

## Undergraduate Major Map

**Catalog Year** 2020  
**College / School** Engineering  
**Major** Information Technology - BS  
**Track / Concentration** Software  
**Career Path** Four Year Freshman

### Fall Term 2020

The MAC1140 requirement can be satisfied with any higher level math course like MAC1147, MAC2233 or MAC2311

**Term Hours:** 14  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
UCC First Year Experience	SLS 1501	First Year Exper	1		
UCC Communication	ENC 1101	Writing and Rhetoric I	3		
UCC Mathematics Group One	MAC 1140	PreCalculus Algebra	3	C	UCC Mathematics - Group 2. (1) See endnotes
UCC Social Science Group One	PSY 2012	Intro To Psychology	3		UCC Social Science -Group 1. (1) See endnotes
IT Software Track Core Courses	CGS 1920	Intro to Computing	1		
General Electives			3		Strongly Recommended: COP 1000

### Spring Term 2021

UCC Arts can be used to satisfy the GL Foundations requirement.

**Term Hours:** 13  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
UCC Communication	ENC 1102	Writing and Rhetoric II	3		
UCC Mathematics Group Two	COP 2250	Java Programming	3	C+	May use to satisfy UCC Mathematics requirement
UCC Arts			3		(1) (2) (4) See Endnotes
UCC Natural Science Group One			3		(1) See Endnotes
UCC Natural Science Group One			1		(1) See Endnotes

## Undergraduate Major Map

### Summer Term 2021

Use this semester to catch up on course work and/or to satisfy the 9 credits summer requirement. (3) See endnotes

UCC Humanities - Group 1 can be used to satisfy the GL Foundations requirement (if this requirement has not been satisfied).

**Term Hours:** 6  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
UCC Humanities Group One			3		(1) (2) (4) See Endnotes
General Electives			3		See advisor for list of courses.

### Fall Term 2021

UCC Social Science - Group 2 can be used to satisfy the Foundations Global Learning (GL) requirement if this requirement has not been satisfied.

UCC Humanities - Group 2 can be used to satisfy one GRW and/or the GL Foundations requirement (if these requirements have not been satisfied).

**Term Hours:** 15  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
Discrete Mathematics	COT 3100	Discrete Structures	3		
UCC Humanities - Group Two			3	C	(1) (2) (4) See Endnotes
UCC Social Science Group Two			3		(1) (2) (4) See Endnotes
Intro to Microcomputers	CGS 2518	Computr Data Analys	3	C+	or CGS 2060 or CGS 2100
IT Software Track Core Courses	CGS 3767	Computer Os	3		

### Spring Term 2022

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

**Term Hours:** 13  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	COP 3337	Programming II	3		
UCC Natural Science - Group Two			3		(1) See Endnotes
UCC Natural Science - Group Two			1		(1) See Endnotes
IT Software Track Core Courses	CEN 3721	Intro Human-Comp Interaction	3		
Professional and Technical Writing	ENC 3213	Prof and Tech Writing	3		or ENC 3249 (Satisfies 1 GRW) (4) See Endnotes

## Undergraduate Major Map

### Summer Term 2022

Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed). (3) See Endnotes

**Term Hours:** 6  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	CGS 4285	Appl Networking	3		
Interdisciplinary Study			3		First Interdisciplinary Course: Course must meet requirement towards a Minor or Certificate outside SCIS. (A) See Endnote

### Fall Term 2022

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

**Term Hours:** 12  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	CGS 3095	Technology in the Global Arena	3		
IT Software Track Core Courses	CGS 4854	Websiteconmgt	3		
IT Software Track Core Courses	CNT 4403	Computer Security	3		Satisfies GL Discipline Specific. (2) See Endnotes
General Electives			3		See advisor for list of courses.

### Spring Term 2023

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

**Term Hours:** 15  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	CDA 3103	Fund Computer System	3		
IT Software Track Core Courses	COP 3530	Data Structures	3		
IT Software Track Core Courses	COP 4703	Info Retrieval	3		
IT ELECTIVES			3		Concentration Area 1, 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

## Undergraduate Major Map

### Summer Term 2023

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

Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed). (3) See Endnotes

**Term Hours:** 4  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
General Electives			3		See advisor for list of courses
General Electives			1		Could register COP 3949 Internship Course for 1 Credit

### Fall Term 2023

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

**Term Hours:** 12  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	COP 4338	Systems Programming	3		
IT ELECTIVES			3		Selected Concentration Area, Course 2 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
General Electives			3		See advisor for list of courses.

### Spring Term 2024

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

**Term Hours:** 12  
**Cum GPA:** 2

Course Group	Course Required	Course Description	Credit Hours	Critical Indicator	Course Notes
IT Software Track Core Courses	COP 4814	Compon Software Dev	3		
Interdisciplinary Study			3		Course must meet requirement towards a Minor or Certificate Outside SCIS. (A) See Endnotes
General Electives			3		See advisor for list of courses.
General Electives			3		See advisor for list of courses.

## General Requirements

\*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

See your Panther Degree Audit (PDA) for a real-time update on your academic career progress and additional information on University and major requirements at <http://my.fiu.edu>

## Undergraduate Major Map

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(1) UCC: Students must meet the University Core Curriculum (UCC) requirements. For a full list of UCC courses, see <http://undergrad.fiu.edu/advising/pdfs/ucc-new.pdf> or speak with your advisor. UCC courses must be taken for a letter grade and may not be taken at other institutions without permission from the Dean of Undergraduate Education.

(2) Global Learning: Freshmen entering FIU Summer B 2010 or later must take at least two Global Learning (GL) designated courses at FIU. See <http://goglobal.fiu.edu>. Courses must be:

- 1 Global Learning Foundations (University Core Curriculum) course, which must be taken within the first 60 credits.
- 1 Global Learning Discipline-Specific course (3000/4000 level)

(3) Summer Hours Requirement: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours are required to earn at least nine credit hours prior to graduation by attending one or more summer terms at a university in the SUS.

(4) Gordon Rule with Writing Requirement: Students are required to demonstrate college-level writing skills through six semester hours of Gordon Rule Writing-designated courses (GRW). Students can select any two GRW designated courses in the UCC. These courses can be from the same or different categories. A grade of 'C' or better is required. This requirement must be fulfilled within the first 60 credits.

(5) Foreign Language Requirement for Graduation (FLENT/FLEX): A student who did not complete two years of the same foreign language in high school or at a post-secondary institution must successfully complete 8-10 credit hours of instruction in one foreign language prior to graduation. Exceptions include appropriate CLEP, AP, IB, TOEFL, or transfer credit. Contact your advisor for more information.

(8) Postsecondary Civic Literacy (CL): Students must demonstrate understanding of American Civics via completed course work or test credit. Consult with an advisor to determine the best option for satisfying this requirement.

This document only lists SELECTED requirements. See your Panther Degree Audit for a full list of UCC and major requirements at <http://my.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 applicable to the same minor or certificate.

(B) IT Electives: Six credits of electives are required in one area of concentration (e.g. System Administration; Network Administration; Database Administration; Application Development). 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, and Information Technology major requirements at <http://my.fiu.edu>