

Updated 10/19/16

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Computing CSC/CPE 123 (4) <small>(Basic computer literacy)</small>	Fundamentals of Computer Science I CSC/CPE 101 *	Choose one: Fund of CSC II CSC/CPE 102 or Accelerated Intro. to CSC CSC/CPE 108 (4)*	Fundamentals of Computer Science III CSC/CPE 103 (4) *	Systems Programming CSC/CPE 357 (4) *		Professional Responsibilities CSC/CPE 300 (4) <small>(CSC/CPE 357, Jr. Standing)</small>					
		General Psychology PSY 201/202 (4) [D4]	Introduction to Computer Organization CSC 225 (4) <small>(CSC/CPE 102)</small>	Discrete Structures CSC 348 (4) <small>(CSC/CPE 103 w/min C-, or Instr. consent)</small>	Engineering Economics IME 314 (3) <small>(MATH 241)</small>	Individual Software Design and Development CSC 305 (4) <small>(CSC/CPE 357)</small>					
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) <small>(MATH 141 w/min C-)</small> [B1]	Calculus III MATH 143 (4) <small>(MATH 142 w/min C-)</small> [Add'l Area B]	Calculus IV MATH 241 (4) <small>(MATH 143)</small>	Linear Analysis I MATH 244 (4) <small>(MATH 143)</small>	Statistical Methods For Engineers STAT 312 (4) <small>(MATH 142)</small> [B6]	Software Engineering I CSC/CPE 308 (4) <small>(CSC/CPE 357; CSC 141 or CSC 348)</small>	Software Engineering II CSC/CPE 309 (4) <small>(CSC/CPE 308)</small>	Programming Languages I CSC/CPE 430 (4) <small>(CSC 349, CSC/CPE 357)</small>	Software Requirements Engineering CSC/CPE 402 (4) <small>(CSC/CPE 307 or 309)</small>	Software Construction CSC/CPE 405 (4) <small>(CSC/CPE 305 & 402)</small>	Software Deployment CSC/CPE 406 (4) <small>(CSC/CPE 405)</small>
Expository Writing ENGL 133 or 134 (4)** [A1] <small>Can be taken anytime during Freshman Year</small>			Select one of the "Physical Science Support Electives" Series (12 units): Physics I PHYS 141 (4)* [B3/B4] Physics II PHYS 132 (4)* [Add'l Area B] Physics III PHYS 133 (4)*			Design and Analysis of Algorithms CSC 349 (4) <small>(CSC 141 or 348, & MATH 142; or CSC/CPE 103 & MATH 248)</small>	GE (4) **	User-Centered Interface Design & Development CSC/CPE 484 (4) <small>(Jr. standing, CSC/CPE 307 or 308)</small>	Approved Technical Elective (4) ***	Senior Project Lab I CSC 491 (2) <small>(CSC /CPE 307 or 309; Instr. consent)</small>	Senior Project Lab II CSC 492 (2) <small>(CSC 491, Instr. consent)</small>
Oral Communication COMS 101 or 102 (4)** [A2] <small>Can be taken anytime during Freshman Year</small>			OR Chemistry I CHEM 124 (4)* [B3/B4] Chemistry II CHEM 125 (4)* [Add'l Area B] Chemistry III CHEM 126 (4)*			Approved Technical Elective (4) ***		Approved Technical Elective (4) ***	Approved Technical Elective (4) ***	Approved Technical Elective (4) ***	Life Science Support Elective (4-5)[†] [Add'l Area B]
GE (4) **	GE (4) **			GE (4) **		Teamwork PSY 350 (4) <small>(GE D4)</small> OR Group Dynamics PSY 351 (4) <small>(PSY 252 or 323)</small>		GE (4) **	Math Elective (Choose one): MATH 248, 304, 335, 336, or 451 (4) *	GE (4) **	GE (4) **
	Technical Writing for Engineers ENGL 149 (4) [A3] <small>(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</small>					Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small>					
16	16	16	16	16	15	16	16	16	16	14	14-15
										TOTAL:	187-188

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. 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, or D3.

*** Refer to current catalog for course selection.

† Course can be taken previously or concurrently.

[†] Select 4-5 units from the following: BIO 111, BIO 161, BIO 213 & BMED 213, BOT 121, MCRO 221, or MCRO 224.

Legend:

Course Title	
Course # (Units)	Major (92)
(Prerequisite)	Support (59-60)
[GE Area]	General Ed. (36)