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 businesses, and community agencies. With full- and part-time students, 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 fall 2006.

A Master Plan for a new primary campus 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.
**ACADEMIC PROGRAMS OFFERED AT LAKELAND**

**DEGREE REQUIREMENTS**

**Bachelor of Science in Applied Science (APS)**

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

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 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.

<table>
<thead>
<tr>
<th>Community College Block Credit</th>
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</tr>
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<tbody>
<tr>
<td>(Transferred from A.S.)</td>
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<tr>
<td>Community College General Education</td>
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<tr>
<td>USF General Education</td>
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<tr>
<td>USF Exit Courses</td>
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</table>

| USF Area of Concentration*    | 18 |
| USF Electives**               | 15 |
| Total BSAS Credit Hours       | 720 |

*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:

- **CCJ – 3024 Survey of Criminal Justice (3)**
- **CCJ – 3610 Theories of Criminal Behavior (3)**
- **CIL – 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 – 4XXX Managerial Applications (3)**
- **MAR – 3023 Basic Marketing (3)**

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

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

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

- **PREREQUISITES - 9 HOURS:**
  - **MAC – 1105 College Algebra (3)**
  - **STA – 2023 Introductory Statistics (3)**
  - **COP – 2510 Programming Concepts (3)**
- **REQUIRED COURSES:**
  - **ETG – 4931 Special Topics in Technology I* (1-5)**
  - **MAN – 3025 Principles of Management (3)**
  - **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:

- 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)
- OIS 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 the community. 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 regulations 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:

1. Each of the following core courses:
   - CCJ 3024 (3)
   - CCJ 3610 (3)*
   * 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 must also take CCJ 4700 as one of their electives within the major.
   **Students who complete all or a major portion of their coursework at the University of South Florida.

   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 residence 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

The Department of Criminology offers a minor in Criminology. The minor consists of:

1. Two required courses:
   - CCJ 3024 (3)
   - CCJ 3610 (3)

2. The selection of four of the following 3 hour courses for a total of 12 semester hours:
   - CJC 4010
   - CJE 4114
   - CJC 4010
   - CJE 4010

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 2005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology

- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

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

- EDE 4330 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):**

<table>
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<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 4301</td>
<td>Classroom Management, School Safety, Ethics, Law, and Elementary Methods</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4941</td>
<td>Childhood Education Internship Level I</td>
<td>3</td>
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<tr>
<td>HLP 4722</td>
<td>Health and Physical Education for the Child</td>
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<tr>
<td>EDE 4942</td>
<td>Childhood Education Internship Level II</td>
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<tr>
<td>LAE 4314</td>
<td>Teaching Writing in the Elementary School</td>
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<td>LAE 4414</td>
<td>Teaching Literature in the Elementary School Schools</td>
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<td>MAE 4310</td>
<td>Teaching Elementary School Mathematics I</td>
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<tr>
<td>MAE 4326</td>
<td>Teaching Elementary School Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>RED 4310</td>
<td>Reading and Learning to Read</td>
<td>3</td>
</tr>
<tr>
<td>RED 4511</td>
<td>Linking Literacy Assessment to Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4310</td>
<td>Teaching Elementary School Science</td>
<td>3</td>
</tr>
<tr>
<td>SSE 4313</td>
<td>Teaching Elementary School Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>EDE 4223</td>
<td>Creative Experiences for the Child</td>
<td>3</td>
</tr>
</tbody>
</table>

### GENERAL BUSINESS (GPA)

- 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.

### Requirements for a Minor in Business Administration (Non-Business Majors Only):

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

1. The course requirements are as follows:
   - ACG 3074 Managerial Accounting for Non-Business Majors
   - ECO 1000 Basic Economics**
   - FIN 3403 Principles of Finance
   - MAN 3025 Principles of Management
   - MAN XXXX Managerial Applications (see advisor)
   - MKT 3023 Basic Marketing
   - Total 18

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

3. At least 12 hours of the required 18 credit hours must be taken in residence at USF.

*AGC 2021 & ACG 2071 can be substituted for ACG 3074.
**ECO 133 & ECO 2063 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 C/C
- MAC 2281 MAC 2311* (4)
- MAC 2282 MAC 2312* (4)
- MAC 2283 MAC 2313* (4)
- MAP 2302 MAP 2302 (3)
- *or MAC 2281, MAC 2282, MAC 2283

### Natural Sciences:

- USF C/C
- 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; and 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>
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<tbody>
<tr>
<td></td>
<td>CHM 2045 Chemistry I</td>
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<td>CHM 2045L Chemistry I Lab</td>
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<td>EGN 3000 Foundations of Engineering</td>
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<td>ENC 1101 Composition I</td>
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<th>Semester II</th>
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<tr>
<td></td>
<td>CHM 2046 Chemistry II</td>
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<td>Historical Perspectives Elective</td>
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<td></td>
<td>ENC 1102 Composition II</td>
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<td></td>
<td>MAC 2282 Engineering Calculus II</td>
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<td>PHY 2048 Physics I</td>
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<tr>
<td></td>
<td>EGN 3443 Engineering Statistics</td>
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<td>MAC 2283 Engineering Calculus III</td>
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<td>PHY 2049 Physics II</td>
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<tr>
<td></td>
<td>EGN 3311 Statics</td>
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<td></td>
<td>COP 2510 Programmers Concepts</td>
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<tr>
<td></td>
<td>EGN 4450 Linear Systems</td>
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<td></td>
<td>EGN 3433 Modeling &amp; Analysis of Engineering Systems</td>
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<td>or</td>
<td>MAP 2302 Differential Equations</td>
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<td>Fine Arts Elective</td>
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<tr>
<td></td>
<td>EGS 1113 Engineer Graphics</td>
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<td></td>
<td>EGN 3615 Engineer Economics with Social and Global Implications (SS)</td>
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<td>ALAMEA Elective</td>
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<tr>
<td></td>
<td>EGN 3365 Materials Engineering I</td>
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<tr>
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<td>EGN 3373 Introduction to Electrical Systems I</td>
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<td>EIN 4312C Work Analysis</td>
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<td>EIN 4411 Manufacturing Processes</td>
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<td>ESI 4312 Deterministic OR</td>
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<td>EIN 4333 Product Control</td>
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<td></td>
<td>ESI 4221 Industrial Statistics/Quality Control</td>
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<td>ESI 4313 Probabilistic OR</td>
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<tbody>
<tr>
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<td>EIN 4364C Facilities Design</td>
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<td>EIN 4352 Engineering Cost Analysis</td>
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<tr>
<td></td>
<td>ESI 4244 Design of Experiments</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ESI 4523 Industrial Systems Simulation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Tech Elective Industrial Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester VIII</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4313C Human Factors (6A)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EIN 4365 Capstone Design (MW/MI)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EIN 4601 Automation/Robotics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC 3246 Communication for Engineers (6A L&amp;W)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Tech Elective Industrial Engineering</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

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.

**Four-Year Curriculum in Information Systems**

**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.

**Computer Science & Engineering (CSE)**

- COP XXXX* | 3             |
- MAC X311    | 4             |
- MAC X312    | 4             |
- PHY X048/X048L | 4           |
- PHY X049/X049L | 4           |

*Programming in Ada, C, C++, or PASCAL or equivalent language.

**Natural Sciences:**

- XXX XXXX** | 6             |

**Two (2) science courses for science majors.**

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

**Information Systems Admissions Requirements**

All students must complete the equivalent of USF Composition I & II, Engineering of Life Science Calculus I & II and General Physics I & II (with labs) with an overall grade point average of 3.00 or higher in these courses (best attempt) to be admitted to the CSE department. Continuation in the major requires successful completion of CDA 3103 and COP 3514 with the required GPA as stated in the Computer Science & Engineering prerequisite statement in the College of Engineering general section.
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**
- MAC 2281/2241 Calculus I 4
- ENC 1101 Composition I 3
- Science Elective 3
- Social Science Elective 3
- Total 13

**Semester II**
- MAC 2282/2242 Calculus II 4
- ENC 1102 Composition II 3
- PHY 2048/2053 Physics I 3
- PHY 2048L/2053L Physics I Lab 1
- COP 2510 Programming Concepts 3
- Total 14

**Semester III**
- ACG 2021 Accounting I 3
- CIS 4930 Selected Topics in Computer Science 3
- PHY 2049/2054 Physics II 3
- PHY 2049L/2054L Physics II Lab 1
- ECO 2013 Macroeconomics 3
- Total 13

**Summer Semester**
- ECO 2023 Microeconomics 3
- EEL 4651 Data Structures 3
- Fine Arts Elective 3
- Total 9

**Semester V**
- EGN 3443 Engineering Statistics I 3
- COP 4600 Operating Systems 3
- MAN 3025 Principles of Management 3
- COP 4400 Analysis of Algorithms 3
- Historical Perspectives 3
- Total 15

**Semester VI**
- CEN 4020 Software Engineering 3
- CEN 4023 Software System Development 3
- EGN 3615 Engineering Economics with Social & Global Implications 3
- Science Elective 3
- CSE Software Elective 3
- Total 15

**Semester VII**
- EGN 4450 Introduction to Linear Systems 2
- ALAMEA Elective 3
- CSE Software Elective 6
- CSE Elective 3
- Total 14

**Semester VIII**
- ENC 3246 Communication for Engineers 3
- CIS 4250 Ethical Issues (6A MW/MI) 3
- CSE Electives 6
- Total 12

*Please see academic advisor for required special topics course.

Gordon Rule (6A) is fully met through the mathematics courses above, ENC1101, ENC1102, ENC3246 and CIS4250 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 ENC3246 and CIS4250.

**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 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>Semester I</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1100 Pre-Calculus Course</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1400 Physics I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2100 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Gen. Ed.</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Prerequisites (State Mandated Common Prerequisites) for Students Completing an A.A. Degree**: Students who already have an A.A. associate degree or students who have more than 60 semester hours of acceptable credit, are not required to follow the above prerequisites. However, students who have completed a transferable A.A. degree must follow the following expanded program admission policies:

- A grade of “C” or better is required in all major and major supporting coursework.
- A minimum of 60 semester hours of acceptable credit is required with a cumulative GPA of 2.0 or better at the university.
- Students must complete the prerequisites listed below at the lower level prior to entering the University.

<table>
<thead>
<tr>
<th>Semester II</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2510 Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAD 3100 Discrete Math</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 Economic Principles (Macro.)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 Psychological Science I</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
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</tbody>
</table>

**Semester IV**

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

**Semester V**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3515 Program Design for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>CDA 3101 Computer Organization for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3246 Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>INR 3033 International Political Cultures</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722 Human Computer Interfaces for IT</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Semester VI**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4782 Computer Information Networks for IT</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4854 Data Structures and Algorithms for IT</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4360 Advanced Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>CGS 3303 IT Concepts</td>
<td>3</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Semester VII**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4703 Database Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>CEN 4031 Software Engineering Concepts for IT</td>
<td>3</td>
</tr>
<tr>
<td>COP 4610 Operating Systems for IT</td>
<td>3</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

**Semester VIII**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4930 Information Technology Seminar</td>
<td>1-3</td>
</tr>
<tr>
<td>CIS 4935 Senior Project in IT</td>
<td>3-5</td>
</tr>
<tr>
<td>CIS 4253 Ethical Issues for Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>IT Approved Electives</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>13-15</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 topics 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</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3303 IT Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA 3101 Computer Organization for IT</td>
<td>3</td>
</tr>
<tr>
<td>CEN 3722 Human Computer Interfaces for IT</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4361 IT Security Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4412 IT Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>COP 3515 Program Design for IT</td>
<td>3</td>
</tr>
</tbody>
</table>
EEL 4782 Computer Information Networks for IT 3
EEL 4855 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
- COP 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 4703 Database Systems for IT 3
- EEL 4782 Computer Information Networks for IT 3
- 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 students 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 planning on entering 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 2 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 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: A. Karshmer; Faculty: W.D. Armitage, P. Bao, A. Ejnioui, F. Fleschute, A. Gaspar, B. Harding, R. Hawat.

**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 range 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 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 (3)
   - ISS 4935 Seminar in the Social Sciences -MW (3)
   - STA 2122 Social Statistics Statistics - 6A QM (3)

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, Interpreter Training, Latin American Studies, Library and Information Science, Multidisciplinary Behavioral Sciences, 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 with a particular aspect of the field. Interested undergraduate majors may apply for admission to a concentration in Applied Behavioral Analysis, or 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:

1. PSY 2012 Psychological Science I or equivalent
2. Statistics (PSY 3204, Psychological Statistics is preferred) with grades of C (not C-) or higher
Continuation in the major requires successful completion of 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 Psychological Science I (if not already taken at a community college)
   - PSY 3204 Psychological Statistics
2. Methods Course Requirement (7 semester hours)
   - PSY 3213 Research Methods
   - and one of the following:
     - CLP 4433 Tests and Measures
     - PSY 4205 Experimental Design and Analysis
     - or another methods course approved by the undergraduate advisor in Psychology.
3. 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 Psychological 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. Nor may EAB 4715 (Supervised Practicum) count toward the major for those in the Applied Behavior Analysis program.
   - 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 minorning 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.

**Concentration in Applied Behavior Analysis**

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

**Psychology Honors Program**

The purpose of the Honors Program is to provide a select group of undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the second semester of the student’s junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student’s overall academic record, performance in psychology courses, and a letter of recommendation from a member of the Psychology Department faculty. Successful completion of the program requires a GPA of 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 43 hours in Psychology including PSY 4932, Honors Seminar (6) and PSY 4970, Honors Thesis (6). See the Psychology Department Undergraduate Advisor for details of the program and an application form.

**SOCIAL WORK (SOK)**

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

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

In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of...
various methods of intervention and skills in their application to a variety of client systems. For example, intervention methods may take the form of individual and group counseling, 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 clients of the social worker, 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 3302 or SOW 3203. 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 “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 first 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 3302 “Introduction to Social Work” and SOW 3203 “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 3302 Introduction to Social Work and SOW 3203 American Social Welfare must be taken at USF or another accredited institution and must be completed, earning a grade of “B” or better. 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 2100 Contemporary Social Problems (3)
SYD 4000 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 (3)
   AFA 4333 African Diaspora: Blacks in the Construction of the Americas (3)
   AFA 4335 Black Women in America (3)
   AMS 3700 Racism in American Society (3)
   Anthropology:
   ANT 2000 Introduction to Anthropology (3)
   ANT 4305 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)
   SYG 2000 Introduction to Sociology (3)
   AMH 3561 American Women I (4)
   AMH 3562 American Women II (4)
   LIT 3383 The Image of Women in Literature (3)
   PUP 4233 Women and Politics (3)
   SOP 3742 Psychology of Women (3)
   SYG 3015 Issues in Feminism (3)
   WST 4262 Literature by American Women of Color (3)
   WST 4410 Third World Women Writers (3)
   WST 4510 Women of Color (3)

2. Both of the following Social Work courses, earning a "B" or better:
   SOW 3203 American Social Welfare System (3)
   SOW 3300 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

- SPECIAL 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:
1. 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 2005 Introduction to Education
- EDG 2701 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- Nine (9) hours of Mathematics (to include College Algebra or above and Geometry)*
- Twelve (12) hours of Social Science (to include American History and General Psychology)
- Nine (9) hours of Natural Science (to include an Earth Science course, a Life Science course and a Physical Science course)
- One (1) Natural Science Course must have a lab component
- Six (6) hours of International or Multicultural Focus
- Nine (9) hours of English (to include Writing, Literature and Speech)
- Six (6) hours Humanities (to include Philosophy and Fine Arts)

*Only courses with the prefixes MGF, MTG, MAC, and STA will qualify for the courses in mathematics. MGF 1106 Liberal Arts Mathematics I meets the intent of the program approval rule with respect to the inclusion of geometry in the mathematics requirement.

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
- 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
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<td>Behavior Management for Special Needs and at Risk Students</td>
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<td>EEX 4742</td>
<td>Narrative Perspectives on Exceptionality: Cultural and Ethical Issues (Exit)</td>
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<td>EEX 4846</td>
<td>Clinical Teaching in Special Education</td>
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<td>EMR 4011</td>
<td>Mental Retardation and Developmental Disabilities</td>
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<td>LAE 4314</td>
<td>Teaching Writing</td>
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<td>MAE 4310</td>
<td>Teaching Elementary School Mathematics I</td>
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<td>RED 4511</td>
<td>Linking Literature Assessment to Instruction</td>
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**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