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 provides 125,000 square feet of state-of-the-art teaching, research, and service facilities. Nearly 60,000 square feet are dedicated for use by USF Lakeland for high-tech classrooms, technology and research labs, faculty and staff offices, student services, and student study areas.

A Master Plan for a new primary campus site has been approved. 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.)

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.)

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

Campus Characteristics

2006-2007 Enrollment (Unduplicated/Funding Campus)
2,600 students

Student-Faculty Ratio
17:1

Average Age
28

Full-Time vs. Part-Time
Full-time 44%
Part-time 56%

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/academic/bsas.htm](http://www.ugs.usf.edu/academic/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

**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 - American Sign Language (ASG) Concentration consists of 19 credit hours:**

- SPA 3612 Basic American Sign Language (4)
- SPA 4613 Intermediate American Sign Language (4)
- SPA 4614 Advanced American Sign Language (4)
- PLUS ONE OF THE FOLLOWING:
  - SPA 4930 American Sign Language IV (4)
  - SPA 4617 Structure of Sign Language (4)
- PLUS ONE OF THE FOLLOWING:
  - SPA 3633 American Deaf Culture (3)
  - SPA 4632 Nature and Needs of Deaf and Hard of Hearing (3)

**BSAS - Behavioral Healthcare Concentration (ABH) consists of 18 credit hours:**

- MHS 3411 Multidisciplinary Behavioral Healthcare Services (3)
- MHS 4002 Behavioral Health Systems Delivery (3)
- MHS 4408 Exemplary Practices in Behavioral Healthcare Treatment (3)
- MHS 4425 Field Experience in Behavioral Healthcare (3)
- AND, TWO OF THE FOLLOWING:
  - MHS 4931 Selected Topics in Behavioral Healthcare (3)
  - MHS 4906 Directed Study/Readings (3)

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

- CCJ 3610 - Theories of Criminal Behavior (3)
- CCJ 4934 - Seminar in Criminology (XMW) (3)
- PLUS FOUR OF THE FOLLOWING:
  - CJE 3110 - Substantive Criminal Law (3)
  - CJE 4114 - American Law Enforcement Systems (3)
  - CCJ 4450 - Criminal Justice Administration (3)
  - CJC 4010 - American Correctional Systems (3)
  - CJC 4010 - The Juvenile Justice System (3)
  - CCJ 3621 - Patterns of Criminal Behavior (3)
  - CJC 4166 - Alternatives to Incarceration (3)
  - CJE 4410 - Criminal Rights & Procedures (3)
  - CJT 4100 - Criminal Investigations (3)
  - CCJ 4933 - Selected Topics in Criminology (3)
  - CCJ 4604 - Abnormal Behavior & Criminality (3)
  - CCJ 3701 - Research Methods in Criminal Justice I (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)
BSAS – Early Child Development Concentration (AEC) consists of 18 credit hours:
Only available at Lakeland or Sarasota campus

REQUISITES - 9 HOURS:
- 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

REQUISITES (18) HOURS:
- COP 2510 Programming Concepts (3)
- STA 2023 Introductory Statistics (3)
- MAC 1105 College Algebra (3)

REQUIRED COURSES:
- STA 4212 Statistical Methods (3)
- STA 4214 Statistical Methods II (3)
- STA 4694 Senior Exercise in Statistics (3)
- PUP 4002 Public Policy (3)
- PUP 4419 Personnel and Supervision in Today's Organizations (3)
- PUP 4500 Human Resources Management (3)
- PUP 4712 Managing Information Resources in the Public Sector (3)
- POS 3182 Florida Politics and Government (3)

Plus any one of the following:
- PUP 4002 Public Policy (3)
- PUP 5035 Issues in Public Administration and Public Policy (3)
- PUP 5044 Environmental of Public Administration (3)
- PUP 5159 Urban Policy Analysis (3)
- PUP 5333 Concepts and Issues in Public Planning (3)
- PUP 5605 Administrative Law and Regulation (3)
- PUP 5700 Research Methods in Public Administration (3)
- PUP 5807 Urban and Local Government Administration (3)
- PUP 5836 Comparative Public Administration (3)

BSAS – Public Health Concentration (APL) consists of 18 credit hours:

REQUISITES - 9 HOURS:
- HSA 4120 Introduction to Public Health (3)
- HSC 4554 Survey of Human Disease (3)
- HSC 4933 Special Topics in Public Health* (3)

*Please see academic advisor for required special topics courses.

Electives (9 credit hours):
- HSC 3541 Human Structure and Function (3)
- HSC 4540 Foundations of Public Health (3)
- HSC 4542 Stress, Health and College Life (3)
- HSC 4579 Foundations of Maternal & Child Health (3)
- HSC 4933 Special Topics in Public Health** (3)
- MHS 4002 Behavioral Health System Delivery (3)
Selected special topics courses can include the following subjects:

- Behavioral Health System Delivery
- Foundations of Global Health
- Introduction to Environmental Health
- Introduction to Food Safety
- Men’s Health and Gender in Society
- Secret History of Death and Disease
- Understanding U.S. Health Care
- Women’s Health: A Public Health Perspective
- Secret History of Death and Disease
- Understanding U.S. Health Care
- Women’s Health: A Public Health Perspective

BSAS – Urban Studies Concentration (AUR) consists of 18-21 credit hours:

URS 3002 Introduction to Urban Studies (3)

Plus any of the following:

ARC 4784 The City (3)
AMS 3700 Racism in American Society (3)
AMH 3423 Modern History (4)
IDS 4942 Community Internship (1-4)
ECP 3613 Economics of Urban Environment (3)
ISS 3930 ST: Community Studies (1-4)
SYA 4930 ST: Urban Life (3)
GEO 3602 Urban Geography (4)
GEO 4604 Advanced Urban Geography (4)
PAD 3003 Introduction to Public Administration (3)
POS 3142 Introduction to Urban Politics and Government (3)
SOW 3203 American Social Welfare System (3)
SPC 3710 Communication and Cultural Diversity (3)
SYD 3700 Racial and Ethnic Relations (3)
URP 4050 City Planning and Community Development (3)
URP 4052 Urban and Regional Planning (4)

Contact the BSAS Program for additional BSAS Concentrations that may have developed since the publication of this catalog.

**AREAS FROM SELECTED SPECIAL TOPICS COURSES SHOULD BE SELECTED IN CONSULTATION WITH YOUR ACADEMIC ADVISOR.**

Requirements for the Major in Criminology

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

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

2. 24 semester hours of electives within the major.

*Students who plan to continue on to graduate school should also take CCJ 4700 as one of their electives within the major. Students must take CCJ 3610 prior to enrollment in CCJ 3701.*

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 title.

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:

1. The following two required courses:
   - CCJ 3024 (3)
   - CCJ 3610 (3)

2. An additional 12 semester hours of electives within Criminology.

Please note! Because all courses are programmed for majors only, each semester students will be required to obtain approval for all criminology courses with the exception of CCJ 3024. This can be accomplished by emailing the USF student ID number and reference numbers to the advising office. Upon receipt of the email, students will be registered for courses. 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
**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 Admission to the College of Business**

1. **Students must satisfy the following criteria:**
   a. Minimum of 60 semester hours of college credit earned.
   b. Minimum of 2.5 cumulative grade point average on all college-level work and a minimum of 2.0 on all credit attempted at USF, including any prior to renewal.
   c. Completion of the following State Mandated Common Prerequisites (or equivalents) with a grade of C- or higher in each course and an overall 2.0 GPA:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 1000</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 1001</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>MAC 2230</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MKT 3023</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MAN 4800</td>
<td>Entrepreneurship &amp; Small Business Management</td>
</tr>
</tbody>
</table>

   **Total:** 16

2. **A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses attempted at USF, including any prior to renewal.**

3. **At least 12 hours of the required 18 credit hours must be used for a major.**

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

5. **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.

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

7. **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. Courses used in the minors or concentrations for the GBA major can not be used for a major.

8. **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 by demonstrating competence in the use of computers.

   **Total:** 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3074</td>
<td>Managerial Accounting for Non-Business Majors*</td>
</tr>
<tr>
<td>ECO 1000</td>
<td>Basic Economics**</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Principles of Finance</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MKT 3023</td>
<td>Basic Marketing</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>Entrepreneurship &amp; Small Business Management</td>
</tr>
</tbody>
</table>

   **Total:** 18

---

*ACG 2011 & ACG 2071 can be substituted for ACG 3074.
**ECO 2013 & ECO 2023 can be substituted for ECO 1000.
### Industrial and Management Systems Engineering - Four-Year Curriculum

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

*or MAC 2281, MAC 2282, MAC 2283

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

*or CHS 1440 Chemistry for Engineers

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

### 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.

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045 Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3000 Foundations of Engineering</td>
<td>1</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2281 Engineering Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester II</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046 Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2282 Engineering Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048 Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester III</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3443 Engineering Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2283 Engineering Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049 Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>Historical Perspectives Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester IV</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3311 Statics</td>
<td>3</td>
</tr>
<tr>
<td>COP 2510 Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4450 Linear Systems</td>
<td>2</td>
</tr>
<tr>
<td>EGN 3433 Modeling &amp; Analysis of Engineering Systems</td>
<td>3</td>
</tr>
<tr>
<td>or MAP 2302 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**Summer Term**
- EGS 1113 Engineering Graphics | 3 |
- EGN 3615 Engineering Economy with Social and Global Implications (SS) | 3 |
- ALAMEA Elective | 3 |
- **Total** | **9** |

<table>
<thead>
<tr>
<th>Semester V</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3365 Materials Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373 Introduction to Electrical Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4312C Work Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4621 Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4312 Deterministic OR</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VI</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4333 Production Control</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4221 Industrial Statistics/Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4313 Probabilistic OR</td>
<td>3</td>
</tr>
<tr>
<td>Tech Elective Engineering Science</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VII</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4364C Facilities Design</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4352 Engineering Cost Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4244 Design of Experiments</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4523 Industrial Systems Simulation</td>
<td>3</td>
</tr>
<tr>
<td>Tech Elective Industrial Engineering</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VIII</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4243C Human Factors (6A)</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4891 Capstone Design (MW/MI)</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4601 Automation/Robotics</td>
<td>3</td>
</tr>
</tbody>
</table>
• 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY XXXX</td>
<td>Any Psychology Course</td>
</tr>
<tr>
<td>STA X023</td>
<td>Statistics</td>
</tr>
<tr>
<td>ECO X013</td>
<td>Economics (Macroeconomics)</td>
</tr>
<tr>
<td>CGS X00X</td>
<td>Any Database Course</td>
</tr>
<tr>
<td>COP 2XXX</td>
<td>Any Computer Programming Course</td>
</tr>
<tr>
<td>COP 2XXX</td>
<td>Any Object-Oriented Computer Programming Course</td>
</tr>
<tr>
<td>MAC XXXX</td>
<td>Pre-Calculus Course</td>
</tr>
<tr>
<td>PHY XXXX</td>
<td>Any Physics Course</td>
</tr>
<tr>
<td>M** XXXX</td>
<td>Discrete Mathematics Course</td>
</tr>
</tbody>
</table>

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

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

Semester I

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100</td>
<td>Computers in Bus.</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td>Gen. Ed.</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

Semester II

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2510</td>
<td>Programming Concepts</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>MAD 3100</td>
<td>Discrete Math</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Economic Principles (Macro.)</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>Psychological Science I</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

Semester III

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>COP XXXX</td>
<td>OO Programming (e.g., C++)</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>
Semester IV

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Introductory Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2020</td>
<td>Conceptual Physics</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Semester V

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3515</td>
<td>Program Design for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3246</td>
<td>Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>INR 3033</td>
<td>International Political Cultures</td>
<td>3</td>
</tr>
<tr>
<td>CGS 3303</td>
<td>IT Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722</td>
<td>Human Computer Interfaces for IT</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Semester VI

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3101</td>
<td>Computer Organization for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4782</td>
<td>Computer Information Networks for IT</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4782L</td>
<td>Information Networks Lab for IT</td>
<td>1</td>
</tr>
<tr>
<td>EEL 4854</td>
<td>Data Structures and Algorithms for IT</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4260</td>
<td>Advanced Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Semester VII

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4703</td>
<td>Database Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>CEN 4031</td>
<td>Software Engineering Concepts for IT</td>
<td>3</td>
</tr>
<tr>
<td>COP 4610</td>
<td>Operating Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>COP 4610L</td>
<td>Operating Systems Lab for IT</td>
<td>1</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Semester VIII

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4930</td>
<td>Information Technology Seminar</td>
<td>1</td>
</tr>
<tr>
<td>CIS 4935</td>
<td>Senior Project in IT</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4253</td>
<td>Ethical Issues for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>13</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3303</td>
<td>IT Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives (choose four from list):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3101</td>
<td>Computer Organization for IT</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722</td>
<td>Human Computer Interfaces for IT</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4361</td>
<td>IT Security Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4412</td>
<td>IT Resource Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**IT TECHNICAL MINOR**

**Prerequisite Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2510</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COT 3100</td>
<td>Introduction to Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>PHY XXXX</td>
<td>Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3303</td>
<td>IT Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COP 3515</td>
<td>Program Design for IT</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4854</td>
<td>Data Structures and Algorithms for IT</td>
<td>3</td>
</tr>
<tr>
<td>ETG 4931</td>
<td>Special Topics in Technology I</td>
<td>1-5</td>
</tr>
<tr>
<td>ETG 4932</td>
<td>Special Topics in Technology II</td>
<td>1-5</td>
</tr>
</tbody>
</table>

**Electives (choose four from list):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3101</td>
<td>Computer Organization for IT</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722</td>
<td>Human Computer Interfaces for IT</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4361</td>
<td>IT Security Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4412</td>
<td>IT Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>COP 4610</td>
<td>Operating Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>COP 4610L</td>
<td>Operating Systems Lab for IT</td>
<td>1</td>
</tr>
<tr>
<td>COP 4703</td>
<td>Database Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4782</td>
<td>Computer Information Networks for IT</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4852L</td>
<td>Information Networks Lab for IT</td>
<td>1</td>
</tr>
<tr>
<td>ETG 4931</td>
<td>Special Topics in Technology I</td>
<td>1-5</td>
</tr>
<tr>
<td>ETG 4932</td>
<td>Special Topics in Technology II</td>
<td>1-5</td>
</tr>
</tbody>
</table>

**POST-BACCALAUREATE CERTIFICATE PROGRAMS IN INFORMATION TECHNOLOGY (IT)**

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

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

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

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

**IT MANAGEMENT CERTIFICATE**

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

1. MACXXX Pre-Calculus 3 hrs.
2. STA2023 Intro. To Statistics 3 hrs.
3. Any Basic Computer Skills Course 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...
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.

Community college courses may be counted toward the ISS degree. These could include General Education credits, Gordon Rule classes, and courses such as the examples listed below. A grade of "C" is the minimum acceptable grade.

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

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

1. Required core courses for the major are:
   - ISS 3010 Introduction to Social Sciences
   - ISS 4935 Seminar in the Social Sciences
   - STA 2122 Social Science Statistics

2. The ISS student chooses between two cognate areas and completes twelve hours in each. In addition, three special electives emphasize cultural diversity.

3. Students should work out a program of study at the onset of their junior year, particularly before too many courses are completed in the College of Arts and Sciences. No student should assume that courses already completed will automatically count toward the ISS degree.

4. The completion of 42 approved hours of course work from the College of Arts and Sciences (CAS), with a minimum of 30 hours at the 3000 or above level.

5. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.

6. ISS majors must satisfy two semesters of a foreign language in order to graduate.

7. Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.2, developed with the approval of the advisor. This course
of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

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

COGNATE AREAS - Students select two areas and take 12 hours in each. Cognates must be selected from the areas 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
- Interpreting Training
- Latin American Studies
- Library and Information Science
- Multidisciplinary Behavioral Healthcare
- Political Science
- Psychology
- Public Administration
- Religious Studies
- Social Work
- Sociology
- 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 state-approved prerequisite courses 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. To be admitted to the major in Psychology, a student must complete all of the course prerequisites.

PSY 2012 Introduction to Psychological Science (if not already taken at a community college) or
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

1. **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
   - PSY 3213 Research Methods in Psychology

2. **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.

3. **4000 Level Requirement (21 semester hours)**
   - Courses in categories 1 and 2 must be completed before any 4000 level courses are attempted. Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:
     - **Group I**
       - EXP 4204C Perception
       - EXP 4404 Psychology of Learning
       - PSB 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 majoring 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 the 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:

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

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

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 courses 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.
7. A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

Requirements for the Major in Social Work

Prerequisites (State Mandated Common Prerequisites)

Social Work is a limited access program. Students wishing to transfer to USF 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 the 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.

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:

- XXXXXXX American Government (American National Government or American Government) (3)
- XXXXXXX Introduction to Public Policy (3)
- XXXXXXX Biology (Human Biology or Anatomy & Physiology) (3)
- ECO XXXX Economics (Microeconomics or Macroeconomics or Introduction to Economics) (3)
XXX Introductory Psychology (3)
XXX Introductory Sociology/Social Problems (3)

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.

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 4500 Gender and Society (3)
SYO 3530 Social Inequalities in a Global Society (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 (3) SOW 4522 (3)

2. Social Welfare: Policy & Program Course
SOW 4233 (3)

3. Social Research Course
SOW 3401 (3)

4. Social Work Practice Courses
SOW 4341 (5) SOW 4343 (5) SOW 4930 (3)

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 Endorsement

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; (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 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)
• EDF X015 Education of the Exceptional Child (3)
• EDG X701* Teaching Diverse Populations (3)
• EEOX 1000 Introduction to Education (3)
• EEPX 1000 Human Development and Learning (3)

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. Foreign language courses may be used to meet this requirement.

Professional Education Core (31-32 credit hours):
The required courses in the professional education core are as follows:

EDF 3124 Learning and the Developing Child 3
EDF 3125 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
### Exceptional Student Education

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

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

### Leadership Studies 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):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS 2260</td>
<td>Leadership Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>SLS 4272</td>
<td>Survey of Leadership Readings</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Elective Courses (12 hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS 3930</td>
<td>Selected Topics in Leadership</td>
<td>1-4</td>
</tr>
<tr>
<td>SLS 3948</td>
<td>Community Leadership Practicum</td>
<td>3</td>
</tr>
<tr>
<td>SLS 4271</td>
<td>Organizational Theories and Processes</td>
<td>3</td>
</tr>
<tr>
<td>SLS 4273</td>
<td>Theories of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SLS 4274</td>
<td>Ethics and Power in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SLS 4276</td>
<td>Images of Leadership in Print and Film</td>
<td>3</td>
</tr>
</tbody>
</table>