

DEGREE REQUIREMENTS ⁺
BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CSE) – CATALOG 2016 AND LATER
DEPT OF COMPUTER AND INFORMATION SCIENCE AND ENGINEERING
COLLEGE OF ENGINEERING, UNIVERSITY OF FLORIDA

CSE

GENERAL EDUCATION (36 credits, 18 of which is covered by Departmental Requirements)***

Composition (includes ENC 3246).....3	Humanities (includes IDS 1161 Good Life).....6
Social and Behavioral.....6	International and Diversity**.....6

**Courses selected will also fulfill the General Education requirement in Social and Behavioral (S) or Humanities (H).

***The Mathematics, Physical Sciences, and Biological Sciences requirements are covered by the departmental requirements below.

DEPARTMENTAL REQUIREMENTS

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

Chemistry (4)

CHM 2045 Gen Chemistry (CHM 1025; pass chem. readiness)	3
CHM 2045L Lab for CHM 2045 (CHM 2045)	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 to ID Electives, remaining credits can be fulfilled with additional 3K coursework in the area of the minor, 3K level CISE courses, or 3K Engineering courses.

Option B: 14 credits in 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.

Computer Science Major Courses (39)

COP 3502 Prog. Fundamentals 1 (MAC 2311)	3
COP 3503 Prog. Fundamentals 2 (MAC 2311, COP 3502)	3
COT 3100 App. of Discrete Structures (MAC 2311, COP 3503)	3
COP 3530 Data Struct & Algorithms (COP 3503, COT 3100, Cal 2)	4
CDA 3101 Intro Comp Organization (MAC2311, COP 3503, COT 3100)3	
CEN 3031 Intro to Software Engineering (COP 3530)	3
COT 4501 Numerical Analysis (COP 3504/03, MAS3114)	3
OR MAD 4401 Int. Num. Anlys. (MAS 3114)	3
COP 4600 Operating Systems (COP 3530, CDA 3101)	3
CNT 4007C Comp. Network Fund. (COP 4600)	4
CIS 4914 Sr. Project or CIS 4913C-IPPD 2 (4EG)	3
CIS 4301 Info & DB Sys Dsgn & Dev 1(COP 3503, COT 3100)	3
EEL 3701C Digital Logic & Computer Systems (COP 3503)	4

Ethics (1)

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

Technical Electives (15) - 11 hrs must be CISE courses**

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.)....3	
CIS 4930 Special Topics	3
EGN 4912 Engineering Undergraduate Research.....1-3	
CIS 4940 Internship (advisor approval)	1
CIS 4949 Co-op (advisor approval)	1
EIN 4354 Engineering Economy.....3	

Electives also may be:

- 1) Any 4000-level or higher ECE or PHY course not taken to fulfill some other requirement, excluding EEL 3003, EEL 4834, and most CGS courses.
- 2) MAP 2302 or any 4000-level math or statistics course with the prefix STA, MAA, MAD, MAP, MAS or MHF not taken to fulfill any other requirement.
- 3) Students may take up to two (2) 3000-level CAP courses
- 4) Students may take up to one (1) of the following:
EGN/S 4038, 4641, or 4643,

NOTES:

- Students must complete all Critical Tracking (**bold**) 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 gpa's 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, EEL 3701C, and COP 3503 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 other courses that are prerequisites to a required course: CDA 3101, COP 3503, 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 cr of Technical Elective.