

Updated 8/11/2014

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) * <small>CSC</small>	Fundamentals of Comp. Sci. II CPE 102 (4)* , or Accelerated Intro to Comp Sci CPE 108 (4) * <small>CSC</small>	Fundamentals of Computer Science III CPE 103 (4)* <small>CSC</small>	Digital Design CPE 129 (3)* & CPE 169 (1)* or CPE 133 (4)* <small>EE</small>		Continuous-Time Signals & Systems EE 228 (4) (EE 212 & 242; Recom: MATH 241) <small>EE</small>		Introduction to Operating Systems CPE 453 (4) (CSC/CPE 357, and CSC/CPE 225 or CPE/EE 229 or CPE/EE 233) <small>CSC</small>	Introduction to Computer Networks CPE 464 (4) (CSC/CPE 357. Recommended: STAT 312 or 321 or 350) <small>CSC</small>		
Introduction to Computing CPE 123 (4) (Basic computer literacy) <small>CSC</small>	Discrete Structures I CSC 141 (4) (MATH 118 & 119 or equiv.; Recom: prior programming exp.)	General Chemistry for the Engineering Disciplines I CHEM 124 (4) * [B3/B4]	Electric Circuit Analysis I EE 112 (2) (MATH 142; Recom: EE 111 & 151)	Electric Circuit Analysis & Lab II EE 211 (3) & EE 241 (1) (EE 112, PHYS 133T, Math 244T)	Electric Circuit Analysis & Lab III EE 212 (3) & EE 242 (1) (MATH 244, EE 211)	Computer Design and Assembly Language CPE 229 (3)* & CPE 269 (1)* or CPE 233 (4)* <small>EE</small>	Systems Programming CPE 357 (4)* <small>CSC</small>	Capstone I CPE 350 (4) (CPE 329T)	Capstone II CPE 450 (4) (CPE 350)	Approved Technical Elective (4) *** <small>CPE</small>	
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) **	Semiconductor Device Electronics EE 306 (3)* & EE 346 (1)*	Digital Electronics and Integrated Circuits EE 307 (3)* & EE 347 (1)*	Programmable Logic and Microproc.-Based Sys Des CPE 329 (4) (EE 307&347, CPE 229&269 or CPE 233) <small>EE</small>	Approved Technical Elective (4) *** <small>CPE</small>	Approved Technical Elective (4) *** <small>CPE</small>	Senior Project II CPE 462 (2) (CPE 450)
Electronics Manufacturing IME 156 (2), or IME 157 (4), or IME 458 (4) *		General Physics IA PHYS 141 (4) (MATH 141 w/min C-; MATH 142T or 182T) [Add'l Area B]	Physics III PHYS 133 (4) (PHYS 131, HNRS 131, or PHYS 141; MATH 142. Recom: MATH 241)	Physics II PHYS 132 (4) (PHYS 131, HNRS 131, or PHYS 141)	Modern Physics PHYS 211 (4) (PHYS 132, 133, MATH 241)		Approved CSC, EE, Math or Science Elective (3-4) ***		Take concurrently: BIO 213 (2), ENGR/BRAE 213 (2) (MATH 142, Recom: CHEM 124) [B2]	Senior Project I CPE 461 (3) (CPE 350)	GE (4) **
Expository Writing ENGL 133/134 (4)** [A1] Can be taken anytime during Freshman Year					GE (4) **	GE (4) **	GE (4) **	GE (4) **	Probability and Random Processes for Engineers STAT 350 (4) (MATH 241, EE 228) [B6]	GE (4) **	GE (4) **
Oral Communication COMS 101/102 (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* (Can be taken any time after 90 earned units)					
15-17	16	16	18	16	16	16	16	15-16	16	15	18
										TOTAL:	193-196

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, 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.

† Course can be taken previously or concurrently.

¹ Course subject is also Home Department designation, unless noted in red.

Legend:

Course Title	
Course # (Units)	Major (96)
(Prerequisite)	
[GE Area]	Support (57)
Home Dept ¹	General Ed. (40)