

DEGREE REQUIREMENTS⁺
 BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CSE) – CATALOG 2021 AND LATER
 DEPT OF COMPUTER AND INFORMATION SCIENCE AND ENGINEERING
 COLLEGE OF ENGINEERING, UNIVERSITY OF FLORIDA



GENERAL EDUCATION** (36 credits, 20 of which are covered by Departmental Requirements***)[‡]

Social and Behavioral Sciences	6	Hum. or Soc./Beh. Sci. or Phy./Bio. Sci.	4
Humanities	6		

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

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

[‡]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 (104 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)

__PHY 2048	Physics w/Cal 1 (HS Physics, Cal 1; Cal 2, PHY2048L) 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 (6)

__ENC 3246	Professional Communications for Engineers	3
__Additional	Writing/Public Speaking course (approved list) ..	3

Interdisciplinary Electives (14) (choose one option)

Option A*: 14 credits applicable toward formal minor and not counting for other requirements; completion of minor not required if it exceeds 14 credits.

* If completed minor contributes less than 14 credits, remaining credits can be fulfilled with additional 3000-level coursework in the area of the minor, 3000-level CISE courses, or 3000-level Engineering courses.

Option B: 14 credits in a concentration area outside of CISE at 3000-level or higher (advisor approval required).

Option C: 14 credits arranged with a department of interest which does not offer a formal minor.

General Elective (1)

Any course credit not applied to another requirement will meet this requirement.

Computer Science Major Courses (38)

__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	
__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
__CNT 4007	Comp. Network Fund. (COP 4600)	3
__CIS 4914	Sr. Project (4EG) OR	
__EGN 4952	IPPD 2 (4EG, CIS 4912C)	3

⁺Minimum Total Hours..... 120

Ethics (1)

__EGS 4034	Professional Ethics (4EG+)	1
OR CGS 3065	Legal & Social Issues in Computing (F)	3

Technical Electives (18)

14 hrs must be CISE courses. The following list includes categories of courses and is not exhaustive, nor are all courses always offered.

CISE Categorized Course Options

__Any 4000-level CISE course (see current course sched.) ...		1-3
__CIS 4930	Special Topics	3
__EGN 4912	Engineering Undergraduate Research	1-3
__CIS 4930	Special Topics	3
__CIS 4940	Internship (advisor approval)	1
__CIS 4905	Independent Study	3
1) EEL 3701C, EEL 4744C		
2) Students may take up to two (2) 3000-level CAP courses		
3) MAP 2302		

Non-CISE Categorized Course Options

- 1) EIN 4354
- 2) Any 4000-level or higher ECE or PHY course not taken to fulfill some other requirement, excluding EEL 4834 and most CGS courses.
- 3) Any 4000-level math or statistics course with the prefix STA, MAA, MAD, MAP, MAS or MHF not fulfilling another requirement.
- 4) Students may take up to one (1) of EGN/S 4038, 4641, or 4643.

NOTES:

- Students must complete all Critical Tracking courses with a C or better within two attempts (W counts as an attempt) within 5 semesters, while maintaining a 2.5 tracking GPA. Must maintain UF and CISE GPA of 2.0.
- Students who do not meet requirements above will be placed on academic probation and will be required to sign a probation contract with a CISE advisor. Students are normally given two terms to raise their GPAs or remove their deficit points; however, students who do not satisfy the conditions of the first term of probation may be dismissed from the department.
- ENC 3246 must be completed with a C or better. A grade of C- or lower will not fulfill degree requirements.
- A minimum grade of C is required in all prerequisites to required courses: COP 3502C, COP 3503C, CDA 3101, COP 3530, COP 4600, COT 3100 and MAS 3114.
- 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.
- CGS 3065 will count for both the Ethics requirement and 3 credits of Technical Electives.
- 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.