Department of Electrical Engineering and Computer Science
Computer Science Catalog 2024

NOTE: COSC 101* (3) FA, SP see footnote below

Fall 14 -15 hours	**COSC 102 (4) FA, SP, SU** Prereq- COSC 101 with C or better Coreq- Math 132 or 141 or 147 with C or better	**Math 132 or 141 or 147 (3-4) (QR) FA,SP,SU** Math 132 Prereq- Math 131 Math 141 Prereq- ACT Math 28 or SAT Math 660	**EF 142 or 151 or 157 (4) (EI) FA, SP** EF 142 Prereq- EF 141 with C- or better and Math 131 EF 142 Coreq- Math 132 EF 151 Coreq- 141/147 or higher and EF 105 or COSC 101 or COSC 102	**English 101 or 131 (3) FA, SP, SU** 101 Standard; 131 English as Second Language	
Spring 15 hours	**COSC 202 (4) FA, SP** Prereq- COSC 102 with grade of C or better	**Math 142 or 148 (4) (QR) FA, SP, SU** Prereq- Math 132 or 141 or 147 with C or better	**EF 152 or 158 (4) (EI and NS) FA, SP, SU** Prereq-EF 142/151/157 with C or higher Coreq- Math 142 or 148	**COSC 230 (3) FA, SP** Prereq- COSC 102 with grade of C or better	
Fall 16-17 hours	**COSC 302 or 307 (4) FA, SP** Prereq- COSC 202 with grade of C or better	**COSC 311 or 317 (3) FA, SP** Prereq- COSC 202 and Math 142 or 148 C or better	**Math 251 or 257 (3) FA, SP, SU** Prereq- Math 142 or 148 with grade of C or better	**Biology 101 or 104 or 150/158 (3-4) (NS)FA,SP** **Chem.102 and 103 or 122&123 or 128 (4)(NS) FA, SP** **or Physics 231 (3) (NS)FA, SP, SU**	**English 102 or 112 or 298 or 132 (3) FA, SP, SU** 102 Prereq 101; 112 Prereq is AP 101 and Test Scores; 298 Prereq University Honors only; 132 Prereq 131 ESL
Spring 16 hours	**COSC 360 or 367 (4) FA, SP** Prereq- COSC 302 or 307 with C or better and COSC 230 or ECE 256 with grade of C or better	**COSC 312 (3) FA, SP** Prereq- COSC 311 or 317 with grade of C or better	**Select one: ECE 313 or 317or Stats 251 or Math 323 (3) FA, SP** ECE prereq - Math 142 or 148 with grade of C or better Stats Prereq- Math 142 or 148; Math 323 prereq Math 241/247, Math 300	**Vol Core (3) FA, SP, SU** Global Citizenship United States (GCUS)	**Vol Core (3) FA, SP, SU** Social Science (SS)
Fall 16 hours	**Vol Core (3) FA, SP, SU** Arts and Humanities (AH)	**COSC 340 (3) FA, SP** Prereq- COSC 302 or 307 with grade of C or better	**Select 2 courses: COSC 325, 361, 362, 366 (3); FA, SP** 362 prereq- ECE 313 or Math 323 or Stat 251 and COSC 302 with C or better; 361 Prereq-COSC 360/367 with C or better; 362 prereq- 360 with C or better 366 prereq- COSC 302/307 with C or better and either ECE 256 or COSC 230 with C or better	**COSC 395 (1) (WC) FA, SP** Prereq- COSC 302 or 307 with grade of C or better and English 102, 112, 132, or 298	**COSC Upper Division Elective** (3) FA,SP,SU**
Spring 15 hours	**COSC 365 (3) FA, SP** Prereq- COSC 320 or 307 with grade of C or better	**COSC Upper Division Elective (3) FA,SP,SU**	**COSC Upper Division Elective (3) FA,SP,SU**	**Select One: English 355 or 360 (WC) (3) FA, SP, SU** Prereq- ENGL 102 or 112 or 132 or 298 For ENGL 360- Minimum student level junior	**Vol Core (3) FA, SP, SU** Global Citizenship International (GCI)
Fall 14 hours	**COSC 401 (2) (OC) FA** Prereq- COSC 360 or 367 with grade of C or better	**COSC Upper Division Elective (3) FA, SP, SU**	**COSC Upper Division Elective(3) FA, SP, SU**	**Vol Core (3) (EI)** FA, SP, SU** **Engaged Inquiry** - choose from approved list in catalog	**Vol Core (3) FA, SP, SU** **Expanded Perspectives**- choose from AH, AAH, GCUS, GCI, or SS
Spring 15 hours	**COSC 402 (3) (AOC) SP** Prereq- COSC 401; English 102, 112, 132, or 298 with grades of C or better	**COSC Upper Division Elective(3) FA, SP, SU**	**COSC Upper Division Elective (3) FA, SP, SU**	**COSC Upper Division Elective (3) FA, SP, SU**	**Vol Core (3) FA, SP, SU** **Expanded Perspectives**- choose from AH, AAH, GCUS, GCI, or SS

*Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) should apply during the summer to the head of the EECS department for permission to take a proficiency exam for COSC 101. If satisfactory grade is earned , credit will be allowed for COSC 101 allowing the student to begin in COSC 102 their first term.
The EECS department also gives credit in COSC 101 to students who receive a score of 3 or better on the Computer Science A AP Exam.
For student who lack these experiences, they should take COSC 101 first term, pushing back courses indicated.

**Students should try to select courses that satisfy approved Vol Core areas AND Engaged Inquiry category. Students must have a minimum of 9 credit hours in at least two subject areas for Engaged Inquiry.

Progression

The department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the undergraduate degrees.

Progression of departmental undergraduate students to the upper-division programs of the department is competitive and is based on the space available in the department. Factors considered in the decision include overall grade point average, grades earned in courses required in the lower division curricula of the department and College of Engineering, and seriousness of purpose and interest in departmental programs as exemplified by regular and orderly progress through the prescribed curriculum without abuse of withdrawal and course repeat privileges.

Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.

Volunteer Core courses highlighted in light orange.