

Updated 8/12/2015

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Computer Engineering Orientation CPE 100 (1)	Fundamentals of Computer Science I CPE 101 (4) * CSC	Choose one: Fundamentals of Comp Sci II CPE 102 (4)* or Accelerated Intro to Comp Sci CPE 108 (4)* CSC	Fundamentals of Computer Science III CPE 103 (4)* CSC	Electric Circuit Analysis & Lab II EE 211 (3) AND EE 241 (1) (EE 112, 151; PHYS 133†, Math 244†)	Electric Circuit Analysis & Lab III EE 212 (3) AND EE 242 (1) (MATH 244; EE 211, 241)	Continuous-Time Signals & Systems EE 228 (4) (BMED 355; or EE 212, 242; Recom: MATH 241)	Digital Electronics & Integrated Circuits & Lab EE 307 (3)* AND EE 347 (1)*	Introduction to Operating Systems CPE 453 (4) (CPE 357; CPE 225 or 229 or EE 233)			Introduction to Computer Networks CPE 464 (4) (CPE 357. Recommended: STAT 312 or 321 or 350)	
Introduction to Computing CPE 123 (4) (Basic computer literacy) CSC		Digital Design CPE 133 (4) (CPE 100, 101) EE	Electric Circuit Analysis I EE 112 (2) (MATH 142; Recom: EE 111, 151)	Computer Design and Assembly Language Programming CPE 233 (4) (CPE 133) EE		Discrete Structures CSC 348 (4) (CPE 103 w/min C-)	Systems Programming CPE 357 (4) (CPE 103 w/min C-; CSC 225 or CPE 229 or 233) CSC	Capstone I CPE 350 (4) (CPE 329†)	Capstone II CPE 450 (3) (CPE 350)	Approved Technical Elective (4) *** CPE		
Electronics Manufacturing IME 156 (2) or IME 157 (4) or IME 458 (4)*	General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]	General Physics IA PHYS 141 (4) (MATH 141 w/min C-; MATH 142† or 182†) [Add'l Area B]	General Physics III PHYS 133 (4) (PHYS 131, or HNRS 131, or PHYS 141; MATH 142. Recom: MATH 241)	General Physics II PHYS 132 (4) (PHYS 131, or HNRS 131, or PHYS 141)	Modern Physics I PHYS 211 (4) (PHYS 132, 133, MATH 241)	Semiconductor Device Electronics & Lab EE 306 (3)* AND EE 346 (1)*		Programmable Logic & Microprocessor-Based Systems Design CPE 329 (4) (EE 307, 347; CPE 229, 269 or CPE 233) EE	Approved Technical Elective (4) *** CPE	Senior Project I CPE 461 (3) (CPE 350)	Senior Project II CPE 462 (2) (CPE 450)	
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/min C-) [B1]	Calculus III MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	Calculus IV MATH 241 (4) (MATH 143)	Linear Analysis I MATH 244 (4) (MATH 143)	GE (4) **	GE (4) **	Approved Elective (CSC, EE, Math or Science) (3-4) ***			Probability and Random Processes for Engineers STAT 350 (4) (MATH 241, EE 228) [B6]	Approved Technical Elective (4) *** CPE	GE (4) **
Expository Writing ENGL 133 or 134 (4)** [A1] Can be taken anytime during Freshman Year					GE (4) **		GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	
Oral Communication COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year												
	Technical Writing for Engineers ENGL 149 (4) [A3] (Completion of GE A1 with a C- or better; Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years					Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)						
15-17	16	16	18	16	16	16	16	15-16	16	18	14	
										TOTAL:	192-195	

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, B2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.

*** Refer to current catalog for course selection and restrictions.

† Course can be taken previously or concurrently.

‡ Course subject is also Home Department designation, unless noted in red.

Legend:

Course Title Course # (Units) (Prerequisite)		Major (95)
[GE Area]		Support (53-56)
Home Dept [‡]		General Ed. (44)