Computer Science Catalog 2020 CS 102 (4) FA, SP, SU* Math 141 or 147 (4) FA, SP, SU EF 151 or 157 (4) FA, SP English 101/118 or 198 or 131 (3) FA, SP, SU 15 hours Coreq- Math 132 or 141 or 147 Prereq- Math ACT 28 or Math SAT 660 Coreq- Math 132/141/147 or higher 101 Regular; 118 Honors; 198 Chancellor Honors Only; nd EF 105 or CS 101 or CS 102 Recommended background CS 101 131 English as Second Language CS 130 (4) FA, SP, SU Math 142 or 148 (4) FA SP SU EF 152 or 158 (4) FA, SP, SU English 102 or 290 or 298 or 132 (3) FA, SP, SU Spring 15 hours rereq- CS 102 with C or better Prereq- Math 132 or 141 or 147 with grade of C or Prereq-EF 151/157 with C or higher 102 Prereq 101 or 118; 290 Prereq AP 101 credit Coreq- Math 142 or 148 298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL better Fall CS 140 (4) FA, SP Gen. Ed. (3) FA, SP, SU Math 251 or 257 (3) FA, SP, SU Biology 101 or 150/158 (3-4) FA,SP 13-14 hours Prereq- CS 130 with grade of C or better Cultures and Civilizations Chemistry 100 or 120 or 128 (4) FA, SP, SU Prereg- Math 142 or 148 with grade of C or or Physics 231 (3) FA, SP, SU CS 302 or 307 (4) FA, SP CS 311 or 317 (3) FA, SP ECE 313 or 317 (3) FA, SP Gen. Ed. (3) FA, SP, SU Gen. Ed. (3) FA, SP, SU Spring Prereq- CS 140 with grade of C or better Prereq- CS 140 and Math 142 or 148 C or better Prereq - Math 142 or 148 with grade of C or better 16 hours

Prereq- CS 302 or 307 with grade of C or better

CS Upper Division Elective** (3) FA. SP. SU

General Elective (3) FA, SP, SU

Any course on the transcript not

ready used in the DARS audit.

Spring	CS 361 (3) FA, SP	CS 365 (3) FA, SP	CS 366 (3) FA, SP	CS 395 (1) FA, SP	CS Upper Division Elective** (3) FA,SP,SU	Gen. Ed. (3) FA, SP, SU
16 hours	Prereq- CS 360 or 367 with C or better	Prereq- CS 302 or 307 with grade of C or better	Prereq- CS 360 or 367 with grade of C or better	Prereq- CS 302 or 307 with grade of C or better		Cultures and Civilizations
Fall	CS 401 (2) FA	CS Upper Division Elective **(3) FA, SP, SU	CS Upper Division Elective **(3) FA, SP, SU	English 355 or 360 (WC) (3) FA, SP, SU	Gen. Ed. (3) FA, SP, SU	
14 hours	Prereq- CS 360 or 367 with grade of C or better			Prereq- ENGL 102 or 118	Arts and Humanities	
				For ENGL 360- Minimum student		
				level junior		
Spring	CS 402 (3) (OC & WC) SP	CS Upper Division Elective **(3) FA, SP, SU	CS Upper Division Elective **(3) FA, SP, SU	Gen. Ed. (3) FA, SP, SU	General Elective (3) FA, SP, SU	\neg
Spring	Prereq- CS 401; English 102, 132, 290 or 298	C3 Opper Division Lieutive (3) FA, 3F, 30	C3 Opper Division Elective (3) FA, 3F, 30	Social Science	* * * * * * * * * * * * * * * * * * * *	
				Social Science	Any course on the transcript not	
15 hours	with grades of C or better				already used in the DARS audit.	

CS 340 (3) FA SP

Department of Electrical Engineering and Computer Science

The following list shows an acceptable set of electives that may be taken to statisfy the upper division electives for the CS major. The electives have been grouped into 7 suggested tracks. The tracks group related electives that a student may wish to take in order to achieve a level of expertise in the indicated area. However, it is not mandatory to take any track and students are free to mix and match courses from different tracks to fit their specific interests:

Computer Science 493 and 494 may be taken to satisfy the upper division electives. Up to two (2) Computer Science 5xx or Electrical Computer Engineering 5xx courses may count as upper division electives.

Progression

Fall

16 hours

CS 360 or 367 (4) FA SP

grades of C or better

Prereq- CS 130 and 302 or 307 with

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.

CS 312 (3) FA SP

Prereq- CS 311 or 317 with grade of C or better

^{*}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) are invited to apply during the summer to the head of the EECS department for permission to take a proficiency exam for COSC 102. The EECS department also gives credit in COSC 102 to students who receive a score of 5 on the computer science AP Exam.