

DEGREE REQUIREMENTS⁺
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (CEN)
FOR STUDENTS ENTERING CATALOG YEAR 1999 OR LATER
COLLEGE OF ENGINEERING, UNIVERSITY OF FLORIDA

FRESHMAN YEAR

Semester 1—Fall

If you do not place out of ENC 1101, take it this semester.

MAC 2311 Analytical Geometry & Calc 1 (GE-M)	4
CHM 2045 General Chemistry (GE-P)	3
CHM 2045L General Chemistry Lab (GE-P)	1
Humanities (GE-H)	3
Social/Behavioral Science (GE-S)	3
Total	14

Semester 2—Spring

MAC 2312 Analytical Geometry & Calc 2 (GE-M)	4
PHY 2048 Physics with Calc 1 (GE-P)	3
PHY 2048L Physics Lab (GE-P)	1
CIS 3022 Programming for CIS Major 1 (CISE Prgm Elective) ..	3
CHM 2046 Gen. Chemistry OR a 2000-Level Gen-Ed (B) or (P)	3
Total	14

Semester 3—Summer

CIS 3023 Programming for CIS majors 2 (GE-M)	3
PHY 2049 Physics with Calc 2 (GE-P)	3
PHY 2049L Physics Lab (GE-P)	1
Social/Behavioral Science (GE-S)	3
Total	10

SOPHOMORE YEAR

Semester 4—Fall

MAC 2313 Analytical Geometry & Calc 3 (GE-M)	4
COT 3100 Applications of Discrete Structures	3
EEL 3701C Digital Logic & Computer Systems	4
ENC 3254 Professional Comm. for Eng. (GE-C, GE-6)	3
Total	14

Semester 5—Spring

MAP 2302 Differential Equations	3
CDA 3101 Intro to Computer Organization	3
EEL 3111C Circuits 1	4
Humanities (GE-H)	3
Total	13

Semester 6—Summer

COP 3530 Data Structures & Algorithms	4
EEL 3304C Electronic Circuits 1	4
OR EEL 3135 Signals and Systems	3
Humanities or Social/Behavioral Science (GE-H or GE-S)	3
Total	10/11

- **Critical Tracking Criteria:**
Critical tracking courses for semesters 1-4 appear in bold; these courses must be completed with a combined GPA of 2.5 or higher. For additional tracking requirements please refer to the College of Engineering section in the Undergraduate Catalog.
- Students with an initial course load of 15 credits or more during the Fall and Spring semesters will be permitted to drop a course without penalty provided this is done by the end of the seventh week and the total credits remaining are 12 or more. See an advisor for the summer rule.

JUNIOR YEAR

Semester 7—Fall

EEL 4712C Digital Design	4
Engineering Core	2/3
MAS 3114 Computational Linear Algebra OR MAS 4105 Linear Algebra 1	3/4
STA 3032 Engineering Statistics	3
Total	12/14

Semester 8—Spring

EEL 4744C Microprocessor Applications	4
COT 4501 Numerical Analysis	3
Engineering Core	3
Technical Elective	3
Total	13

Summer Semester

Pursue Internship/Co-op if desired

SENIOR YEAR

Semester 9—Fall

COP 4600 Operating Systems	3
CEN 3031 Intro to Software Engineering	3
Technical Electives	6
Total	12

Semester 10—Spring

CEN 4500C Computer Network Fundamentals	4
CIS 4914 Sr. Project or CIS 4913C-IPPD 2 (4EG)	3
EGN 4032 Professional Issues	1
Technical Electives	6
Total	14

TOTAL HOURS REQUIRED FOR DEGREE 126

ACM:

For information on joining the Association for Computing Machinery, visit their web site at www.acm.cise.ufl.edu, or send e-mail to acm@cise.ufl.edu. If you would like to participate in any ongoing discussions, please subscribe to acm-discuss@cise.ufl.edu and if you are interested in receiving announcements of corporate info sessions, job/internship postings, programming competitions and upcoming speakers, please subscribe to acm-announce@cise.ufl.edu.

Honors:

In order to graduate cum laude a student must attain an upper division GPA of 3.3 or higher. A 3.5 upper division GPA is required for magna cum laude and a 3.8 for summa cum laude. In order to receive magna or summa cum laude designations a student must complete an honors project and submit a written thesis based on the research performed for that project. For more information on graduating with honors please contact Kevin Austin in CSE E405 the semester before you graduate.

CISE DEPT. WEB SITE: www.cise.ufl.edu

Please visit our web site for information about professors and course syllabi.

CISE DEPT. ADVISING WEB SITE: www.cise.ufl.edu/academics

Please visit our web site for information on degree programs.