

## Undergraduate Major Map

Catalog Year 2020  
College / School Engineering  
Major Information Technology - BS  
Track / Concentration  
Career Path Two Year Transfer

### Fall Term 2020

Term Hours: 15

This 2 Year plan assumes student has completed an Associates of Arts Degree from a Florida Public Institution as well as the following prerequisite courses for the major: CGS 2518 or CGS 2060 or CGS 2100; PSY 2012 or DEP 2000 or CLP 1006; MAD 1100; MAC 1105 and MAC 1114, or MAC 1140, or a higher level math course like MAC 1147 or MAC 2233 or MAC 2311; COP 2210 or COP 2250 (see endnotes). If not please speak with an advisor.

\*\* Student is strongly encouraged to do an internship. Please contact STEM coordinator for more information.

| Course Group                       | Course Required | Course Description           | Credit Hours | Critical Indicator | Course Notes  |
|------------------------------------|-----------------|------------------------------|--------------|--------------------|---|
| IT Core Courses                    | CEN 3721        | Intro Human-Comp Interaction | 3            |                    |   |
| IT Core Courses                    | COP 3804        | Intermediate Java            | 3            |                    |   |
| General Electives                  |                 |                              | 3            |                    | Contact advisor for list of approved GL courses. (1) See Endnotes |
| IT Core Courses                    | CGS 3767        | Computer Os                  | 3            |                    |   |
| Professional and Technical Writing | ENC 3213        | Prof and Tech Writing        | 3            |                    | or ENC 3249   |

### Spring Term 2021

Term Hours: 15

\*\* Student is strongly encouraged to do an internship. Please contact STEM coordinator for more information if you have not done it yet.

If you have any questions you may contact your advisor through the dashboard.

| Course Group            | Course Required | Course Description             | Credit Hours | Critical Indicator | Course Notes   |
|-------------------------|-----------------|--------------------------------|--------------|--------------------|--|
| IT Core Courses         | CGS 3095        | Technology in the Global Arena | 3            |                    | Satisfies GL Discipline Specific. (1) See Endnotes   |
| IT Core Courses         | CGS 4854        | Websitecongmt                  | 3            |                    |  |
| IT Core Courses         | COP 4703        | Info Retrieval                 | 3            |                    |  |
| Interdisciplinary Study |                 |                                | 3            |                    | Course must meet requirement towards a Minor or a Certificate Outside SCIS. (A) See Endnotes |
| IT Core Courses         | CGS 4285        | Appl Networking                | 3            |                    |  |

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### Summer Term 2021

**Term Hours: 3**

\*\* Student should be doing an Internship this summer term. Please contact STEM coordinator for help.

Use this semester to catch up on coursework (if needed).

| Course Group      | Course Required | Course Description | Credit Hours | Critical Indicator | Course Notes   |
|-------------------|-----------------|--------------------|--------------|--------------------|--|
| General Electives |                 |                    | 3            |                    | Could register COP 3949 Internship course for 3 Credits. |
| General Electives |                 |                    | 3            |                    | Could register COP 3949 Internship course for 3 Credits. |

### Fall Term 2021

**Term Hours: 15**

| Course Group            | Course Required | Course Description  | Credit Hours | Critical Indicator | Course Notes  |
|-------------------------|-----------------|---------------------|--------------|--------------------|---|
| IT Core Courses         | CNT 4403        | Computer Security   | 3            |                    |   |
| IT Electives            |                 |                     | 3            |                    | Concentration Area 1 - Course 1. See PDA for options or speak to advisor for clarification. (B) See Endnotes. |
| IT Electives            |                 |                     | 3            |                    | Concentration Area 2 - Course 1. See PDA for options or speak to advisor for clarification. (B) See Endnotes. |
| Interdisciplinary Study |                 |                     | 3            |                    | Course must meet requirement towards a Minor or Certificate Outside SCIS. (A) See Endnotes                    |
| IT Core Courses         | COP 4814        | Compon Software Dev | 3            |                    |   |

### Spring Term 2022

**Term Hours: 12**

If you have any questions you may contact your advisor through the dashboard.

| Course Group            | Course Required | Course Description | Credit Hours | Critical Indicator | Course Notes  |
|-------------------------|-----------------|--------------------|--------------|--------------------|---|
| Interdisciplinary Study |                 |                    | 3            |                    | Course must meet requirement towards a Minor or Certificate Outside SCIS. (A) See Endnotes                    |
| IT ELECTIVES            |                 |                    | 3            |                    | Concentration Area 1 - Course 2. See PDA for options or speak to advisor for clarification. (B) See Endnotes. |
| IT Electives            |                 |                    | 3            |                    | Concentration Area 2 - Course 2. See PDA for options or speak to advisor for clarification. (B) See Endnotes  |
| IT Electives            |                 |                    | 3            |                    | See PDA for options or speak to advisor for clarification. (B) See Endnotes                                   |

## General Requirements

2 Year plan assumes student has completed an Associates of Arts Degree from a Florida Public Institution as well as the following prerequisite courses for the major: CGS 2518 or CGS 2060 or CGS 2100; PSY 2012 or DEP

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2000 or CLP 1006; MAD 1100; MAC 1105 and MAC 1114, or MAC 1140, or a higher level math course like MAC 1147 or MAC 2233 or MAC 2311; COP 2210 or COP 2250.

\*Critical Indicator is the minimum grade indicated in specific courses to demonstrate proficiency and progress in major. Earning less than the minimum grade is a trigger for a conversation with advisor.\*

### GENERAL UNIVERSITY REQUIREMENTS

Transfer students are assumed to have completed an Associates of Arts Degree from a Florida Public Institution or completed 60 credits and the University Core Curriculum Requirements.

In addition, the following courses are required of incoming transfer students:

(1) Global Learning Requirement for Transfers: Transfers entering FIU Fall 2011 or later are required to take two Global Learning courses.

Those who meet University Core Curriculum Requirements prior to entering FIU:

-Two Global Learning Discipline Specific Courses (One of the two may be a Global Learning Foundation Course chosen in consultation with your advisor)

Those who do not meet University Core Curriculum Requirements prior to entering FIU:

-One Global Learning Foundation Course (from the University Core Curriculum)  
-One Global Learning Discipline Specific Course

Transfer courses may not be used to meet the FIU Global Learning Requirement. For a list of Global learning courses: <http://goglobal.fiu.edu>

### COLLEGE OF ENGINEERING AND COMPUTING: Selected Major Requirements

Grades: Students must earn a minimum grade of 'C' in all math and major courses, and maintain a minimum of a 2.0 cumulative GPA.

(A) Interdisciplinary Credits: Nine credits must be taken outside SCIS. These credits must be selected from the courses for a minor or certificate in another discipline. All nine credits must be taken from the same minor or certificate.

(B) IT Electives: Students must take 5 elective courses. From the five areas of concentration select two areas and take two courses in those two selected areas (e.g. System Administration; Network Administration; Database Administration; Application Development; Security). The fifth course may be selected from any area of concentration. See PDA for list of options.

This document only lists SELECTED requirements. See your Panther Degree Audit for a full list of the College of Engineering and Computing, Information Technology major requirements at <http://my.fiu.edu>