



## COLLEGE OF ENGINEERING

### BACHELOR OF SCIENCE: INFORMATION TECHNOLOGY

Home Institution A.A. Plan

**YEAR 1 FALL**

ENC 1101 College Composition I	3
* <i>STA 2023 Intro to Statistics</i>	3
* <i>CGS 1540 Intro to Databases</i>	3
State Core Humanities	3
General Education/Elective	3
<b>TOTAL: 15</b>	

**YEAR 1 SPRING**

ENC 1102 College Composition II	3
* <i>MAC 1147 Precalculus Algebra and Trig</i>	4
COP 2512 Prog. Fundamentals	3
General Education/Elective	3
General Education/Elective	3
<b>TOTAL: 16</b>	

**YEAR 2 FALL**

* <i>PHY 2020 Conceptual Physics</i>	3
COP 2513 Object Oriented Programming	3
PSY 2012 Intro to Psychology	3
ECO 2013 Macroeconomics	3
General Education/Elective	3
<b>TOTAL: 15</b>	

**YEAR 2 SPRING**

* <i>MAD 2104 Discrete Math</i>	3
General Education/Elective	3
General Education/Elective	3
General Education/Elective	3
General Education/Elective	3
<b>TOTAL: 15</b>	

USF B.S.I.T. Graduation Plan

**YEAR 3 FALL USE**

** EGN 3000 Foundations of Engineering	0
CGS 3303 IT Concepts	3
COP 3515 IT Program Design	3
CIS 3213 Foundations of Cyber Security	3
ENC 3246 Communications for Engineers	3
INR 3033 International Political Cultures	3
<b>TOTAL: 15</b>	

**YEAR 3 SPRING USE**

IT Approved Elective	3
COP 4538 IT Data Structures & Algorithms	3
CNT 4104 Computer Info. Networks	3
CNT 4104L Computer Info. Networks Lab	1
CEN 3722 Human Computer Interfaces for IT	3
CIS 3433 Sys Architecture and Integration for IT	3
<b>TOTAL: 16</b>	

**YEAR 3 SUMMER USE**

IT Approved Elective (CIS 4947 Industry Internship recommended) **TOTAL: 3**

**YEAR 4 FALL USE**

CGS 3853 Web Systems for IT	3
CNT 4603 Sys Admin and Maintenance for IT	3
COP 4703 Database Systems for IT	3
CIS 4083 Cloud Computing for IT	3
IT Approved Elective	3
<b>TOTAL: 15</b>	

**YEAR 4 SPRING USE**

CIS 4253 Ethical Issues for IT	3
CIS 4935 Senior Project in IT	4
IT Approved Elective	3
IT Approved Elective	3
IT Approved Elective	3
<b>TOTAL: 16</b>	

Note: EGN 3000L Foundations of Engineering lab is waived for student admitted with Florida AA.  
 \* See information on page 2 regarding admission (progression) criteria and equivalencies  
 \*\* College of Engineering requirement

## The following is important information for the IT Major:

*Minimum Admission (Progression) Requirements for the Information Technology Major*

**\*See equivalencies below**

All students must complete the equivalent of USF Discrete Mathematics (MAD 2104), Introductory Statistics (STA 2023), Conceptual Physics (PHY 2020), and Pre-calculus with Algebra and Trigonometry (MAC 1147) with minimum grades of C in each course (grades of C- are insufficient). The minimum overall average GPA in these four courses required for progression to the upper division is between 2.0 and 3.5 for any given year. The minimum acceptable average GPA will be posted on the department's website one year prior to the Fall semester that the revised GPA is applicable. The computed GPA is based on the best attempts in these courses. These requirements must be met with a maximum of two attempts allowed for each course. Completion of CGS 1540 with a minimum grade of B (grade of B- is insufficient) or another introductory database course with a minimum grade of B (grade of B- is insufficient). This requirement must be met with a maximum of two attempts allowed for the course. See <https://www.usf.edu/engineering/cse/undergraduate/admissions.aspx>.

All undergraduate students admitted to the College of Engineering must earn the required grade in math, science, and engineering courses in no more than two (2) registered attempts. Grades of W, I, IF, U, R, and M are considered attempts. See <http://ugs.usf.edu/catalog/>.

Students are expected to cross-enroll in MAD 2104 at USF only if this course is not offered at their transferring institution. Please consult an advisor for the proper forms.

**NOTE: This document is provided as a guide; information in this document does not supersede the catalog. The catalog is the definitive source for admission requirements.**

Students interested in the Information Technology Major must contact [eng-advisingmail@usf.edu](mailto:eng-advisingmail@usf.edu). For general transfer advising inquiries please contact [transfer-advising@usf.edu](mailto:transfer-advising@usf.edu).

<u>State Mandated Common Course Prerequisites</u>	<u>USF Course and Equivalents</u>	<u>Min Hrs.</u>
PSY XXXX Any Psychology course	PSY 2012	3
STA X023 Intro Statistics I or STA X122	STA 2023, 2122	3
ECO X013 Principles of Economics	ECO 2013	3
CGS XXXX Any Database course	CGS 1540, X540, X541	3
COP XXXX Any Computer Programming course	COP 2512	4
MAC XXXX Any Pre-Calculus course	MAC 1147, 1140, 2233, 231X	3
PHY XXXX Any Physics course	PHY X020, X025, X053, X048	3
XXX XXXX Any Discrete Mathematics course	MAD 2104	3
COP XXXX Any Object-Oriented Computer Programming course	COP 2513	3

