

Fall:
CEA Madrid, Spain
CEA Paris, France

Spring:
Munich, Germany

Fall:
Chalmers, Sweden
KTH, Sweden
Swinburne, Australia

Updated 7/23/2019

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	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 w/min C-, Instr. perm)	Proj-Based Object-Oriented Programming & Design 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 w/min C- or Instr. consent)	Computer Architecture CSC/CPE 315 (4) (CSC/CPE 102 & 103, or 202 & 203; CSC 225, CPE/EE 229, or CPE/EE 233.)				Introduction to Operating Systems CSC/CPE 453 (4) (CSC/CPE 357; 225 or CPE/EE 229 or 233)		
			Introduction to Computer Organization CSC 225 (4) (CSC/CPE 202)		Professional Responsibilities: CSC 300 (4) (CSC/CPE 357; Jr Standing)	CHOOSE ONE OR PHIL 323 *			Choose One Series: Senior Project Lab I & II CSC 491 (2) (CSC 307 or 309; Instr. consent) OR CSC 492 (2) (CSC 491; Instr. consent) Research Senior Project I & II CSC 497 (2) (CSC 307 or 309; Instr. consent) OR CPE 498 (2) (CSC 497; Instr. consent)		
		Life Science Support Elective (4-5)^{^2} [Add'l Area B]	MATH/STAT Support Elective (4)^{^3}	Systems Programming CSC/CPE 357 (4) (C- or better in CSC/CPE 102 & 103, or 202 & 203, or Instr. consent)	Design & Analysis of Algorithms CSC 319 (4)	Approved Technical Elective (4)[^] ***		Approved Technical Elective (4)[^] ***	Approved Technical Elective (4)[^] ***		
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) (MATH 143) OR MATH 244 (4) (MATH 143)	Statistical Methods for Engineers STAT 312 (4) (MATH 142) [B6]	Programming Languages CSC 430 (4) (CSC 349; CSC/CPE 357)			Compiler Construction CSC/CPE 431 (4) (CSC 430)			
Expository Writing ENGL 133/134 (4)** [A1]			Physical Science Support Electives (12 units) [^] Physics IA, II, & III PHYS 141 (4)* [B3/B4] OR PHYS 132 (4)* [Add'l Area B] OR PHYS 133 (4)*			Choose One Series: Intro Software Engineering & Tech Elective CSC 307 (4) (CSC 141 or 348; CPE/CSC 357) OR Tech Elective (4)*					
Oral Communication COMS 101/102 (4)** [A2]			Chemistry I, II, & III CHEM 124 (4)* [B3/B4] OR CHEM 125 (4)* [Add'l Area B] OR CHEM 126 (4)*			Software Engineering I & II CSC 308 (4) (CSC 141 or CSC 348) OR CPE 309 (4)* (CSC 308; CSC/CPE 357)			Additional Science Support Elective (4)^{^5} *	Approved Technical Elective (4)[^] ***	Approved Technical Elective (4)[^] ***
		Technical Writing for Engineers ENGL 141 (4) [A3] (Completion of GE A1 with a C- or better in English; Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years				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*		Free Elective (4)	
16	16	16-17	16	16	16	16	12	12	16	14	14
										TOTAL: 180-181	

Summer:
CEA Barcelona, Spain

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CEA Barcelona, Spain
Cal Poly Affiliated Programs

Summer:
Munich, Germany