		Engineering and Computer Sorgy Systems Concentration Ca				
Math 132 or 141 or 147 (3-4) (QR) FA,SP,SU	EF 142 or 151 or 157 (4) (EI) FA, SP	COSC 101* (3) FA, SP	English 101/118 or 198 or 131 (3) FA. SP. SU			
hours Prereq- Math 141 is ACT Math 28 or SAT Math 660		(4),	101 Regular; 118 Honors; 198 Chancellor Honors Only;			
Prereg-Math 132 is Math 131; C or better grades	and EF 105 or CS 101 or CS 102		131 English as Second Language			
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Math 142 or 148 (4) (QR) FA, SP, SU	EF 152 or 158 (4) (El and NS) FA, SP, SU	CS 102 (4) FA, SP, SU	English 102 or 290 or 298 or 132 (3) FA, SP, SU			
urs Prereq- Math 132 or 141 or 147 with C or better	Prereq-EF 142/151/157 with C or higher	Prereq- COSC 101 with C or better	102 Prereq 101 or 118; 290 Prereq AP 101 credit			
	Coreq- Math 142 or 148 with C or higher	Coreq- Math 132 or 141 or 147 with C or better	298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL			
Math 231 or 237 (3) FA, SP, SU	ECE 255 (3) FA, SP	Physics 231 (3) FA, SP, SU	Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU	ECE 201 (3) FA, SP		
urs Prerec- Math 142 or 148 with	Prereq- COSC 102 with a grade of	Prereg- Phys 135 or EF 151&152	Prered-Math 119: recommended	Prereg- EF 152/158 and Math 142/148 with C or bett	ter	
a grade of C or better	C or better	Coreg- Math 142 or 148	background in Math 131	Coreg- Math 231/237 with C or better. Consent of As		
			1			
Math 241 or 247 (4) FA, SP, SU	Math 251 or 257 (3) FA, SP, SU	Physics 232 (4) FA, SP	ECE 313 or 317 (3) FA, SP	ECE 202 (3) FA,SP, SU		
irs Prereq- Math 142 or 148 with	Prereq- Math 142 or 148 with	Prereq- Physics 231	Prereq- Math 142 or 148 with a	Prereq- ECE 201 with a grade of C or better		
grade of C or better	grade of C or better	Coreq- Math 241 or 247	grade of C or better			
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ECE 315 (3) FA, SP	ECE 325 (3) FA, SP	ECE 335 (3) FA, SP	ECE 341 or 347 (3) FA, SP	ECE 395 (1) (WC) FA, SP	Vol Core (3) FA, SP, SU	
urs Prereq- ECE 202 with grade of	Prereq- ECE 202 with a	Prereq- ECE 202 with a grade	Prereq- ECE 202, Math 241 or 247	Prereq- ECE 202 with grades of C or	Expanded Perspectives- choose from	
C or better	grade of C or better	of C or better	and Physics 232; C or better	better and English 102, 132, 290 or 298	AH, AAH, GCUS, GCI, or SS	
g ECE 316 (3) FA, SP	ECE 336 (3) FA, SP	ECE 342 (3) FA, SP	Vol Core (3) FA, SP, SU	Vol Core (3) FA, SP, SU		
urs Prereq- ECE 315 with grade of	Prereq- ECE 335 with C or better	Prereq- ECE 313 or 317 and 315	Social Science (SS)	Arts and Humanities (AH)		
C or better	Coreq- ECE 315 with C or better	with grades of C or better				
ECE Sr. Elective (3) FA, SP	ECE Sr. Elective (3) FA, SP	Power Elective(3) FA, SP	Vol Core (3) FA, SP, SU	ECE 401 (2) (OC) FA	Vol Core (3) FA, SP, SU	
ours Senior Elective	Senior Elective		Global Citizenship United States (GCUS)	Prereq- ECE 315 or 351 with C or better	Expanded Perspectives- choose from	
					AH, AAH, GCUS, GCI, or SS	
g Economic, Entrepeneurship	Tech. Elective(3) FA, SP	Power Elective(3) FA, SP	Vol Core (3) FA, SP, SU	ECE 402 (3) (AOC) SP	Vol Core (0-3) (EI)*** FA, SP, SU	ECE 496 (1) SP
g Economic, Entrepeneurship urs Innovation Elective (3) FA, SP	recii. Elective(3) FA, SP	FOWER Elective(3) FM, SP	Global Citizenship International (GCI)	Prerect ECE 401 and ENGL 102, 132.		Prerea- ECE 325 with C or better
			Giobai Gitzenship International (GCI)		Engaged Inquiry (EI) students will try to overlap	Prereq- EGE 325 with C or better
				290, or 298 with C or better	with Expanded Perspectives AND Engaged Inquiry	

Senior ECE electives: Choose 6 credit hours of ECE senior elective with Advisor's consent. Up to 2 COSC 5XX or ECE 5XX courses may count as upper division electives. Acceptable senior electives are ECE 4XX courses that are not otherwise required for the degree.

Power & Engergy System Electives: ECE 415, ECE 421, ECE 422, ECE 481, ECE 482, ECE 521, ECE 522, ECE 523, ECE 525.

Fown a Brighty System Declares. EXE-10, EXE-12, EXE-10, EXE-10

*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 AAP Exam.

Progression

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 required and orderly regress 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.