☐ SP23	FA23

AH, AAH, GCUS, GCI, or SS

SP24

Department of Electrical Engineering and Computer Science Computer Engineering Catalog 2022 E 142 or 151 or 157 (4) (EI) FA, SP Coreg- Math 132/141/147 or higher at 132 or 141 or 147 (3-4) (QR) FA,SP,SU English 101/18 or 198 or 131 (3) FA, SP, SU 101 Regular; 118 Honors; 198 Chancellor Honors Only; COSC 101* (3) FA, SP 14 hours rereg- Math 141 is ACT Math 28 or SAT Math 660 Prereq-Math 132 is Math 131; C or better grades and EF 105 or CS 101 or CS 102 131 English as Second Language COSC 102 (4) FA, SP, SU Spring Math 142 or 148 (4) (QR) FA, SP, SU F 152 or 158 (4) (EI and NS) FA, SP, SU English 102 or 299 or 298 or 132 (3) FA, SP, SU ath 132 or 141 or 147 with C or better FF 142/151/157 with C or higher Prereg- COSC 101 with C or better 102 Prereq 101 of 118; 290 Prereq AP 101 credit tel 298 Prereg Chancellor Honors only & 198; 132 Prereg 131 ESL 15 hours Math 142 or 148 with C or higher Coreg- Math 132 or 141 or 147 with C or be Fall Math 231 or 237 (3) FA, SP, SU ECE 201 (3) FA, SP COSC 202 (4) FA, SP Physics 231 (3) FA, SP, SU ECE 255 (3) FA, SP Math 142 or 148 grade of C or F 152/158 and Math 142/148 grades C SC 102 with grade of C or better 135 or EF151 and 152 OSC 102 with grade of C or 16 hours Prereg-Coreg- Main 142 or 148 , consent of Assoc, Dept. Head Math 241 or 247 (4) FA. SP. SU CE 202 (3) FA.SP. SU Math 251 or 257 (3) FA. SP. SU ECE 256 (3) FA. SP Chem 122 (3) and 123(1) or 128 (4) (NS) FA. SP. SU Spring rereq- ECE 201 with grade of C or better 17 hours ath 142 or 148 grade of C or Prereq- Math 142 or 148 grade of C or Prere CF 255 with grade of Prereg-Math 1 recommended background ECE 351 or 357 (3) FA. SP ECE 335 (3) FA. SP COSC 302 or 307 (4) FA. SP ECE 313 or 317 (3) FA. SP ECE 395 (1) (WC) FA. SP Vol Core (3) FA. SP. SU Fall rereq- ECE 202 with grade of C or better SC 202 with grade of C or better Prereg- Math 142 or 148 with Prereq- ECE 202 with grade of C or Global Citizenshi United States (GCUS) 17 hours Prereg-ECE 255 with grade of C or better petter and English 102, 132, 290 or 298 grade of C or better Spring ECE 315 (3) FA, SP COSC 311 or 317 (3) FA, SP COSC 360 or 367 (4) FA, SP ECE 356 or 358 (3) FA, SP Vol Core (3) FA, SP, SU 16 hours Prereq- ECE 202 with grade of C or better Prereq- COSC 202 and Math 142 or 148 with Prereg- COSC 302 or 307 with C or better; and Prereg-ECE 256 or COSC 230 Arts and Humanities (AH) rades of C or better COSC 230 or ECE 256 with C or better with grade of C or better CE 401 (2) (OC) FA Senior Elective (3) FA, SP*** Senior Elective (3) FA, SP Fall Core Elective (3) FA. SP** Vol Core (3) FA, SP, SU Vol Core (3) FA, SP, SU Social Science (SS) Expanded Perspectives- choose from AH, AAH, GWS, GCI, or SS 17 hours Prereg- ECE 315 or 351 or 357 with rades of C or better Spring ECE 402 (3) (AOC) SP Core Flective (3) FA SP SII ** Senior Elective (3) FA, SP, SU *** Vol Core (3) FA. SP. SU Vol Core (3) FA. SP. SU Vol Core (0-3) (FI)** FA SP SII Prereg- FCF 401: FNGI 102, 132, 290, 298 Global Citizenship International (GCI) Expanded Perspectives- choose from Engaged Inquiry (5) students will try to overlap with Expanded Perspectives AND Engaged Inquiry 15-18 hours

*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 101. 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.

** Core electives, you must choose 2 courses from within the following list: COSC 340, COSC 361, COSC 366, ECE 433, ECE 455. Other courses not currently listed may count as core electives only with departmental approval. 500 level courses are mentioned as suggestions to students admitted into the Five Year BA/MS program. Up to 2 (two) COSC 5XX or ECE 5XX courses may count as core and/or senior electives

***Senior Electives, you choose 9 credit hours of computer engineering senior electives with your advisor's consent. Acceptable senior electives are ECE 4XX and COSC 4XX courses that are not otherwise required, with exception of COSC 422 that is not allowed. 500 level courses are mentioned as suggestions to students admitted into the Five Year BA/MS program. Up to 2 (two) COSC 5XX or ECE 5XX courses may count as core and/or senior electives

The department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the undergraduate degrees. ECE 201 requires a C or better in EF 152/158 and Math 142/148.

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.

with grades of C or better