

DEGREE REQUIREMENTS<sup>+</sup>  
 BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CSC) – CATALOG 2021 OR LATER  
 DEPT OF COMPUTER AND INFORMATION SCIENCE AND ENGINEERING  
 COLLEGE OF LIBERAL ARTS & SCIENCES, UNIVERSITY OF FLORIDA



GENERAL EDUCATION\*\* (53 credits, 16 of which are covered by Departmental Requirements\*\*\*)<sup>‡</sup>

Composition.....3	Humanities.....9
Social and Behavioral Sciences.....9	Foreign Language Proficiency++.....0-10
Biological Sciences.....6	<i>Hours required for proficiency depend on placement.</i>

\*\*At least three (3) credit hours must be classified as “International” and three (3) credit hours classified as “Diversity”.

\*\*\*Mathematics, Physical Sciences, and part of Composition requirements are covered by departmental requirements.

<sup>‡</sup>Students who enter UF in or after Summer B 2021 are required to complete the UF Quest 1 and the UF Quest 2 requirement except if they have an A.A. from a Florida public college/state university or are in the Innovation Academy program.

DEPARTMENTAL REQUIREMENTS (73 credits)

**Critical Tracking courses are in bold.**

**Mathematics (18)**

__	MAC 2311	Analytic Geometry & Calculus 1 .....	4
__	MAC 2312	Analytic Geometry & Calculus 2 .....	4
__	MAC 2313	Analytic Geometry & Calculus 3 .....	4
__	MAS 3114	Comp. Linear Algebra (Cal 2) .....	3
__	STA 3032	Engineering Statistics (Cal 1) .....	3

**Physics (8/10)**

__	PHY 2053	Physics 1 (HS Algebra & Trigonometry) .....	4
__	PHY 2053L	Physics 1 Lab (PHY 2053) .....	1
__	PHY 2054	Physics 2 (PHY 2053) .....	4
__	PHY 2054L	Physics 2 Lab (PHY 2054) .....	1
<b>OR</b>			
__	PHY 2048	Physics w/Cal 1 (HS Physics, Cal 1; Cal 2, PHY2048L) 3	3
__	PHY 2048L	Lab for PHY 2048 (PHY 2048) .....	1
__	PHY 2049	Physics w/Cal 2 (PHY 2048; Cal 3, PHY 2049L) .....	3
__	PHY 2049L	Lab for PHY 2049 (PHY 2049) .....	1

**Communications (3)**

__	ENC 3246	Prof Comm for Eng or ENC 2210 Tech Writ .....	3
----	----------	---	---

**CS Major Courses (35)**

__	COP 3502C	Prog. Fundamentals 1 (MAC 2311) .....	4
__	COP 3503C	Prog. Fundamentals 2 (MAC 2311, COP 3502C) .....	4
__	COT 3100	App. of Discrete Struct. (MAC 2311, COP 3503C) .....	3
__	COP 3530	Data Struct. & Alg. (COP 3503C, COT 3100, Calc 2) ...	3
__	CDA 3101	Intro to Comp. Org. (MAC2311, COP 3503C, COT 3100) .....	3
__	CEN 3031	Intro to Software Engineering (COP 3530) .....	3
__	CIS 4301	Info & DB Sys Des & Dev 1(COP 3503C, COT 3100) 3	3
__	COP 4600	Operating Systems (COP 3530, CDA 3101) .....	3
__	COP 4020	Programming Language Concepts (COP 3530) .....	3
__	COP 4533	Algorithm Abstraction & Design (COP 3530) .....	3
__	CIS 4914	Sr. Project (4LS) <b>OR</b>	
__	EGN 4952	IPPD 2 (4LS, EGN 4951) .....	3

**Technical Electives (9)**

The following list includes categories of courses and is not exhaustive, nor are all courses always offered.

_	Any 4000-level CISE course (see current course sched.) .....		1-3
__	EEL 3701C	Digital Logic* .....	4
__	EEL 4744C	Microprocessor Applications* (EEL 3701C) .....	4
__	EEL 4712C	Digital Design* (EEL 3701C) .....	4
__	EEL 4713C	Digital Computer Architecture* (EEL 3701C) .....	4
__	EGN 4951	IPPD 1 .....	3
__	CIS 4930	Special Topics .....	1-3
__	EGN 4912	Engineering Undergraduate Research .....	1-3
__	CIS 4940	Internship (advisor approval) .....	1
__	CIS 4949	Co-op (advisor approval) .....	1
__	CIS 4905	Independent Study .....	3

\* EEL courses are not available for UF Online delivery.

**NOTES:**

- Courses in parenthesis are prerequisites; underlined courses are co-requisites.
- An Exit Interview is required during final semester. Please see an academic advisor for details.
- COP 3054C may replace COP3502C and COP3503C if students have prior programming experience. If a student opts for COP 3504C, an additional 4 credit hours of electives is required.

**ELECTIVES (10 credits)**

<sup>+</sup>Minimum Total Hours.....120++