

Updated 6/16/2021

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Computing <b>CPE/CSC 123 (4)</b> (Basic computer literacy)	Fundamentals of Computer Science <b>CSC/CPE 101 (4)</b> *	Data Structures <b>CSC/CPE 202 (4)</b> (CPE/CSC 101; MATH 141 or 221 w/min C-, Instr. consent)	Proj-Based Object-Oriented Programming & Design <b>CSC/CPE 203 (4)</b> (CSC/CPE 202 w/min C- or Instr. consent)	Computer Architecture <b>CSC/CPE 315 (4)</b> (CSC/CPE 102 & 103, or 202 & 203; CSC 225, CPE/EE 229, or CPE/EE 233)		Programming Languages <b>CSC 430 (4)</b> (CSC 349; CSC/CPE 357)		Introduction to Operating Systems <b>CSC/CPE 453 (4)</b> (CSC/CPE 357; 225 or CPE/EE 229 or 233)			
					Systems Programming <b>CSC/CPE 357 (4)</b> (C- or better in CSC/CPE 102 & 103, or 202 & 203, or Instr. consent; CSC 225 or CPE/EE 229 or 233)						
			Introduction to Computer Organization <b>CSC 225 (4)</b> (CSC/CPE 202)			Professional Responsibilities <b>CSC 300 (4)</b> (Area A3; CSC/CPE 357; Jr Standing)		CHOOSE ONE Ethics, Science & Tech <b>PHIL 323 (4)</b> *			
		Life Science Support Elective <b>(4)^1</b> [B2]	Additional Science Support Elective <b>(4)^3</b> [Area B Elective]	Discrete Structures <b>CSC 248 (4)</b> (CSC/CPE 102 & 103, or 202 & 203, w/min C- or Instr. consent)	Design & Analysis of Algorithms <b>CSC 349 (4)</b> (CPE/CSC 102 & 103 or 202 & 203; MATH 142; & CSC 348, 348, or MATH 248)		CHOOSE ONE: <b>CSC 321(4)</b> <b>CSC 323 (4)</b> <b>CSC 325 (4)</b> *	General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum MATH/STAT Support Elective <b>(4)^2</b> *	Choose One Series: Senior Project I & II <b>CSC 491 (2)</b> (CSC 307 or 309; Instr. consent) OR <b>CSC 492 (2)</b> (CSC 491; Instr. consent)	
Calculus I <b>MATH 141 (4)</b> * [B4]	Calculus II <b>MATH 142 (4)</b> (MATH 141 w/min C-) [B4]	Calculus III <b>MATH 143 (4)</b> (MATH 142 w/min C-) [Area B Elective]	Choose one: Linear Math <b>MATH 206 (4)</b> (MATH 143) OR <b>MATH 244 (4)</b> (MATH 143)					General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum MATH/STAT Support Elective <b>(4)^2</b> *	Research Senior Project I & II <b>CSC 497 (2)</b> (CSC 307 or 309; Instr. consent) OR <b>CPE 498 (2)</b> (CSC 497; Instr. consent)	
		Expository Writing <b>ENGL 133/134 (4)**</b> [A2]		Physical Science Support Electives (12 units)^ Physics IA, II, & III <b>PHYS 141 (4)*</b>   <b>PHYS 132 (4)*</b>   <b>PHYS 133 (4)*</b> [B1 & B3]			CHOOSE ONE Series: Intro Software Engineering & Elective General Curriculum <b>CSC 307 (4)</b> (CSC 248 or 348; CPE/CSC 357) Technical Elective <b>(4)*</b>		General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum Technical Elective <b>(4)^3</b> *
		Oral Communication <b>COMS 101/102 (4)**</b> [A1]		Chemistry I, II, & III <b>CHEM 124 (4)*</b>   <b>CHEM 125 (4)*</b>   <b>CHEM 126 (4)*</b> [B1 & B3]			Software Engineering I & II <b>CSC 308 (4)</b> (CSC 248 or CSC 348)		General Curriculum Technical Elective <b>CPE 309 (4)</b> (CSC 308; CSC/CPE 357)	General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum Technical Elective <b>(4)^3</b> *
		Reasoning, Argumentation, & Writing [A3] <b>COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGS 145 (4)**</b> (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.			Choose one: <b>PHIL 230 OR PHIL 231 (4)</b> [C2] (Completion of GE Area A w/ min C-)			Gender, Race, Culture, Science, and Tech <b>WGS/ES 350 (4)*</b>		General Curriculum Technical Elective <b>STAT 312 (4)</b> * [Upper-Division B]	General Curriculum Technical Elective <b>(4)^3</b> *
							CHOOSE ONE Gender, Race, Class, Nation In Global... <b>WGS/ES 351 (4)*</b>		General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum Technical Elective <b>(4)^3</b> *	General Curriculum Technical Elective <b>(4)^3</b> *
							GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
							Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)				
16	16	16	16	12	16	16	12	16	16	14	14
										TOTAL:	180

**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, A3, C1, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, E, and F. Upper-Division C 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: C1, Upper-Division C, D1, D2, Upper-Division D, or E.

\*\*\* Refer to current catalog for course selection.

^ Cannot double count units.

† Course can be taken previously or concurrently.

<sup>1</sup> Select 4 units from the following "Life Science" Support Electives: BIO 111, 161, 213 & BMED 213; BOT 121; MCRO 221.

<sup>2</sup> Select 4 units from the following "MATH/STAT Support Electives": MATH 241, 248, 306, 335, 336, 437, 470; STAT 323, 324, 330, 331, 334, 416, 418, 419, 434.

<sup>3</sup> Select 4 units from the following "Additional Science" Support Electives: BIO 111, 161; BOT 121; CHEM 124; MCRO 221, 224; PHYS 141.

**Legend:**

Course Title	
Course # (Units)	Major (92)
(Prerequisite)	Support (48)
[GE Area]	General Ed. (40)