) Certificates available. Both Certificates are designed for students who hold bachelor's degrees in fields other than IT, but do not seek either a master's degree or a complete undergraduate degree in IT.

The **IT Management Certificate** (15 semester hours) is designed to provide the student an application-oriented managerial background in IT. The typical student pursuing this certificate is not looking to change careers, but rather looking to enhance their technical abilities in their existing job. A four year Bachelor's degree plus some prerequisites are required to enter the IT Management Certificate Program.

The **IT Professional Certificate** (30 semester hours) is designed to help students change careers, i.e. begin a new career as an IT Professional. All classes (15 hours) taken in the IT Management Certificate directly apply toward the IT Professional Certificate. Therefore, each student having completed the IT Management Certificate, will only need 15 additional hours to complete the IT Professional Certificate. However, certain additional prerequisites may be required of the student prior to taking the advanced technically oriented classes contained in the IT Professional Certificate.

Students wanting to enter one of the IT Certificate programs, need to fill out an application to apply and have an official transcript sent from the College or University where they completed their undergraduate degree. The transcript is used to first verify that the student completed their undergraduate degree and second to identify if any additional prerequisite classes that may be required.

IT MANAGEMENT CERTIFICATE

The prerequisites to enter the IT Management Certificate program is a four year undergraduate degree plus the following:

1. MACxxxx Pre-Calculus
3 hrs.
2. STA2023 Intro. To Statistics 3 hrs.
3. Any Basic Computer Skills Course 3 hrs.
(Word Processing, Spreadsheets, Windows, etc.)

NOTE: The course numbers may be different depending on the university. IT advisors will make the determination whether or not the student has satisfied these requirements based on supportive material (such as catalog descriptions, official letters, etc.) supplied by the student.

After admission to the IT Management Certificate program, the student must complete 15 hours selected from the following:

CEN 3722	Human Computer Interfaces for IT	3
CGS 3823	IT Web Design	3
CGS 3845	Electronic Commerce	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
CIS 4935	Senior Project in Information Technology	3
COP 4930	Information Technology Seminar	1-3
ENC 4260	Advanced Technical Writing	3
ETG 4931	Special Topics in Technology I	1-5
ETG 4932	Special Topics in Technology II	1-5
	IT Current Topics	3
	IT Approved Elective	3

IT PROFESSIONAL CERTIFICATE

The prerequisites to enter the IT Professional Certificate program is a four year undergraduate degree plus the following:

1. STA 2023 Intro. To Statistics 3 hrs.
2. CGS xxxx Any Data Base 3 hrs.
3. COP 2xxx Computer Programming 3 hrs.
4. COP 2xxx OO Programming 3 hrs.
5. MAC xxxx Pre-Calculus 3 hrs.
6. xxxx Discrete Mathematics 3 hrs.

NOTE: The course numbers may be different depending on the university. IT advisors will make the determination whether or not the student has satisfied these requirements based on supportive material (such as catalog descriptions, official letters, etc.) supplied by the student.

After admission to the IT Professional Certificate program, the student must complete the following 30 hour program:

Required courses for the IT Professional Certificate (12 credit hours):

CDA 3101	Computer Organization for IT	3
COP 3515	IT Program Design	3
COP 4610	Operating Systems for IT	3
COP 4610L	Operating Systems Laboratory for IT	1
EEL 4854	Data Structures and Algorithms for IT	3

Electives (18 credit hours):

CEN 3722	Human Computer Interfaces for IT	3
CEN 4031	Software Engineering Concepts for IT	3
CGS 3823	IT Web Design	3
CGS 3845	Electronic Commerce	3
CIS 4361	IT Security Management	3
CIS 4412	IT Resource Management	3
CIS 4703	Database Systems for IT	3
CIS 4935	Senior Project in IT	3-5
COP 4930	IT Seminar	1-3
EEL 4782	Computer Information Networks for IT	3
EEL 4782L	Information Networks Laboratory for IT	1
ENC 4260	Advanced Technical Writing	3
ETG 4931	Special Topics in Technology I	1-5
	IT Current Topics	3
	IT Approved Elective	3

Total 30

Information Technology Faculty

Chair (Interim): W. D. Armitage; *Faculty:* P. Bao, A. Ejnoui, F. Fleschute, A. Gaspar, B. Harding, R. Hawat, S. Lodwig, R. Walsh, J. Wiginton.

• INTERDISCIPLINARY SOCIAL SCIENCES (ISS)

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

Specific requirements for a B.A. degree in Interdisciplinary Social Sciences (ISS) are outlined below:

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

There are no State Mandated Common Prerequisites for the ISS degree program.

Some of the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses, could count toward the ISS degree. A grade of "C" is the minimum acceptable grade.

AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora]	(3)
AMH 2010 American History I	(3)
or	
AMH 2020 American History II	(3)
ANT 2000 Introduction to Anthropology	(3)
ECO 2013 Economic Principles (Macroeconomics)	(3)
ECO 2023 Economic Principles (Microeconomics)	(3)
GEA 2000 World Regional Geography	(4)
POS 2041 American National Government	(3)
or	
POS 2112 State and Local Government	(3)
SYG 2000 Introduction to Sociology	(3)
WST X015 Introduction to Women's Studies	(3)

Interdisciplinary Core Courses

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human life and experience; the various concepts, theories and methods used in the social sciences; and apply them to contemporary issues and questions. Social Science Statistics (STA 2122) is the third core course required for majors in Interdisciplinary Social Sciences.

Coursework required for Interdisciplinary Social Sciences Majors

- Required core courses for the major are:

ISS 3010 Introduction to Social Sciences	(3)
ISS 4935 Seminar in the Social Sciences - <i>MW</i>	(3)
STA 2122 Social Sciences Statistics - <i>6A QM</i>	(3)
- The ISS student chooses between two cognate areas and completes twelve hours in each. In addition, three special electives emphasize cultural diversity.
- Students should work out a program of study at the onset of their junior year, particularly before too many courses are completed in the College of Arts and Sciences. **No student should assume that courses already completed will automatically count toward the ISS degree.**
- The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.
- Students must maintain a minimum grade point average of 2.0 in ISS to graduate.
- ISS majors must satisfy two semesters of a foreign language in order to graduate.
- Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.2, developed with the approval of the advisor. This course of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

No transfer courses with grades of "D" are acceptable for credit in the ISS major.

COGNATE AREAS - Students select two areas and take 12 hours in each. Cognates must be selected from the areas of study listed below:

Africana Studies, American Studies, Anthropology, Communication Sciences and Disorders, Criminology, Economics, Environmental Science and Policy, Gerontology, Geography, History, Humanities, International Studies, Interpreter Training, Latin American Studies, Library and Information Science, Multidisciplinary Behavioral Healthcare, Political Science, Psychology, Public Administration, Religious Studies, Social Work, Sociology, and Woman's Studies.

• PSYCHOLOGY (PSY)

Psychology involves the scientific study of behavior and mental processes. Because of this focus, psychology is relevant to many other areas of study both inside and outside of the social and behavioral sciences. The undergraduate program in Psychology offers the student a well-rounded liberal arts education. In addition, the program provides excellent training for qualified students who wish to pursue graduate work in such disciplines as Clinical, Cognitive and Neural Sciences or Industrial Psychology, Education, Gerontology, Counseling, Management, Medicine, Law, and other human service programs. The undergraduate major emphasizes the breadth of psychology while allowing the student some electives to pursue in depth a particular aspect of the field. Interested undergraduate majors may apply for admission to the Honors Program. The graduate faculty of the Psychology Department are divided into three broad program areas: Clinical, Cognitive and Neural Sciences, and Industrial/Organizational. Each of these program areas offers Ph.D.-level training as well as instruction at the undergraduate level.

Requirements for the Major in Psychology Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

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

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

To be admitted to the major in Psychology, a student must complete all of the course prerequisites including

- PSY 2012 Psychological Science I or equivalent
- Statistics (PSY 3204, Psychological Statistics is preferred) with grades of C (not C-) or higher

Continuation in the major requires successful completion of those two courses plus PSY 3213, Research Methods in Psychology, with at least a grade of C (not C-) and have a grade point average for those three courses of 2.5 or higher.

Majors must complete at least 34 semester hours in the field. A minimum grade of "C-" or better must be attained in each course in the major, except for PSY 3204 (or other qualifying statistics course) and PSY 3213, where a C or better is required.

Although a C- is allowable for individual courses, a major GPA of 2.0 minimum is required for graduation. All majors must complete:

Requirements for Psychology Majors

- 2000/3000 Level Requirement (6 semester hours)
 - PSY 2012 Introduction to Psychological Science (if not already taken at a community college)
 - PSY 3204 Psychological Statistics
- Methods Course Requirement (7 semester hours)
 - PSY 3213 Research Methods in Psychology and one of the following:
 - CLP 4433 Tests and Measures
 - PSY 4205 Experimental Design and Analysis or another methods course approved by the undergraduate advisor in Psychology.
- 4000 Level Requirement (21 semester hours)

Courses in categories 1 and 2 must be completed before any 4000 level courses are attempted. Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:

Group I

- EXP 4204C Perception
- EXP 4404 Psychology of Learning
- PSB 4004C Physiological Psychology
- EXP 4304 Motivation
- EXP 4680C Cognitive Psychology

Group II

- CLP 4143 Abnormal Psychology
- INP 4004 Industrial Psychology
- SOP 4004 Social Psychology
- DEP 4053 Developmental Psychology
- PPE 4003 Personality

and any 3 additional courses numbered at the upper-level.

Note: No more than a total of 3 hours of the following courses may count toward the major:

- PSY 4913 Directed Study
- PSY 4970 Honors Thesis.

PSY 4932 may not count toward the major.

Statistics and Biological Science are required. Otherwise, students majoring in psychology are encouraged to complete a varied undergraduate program.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3204 (or other qualifying statistics course) and PSY 3213, not "C-". For students minoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for PSY 3213.

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

Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, and any four upper-level psychology courses except PSY 4913. Students minoring in Psychology must also obtain a "C" or better in any college level statistics course in lieu of PSY 3213, or must complete PSY 3213 with a "C" or better. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major. See the Psychology Department Undergraduate Advisor for suggested minor programs for students majoring in various fields.

• SOCIAL WORK (SOK)

The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has

been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist.

The secondary objectives of the B.S.W. program are to

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

In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of various methods of intervention and skills in their application to a variety of client systems. For example, interventive methods may take the form of individual and group counseling, resource development, consultation, teaching, advocacy, etc. Client systems may be individuals, families, groups, organizations, or communities. The student will develop an understanding of the dynamics of human behavior in individual, group and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and the social, economic, and political processes affecting policy development and program implementation. The student will develop an understanding of the utilization of basic social research skills particularly related to the processes of problem-solving, planning, and evaluation.

The student will also become aware of the value base of the profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one's obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Students may apply for admission to the School for the B.S.W. program during enrollment in either SOW 3203 or SOW 3210.

However, the completion of the prerequisites does not guarantee the student's admission to the program. Limited state funding places constraints on the size of the social work faculty and in order to maintain a high quality of instruction, it is necessary to achieve an appropriate faculty-student ratio. This means that it may be necessary to deny full admission to the B.S.W. program solely on the basis of no available space. Any student applying for full admission to the program should be aware of this possibility.

A student must maintain a GPA of 2.75 minimum in social work courses while enrolled in the program and demonstrate behaviors that are congruent with professional standards and values as described above in order to proceed in the major. Any student who fails to maintain at least a 2.75 GPA in the social work major and/or demonstrates behaviors that are incongruent with the standards and values of the profession may not proceed in the major.

A social work major receiving a grade of less than "C" in a core course will be required to repeat the course. A grade of "C-" is not considered acceptable and a student receiving a "C-" in a core course must repeat the course. Furthermore, no student will be allowed to enter field placement with a "C-" grade or below in any SOW core courses, even if the student's GPA is 2.75 or above with the inclusion of the a "C-" grade of below.

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

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

1. A student must have completed a minimum of one semester as a provisional social work major.
2. A student must have completed required common prerequisites and provisional courses (see listing).
3. A student must complete an application for full admission and file it with the School of Social Work before the beginning of the semester in which admission is sought; dates will be announced in provisional courses.
4. A student may be asked to complete an admission interview with a favorable action from the Undergraduate Committee.
5. A student must achieve a grade of "B" or better in SOW 3203, "Introduction to Social Work" and SOW 3210, "The American Social Welfare System," to be considered for full admission. A grade of "B-" is not acceptable in either "Introduction to Social Work" or "American Social Welfare."
6. A student must have successfully completed CLAST. A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

Requirements for the Major in Social Work Prerequisites (State Mandated Common Prerequisites)

Social Work is a limited access program. Students wishing to transfer to USF may complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

If possible, students enrolled in community colleges should take their college equivalents of common prerequisite courses (P) and cross-cultural provisional course (P*) before entering USF. All courses must be passed with a "C" or better. A grade of "C-" is not acceptable as a passing grade in any of the common prerequisite courses or the cross-cultural course.

SOW 3203 Introduction to Social Work and SOW 3210 American Social Welfare must be taken at USF or another accredited institution and must be completed, earning a grade of "B" or better. A grade of "B-" is not acceptable as a passing grade for either course.

State Mandated Common Prerequisite Courses (P)

A student must successfully complete the following courses, by earning a "C" or better. A grade of "C-" is not acceptable as a passing grade.

One course in each of the following cognate areas
 XXX XXXX American Government (American National Government or American Government) (3)

- XXX XXXX Biology (Human Biology or Anatomy & Physiology) (3)
- ECO XXXX Economics (Microeconomics or Macroeconomics) (3)
- XXX XXXX Introductory Psychology (3)
- XXX XXXX Introductory Sociology/Social Problems (3)

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

- American Government*
 POS 2041 American National Government (3)
 POS 2112 State and Local Government and Politics (3)
 POS 3182 Florida Politics and Government (3)
- Biology*
 BSC 1005 Principles of Biology for Non-majors (3)
 BSC 2022 Biology of Aging (3)
 BSC 2025 Food: Personal & Global Perspectives (3)
 BSC 2035 Sex and Today's World (3)
 WST 2600 Human Sexual Behavior (3)
- Economics:*
 ECO 1000 Basic Economics (3)
- Psychology:*
 PSY 2012 Psychological Science I(3)
- Sociology:*
 SYG 2000 Introduction to Sociology (3)
 SYG 2010 Contemporary Social Problems (3)
 SYD 4800 Gender and Society (3)
 SYO 3530 Poverty, Inequality, and Stratification (3)
 SYP 3000 Social Psychology (3)
 SYP 4510 Sociological Aspects of Deviance (3)

Foundation Courses (F*) for Social Work Majors (May be completed after transferring to USF).

1. A student must successfully complete by earning a "C" or better **one** of the following cross cultural courses or equivalency. A grade of "C-" is not acceptable as a passing grade for any of the following courses.

- African American Studies:*
 AFA 2000 Introduction to the Black Experience [In Africa and Its Diaspora] (3)
 AFA 4333 African Diaspora: Blacks in the Construction of the Americas (3)
 AFA 4335 Black Women in America (3)
 AFS 2250 Culture and Society in Africa (3)
 AMS 3700 Racism in American Society (3)
- Anthropology:*
 ANT 2000 Introduction to Anthropology (3)
 ANT 2410 Cultural Anthropology (3)
 ANT 3005 The Anthropological Perspective (3)
 ANT 4316 Ethnic Diversity in the USA (3)
 ANT 4432 The Individual and Culture (3)
- Sociology:*
 SYD 3700 Racial and Ethnic Relations (3)
- Women's Studies:*
 AMH 3561 American Women I (4)
 AMH 3562 American Women II (4)
 LIT 3383 The Image of Women in Literature (3)
 PUP 4323 Women and Politics (3)
 SOP 3742 Psychology of Women (3)
 WST 3015 Introduction to Women's Studies (3)
 WST 3311 Issues in Feminism (3)
 WST 4262 Literature by American Women of Color (3)
 WST 4410 Third World Women Writers (3)

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

- SOW 3210 American Social Welfare System (3)
- SOW 3203 Introduction to Social Work (3)

Social Work Core Courses

1. Human Behavior and Social Environment Courses
SOW 3101 (4) SOW 3102 (4) SOW 4522 (3)
2. Social Welfare: Policy & Program Course
SOW 4233 (4)
3. Social Research Course
SOW 3401 (4)
4. Social Work Practice Courses
SOW 4341 (5) SOW 4343 (5)
5. Field Experience
SOW 4510 (3) SOW 4510L (6)

Summary:

Core Courses	29 hours
Field Experience	9 hours
TOTAL	38 hours

• **EXCEPTIONAL CHILD EDUCATION with ESOL Endorsment**

The College of Education offers a full ESOL Endorsement for all Special Education major graduates. The special requirements for ESOL endorsement through infusion are as follows: Successful completion of (1) FLE 4317 and FLE 4316 with a minimum grade of 70% or better on part one and part two of the ESOL Comprehensive Exam administered in the two ESOL courses; (2) a 20-hour early ESOL field experience in FLE 4317; (3) a late ESOL field experience where students plan, implement, and evaluate lessons for one or more ESOL students over a 10 days; and (4) an ESOL binder, containing all ESOL-related assignments taken in the College of Education and an ESOL-performance Standards Checklist that documents the completion of the necessary number of standards.

Prerequisites (State Mandated Common Prerequisites):

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

- EDF X005 Introduction to Education (3)
- EDG X701* Teaching Diverse Populations (3)
- EME X040 Introduction to Educational Technology (3)

*In addition to EDG X701, a minimum of 6 semester hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.

Completion of General Education requirements: General education courses will be determined by the community college or university where the student currently is earning the Associate in Arts or baccalaureate degree, and will be published in the institution's existing catalog or in the Community College Counseling Manual. (For USF, see "Academic Policies and Procedures - Liberal Arts Requirements" section of the catalog.)

Professional Education Core (31-32 credit hours):

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

EEX 4941	Practicum in ESE	6
EDF 3122	Learning and the Developing Child	3
or		
EDF 3214	Human Development and Learning	3
EDF 3604	Social Foundations of Education (Exit)	3
EDF 4430	Measurement for Teachers	3
FLE 4316	Language Principles and Acquisition	2
FLE 4317	Teaching LEP Students K-12	3
EEX 4940	Internship: Exceptional Student Education	1-10
EEX 4936	Senior Seminar in Exceptional Student Education	1

Area of Specialization

Exceptional Student Education

Students seeking the B. S. degree with certification in Exceptional Student Education are required to take the following courses:

EEX 4011	Foundations of Special Education	3
EEX 4054	Perspectives on Learning and Behavioral Disorders	3
EEX 4221	Educational Assessment of Exceptional Students	3
EEX 4243	Education of the Exceptional Adolescent and Adult	3
EEX 4604	Behavior Management for Special Needs and at Risk Students	3
EEX 4742	Narrative Perspectives on Exceptionality: Cultural and Ethical Issues (Exit)	3
EEX 4846	Clinical Teaching in Special Education	3
EMR 4011	Mental Retardation and Developmental Disabilities	3
LAE 4314	Teaching Writing	3
MAE 4310	Teaching Elementary School Mathematics I	3
RED 4310	Early Literacy Learning	3
RED 4511	Linking Literature Assessment to Instruction	3

STUDENT LEADERSHIP MINOR

The minor in Leadership Studies consists of a minimum of 18 credit hours with a "B" average (3.0). All students shall complete the first courses in the sequence and select four additional courses from the list of approved courses for the program. The series of courses is designed to help students develop personal and organizational leadership skills. The program is interdisciplinary in nature and should be of significant benefit to students in all areas of study.

The seven courses are designed to give students a practical and theoretical grasp of leadership. The basic assumption is that leadership can be learned and, therefore, taught. This program has a unique approach to leadership education that combines practical theories of leadership and learning to provide opportunities for students to study the nature of authority, leadership, social and role dynamics, political processes and the values that orient their careers. Students learn personal, diagnostic, operational, and tactical skills. In these classes, students are challenged to investigate self, context, and strategy.

Required Courses (6 hours):

SLS 2260	Leadership Fundamentals	3
SLS 4272	Survey of Leadership Readings	3

Elective Courses (12 hours):

SLS 3930	Selected Topics in Leadership	1-4
SLS 3948	Community Leadership Practicum	3
SLS 4271	Organizational Theories and Processes	3
SLS 4273	Theories of Leadership	3
SLS 4274	Ethics and Power in Leadership	3
SLS 4276	Images of Leadership in Print and Film	3