

**DEGREE REQUIREMENTS<sup>+</sup>**  
**BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CSE)**  
**FOR STUDENTS ENTERING CATALOG YEAR 2005 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.

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

*Semester 2—Spring*

<b>MAC 2312 Analytical Geometry &amp; Calc 2 (GE-M)</b> .....	4
<b>PHY 2048 Physics with Calc 1 (GE-P)</b> .....	3
PHY 2048L Physics Lab (GE-P) .....	1
CIS 3022 Programming for CIS Major 1 (CISE Prgm Elective) ..	3
Interdisciplinary Elective .....	3
Total	14

*Semester 3—Summer*

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

SOPHOMORE YEAR

*Semester 4—Fall*

<b>MAC 2313 Analytical Geometry &amp; Calc 3 (GE-M)</b> .....	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*

<b>MAP 2302 Differential Equations</b> .....	3
CDA 3101 Intro to Computer Organization .....	3
Interdisciplinary Elective .....	3
Humanities (GE-H) .....	3
Total	12

*Semester 6—Summer*

COP 3530 Data Structures & Algorithms .....	4
Humanities or Social/Behavioral Science (GE-H or GE-S) .....	3
Total	10

- **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*

CIS 4301 Info & Database System Design and Dev. 1 .....	3
Interdisciplinary Elective .....	3
MAS 3114 Computational Linear Algebra	
<b>OR</b> MAS 4105 Linear Algebra 1 .....	3/4
STA 3032 Engineering Statistics .....	3
Total	12/13

*Semester 8—Spring*

Communications Course .....	3
COT 4501 Numerical Analysis .....	3
Interdisciplinary Elective .....	3
Technical Elective .....	3
Total	12

*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
CGS 3065 Legal and Social Issues .....	3
Technical Elective .....	3
Total	12

*Semester 10—Spring*

CEN 4500C Computer Network Fundamentals .....	4
CIS 4914 Sr. Project or CIS 4913C-IPPD 2 (4EG) .....	3
Interdisciplinary Elective .....	3
Technical Electives .....	3
Total	13

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](http://www.acm.cise.ufl.edu), or send e-mail to [acm@cise.ufl.edu](mailto:acm@cise.ufl.edu). If you would like to participate in any ongoing discussions, please subscribe to [acm-discuss@cise.ufl.edu](mailto: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](mailto: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.

**CISE DEPT. WEB SITE:** [www.cise.ufl.edu](http://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](http://www.cise.ufl.edu/academics)

Please visit our web site for information on degree programs.