

Updated 6/14/2017

FRESHMAN			SOPHOMORE		JUNIOR		SENIOR				
Fall	Winter	Spring	Fall	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Introduction to Computing CPE/CSC 123 (4) (Basic computer literacy)	Fundamentals of Computer Science CSC/CPE 101 (4) *	Data Structures CSC/CPE 202 (4) ¹ (CPE/CSC 101 + MATH 141 or 221. Min C-. Or Inst Consent)	Proj-Based Object-Oriented Programming & CSC/CPE 203 (4) (CSC/CPE 202 w/min C- or Instr. consent)	Discrete Structures CSC 348 (4) (CSC/CPE 102 & 103 or 202 & 203. Min C-. Or Instr. Consent)	Computer Architecture CSC/CPE 315 (4) (CSC/CPE 102 & 103, or CSC/CPE 202 & 203, and CSC 225, CPE/EE 229, or CPE/EE 233.)		Introduction to Operating Systems CSC/CPE 357 (4) (CSC/CPE 357, & 225 or CPE/EE 229 or 233)				
		Life Science Support Elective (4-5) ^{^2} [Add'l Area B]	MATH/STAT Support Elective (4) ^{^3}	Introduction to Computer Organization CSC 225 (4) (CSC/CPE 202-formerly CSC/CPE 103)	Systems Programming CSC/CPE 357 (4) (C- or better in CSC/CPE 102 & 103 or 202 & 203, & CSC 225 or 229 or CPE/EE 233. Or Inst. Consent.)		Professional Responsibility CSC 300 (4) (CSC/CPE 357, Jr. Standing)				
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-)	Choose one: Linear Math MATH 206 (4) OR MATH 244 (4) (MATH 143)	Statistical Methods for Engineers STAT 312 (4) (MATH 142) [B6]	Design & Analysis of Algorithms CSC 349 (4) (CSC 141 or CSC 348 & MATH 142; or CPE/CSC 102 & 103 or CPE/CSC 202 & 203 & MATH 248)	Programming Languages I CSC 430 (4) (CSC 349 & CSC/CPE 357)	Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Senior Project Lab I CSC 491 (2) (CSC 307 or 309, Instr. Consent)	Senior Project Lab II CSC 492 (2) (CSC 491, Instr. consent)
Expository Writing ENGL 133/134 (4)** [A1]			Physical Science Support Electives (12 units) [^]		Choose One Series:		Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Upper-Division Elective (4) [^] ***
Oral Communication COMS 101/102 (4)** [A2]			PHYS 141 (4)* [B3/B4]	PHYS 132 (4)* [Add'l Area B] OR Chemistry I, II, & III CHEM 125 (4)* [Add'l Area B]	PHYS 133 (4)*	Intro Software Engineering & Tech Elective CSC 307 (4)* (CSC 141 or 348, CPE/CSC 357)	Tech Elec (4) *	Additional Science Support Elective (4) ^{^5} *	Approved Technical Elective (4) [^] ***	Approved Technical Elective (4) [^] ***	Upper-Division Elective (4) [^] ***
	Technical Writing ENGL 149 (4) [A3] (Completion of GE A1 with a C- or better in Winter of Freshman and Winter of Sophomore Years. Can be taken anytime between Winter of Freshman and Winter of Sophomore Years)		CHEM 124 (4)* [B3/B4]	CHEM 126 (4)*		Software Engineering I & II CSC 308 (4) (CSC 141 or 348, CPE/CSC 357)	CPE 309 (4)* (CSC 308)	GE (4) **	GE (4) **	GE (4) **	GE (4) **
GE (4) **	GE (4) **					GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
Graduation Writing Requirement (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)						GWR*					
16	16	16-17	16	16	12	12	16	16	16	14	14
										TOTAL:	180-181

FALL:
CEA Madrid, Spain
CEA Paris, France

SPRING:
Munich, Germany

FALL:
Chalmers, Sweden
KTH, Sweden
Swinburne, Australia

SUMMER:
Other summer affiliated programs

SUMMER:
Munich, Germany

FALL 2nd Yr: CEA Madrid, Spain: CPE 315, PHYS 133, MATH 244, ME 211, ME 212, Tech Electives; GE C1 or C2

CEA Paris, France: Math 241; GE C1 or C2, C4

Spring 3rd Yr: Munich, Germany: Tech electives

Summer 3rd Yr: Munich, Germany: GE C1 or C2 and Tech electives (4 units)

Fall 4th Yr: Chalmers, Sweden: STAT 312, CPE 430, Tech Electives

KTH, Sweden: CPE 307, CPE 365, CPE 349, Tech Electives

Swinburne, Australia: BIO 213, BIO 161, CSC 430, Tech Electives