

Fall:
CEA Madrid, Spain
CEA Paris, France

Spring:
Munich, Germany
Karlsruhe, Germany

Fall:
Lucerne, Switzerland

Updated 6/27/2019

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Electrical Engineering & Lab EE 111 (1) & EE 151 (1)	Fundamentals of Computer Science CSC/CPE 101 (4) *	Choose One: Electric Circuit Analysis I & Lab EE 113 (3) & EE 143 (1) (MATH 142, Recom: EE 111, 151, PHYS 133) OR Electric Circuit Analysis I EE 112 (2) (MATH 142, Recom: EE 111, 151) & Basic Electronics Manufacturing IME 156 (2)	Electric Circuit Analysis II & Lab EE 211 (3) & EE 241 (1) (EE 112 or EE 113; EE 151; MATH 244† or PHYS 133†)	Electric Circuit Analysis III & Lab EE 212 (3) & EE 242 (1) (MATH 244, EE 211, 241)	Energy Conversion Electromagnetics & Lab EE 255 (3) & EE 295 (1) (EE 212 & 242; or EE 201 & 251)	Semiconductor Device Electronics & Lab EE 306 (3) & EE 346 (1) (CHEM 134; EE 212 & 242; EE 143 or IME 156 or IME 458; PHYS 211; Recom: ENGL 124)	Digital Electronics & Integrated Circuits & Lab EE 307 (3) & EE 347 (1) (CPE/EE 133; EE 306; 346; CPE/EE 233†)	analog Electronics & Integrated Circuits & Lab EE 308 (3) & EE 348 (1) (EE 302 & 342; 307 & 347)	Electronic Design & Lab EE 409 (3) & EE 449 (1) (EE 308 & 348; CPE/EE 328 & 368; or CPE 327 & 367; CPE/EE 329 or 336 or CPE 316)	Technical Elective (4)² ***	Technical Elective (3)² ***
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/min C-) [B1]	OR Electric Circuit Analysis I EE 112 (2) (MATH 142, Recom: EE 111, 151) & Basic Electronics Manufacturing IME 156 (2)	Digital Design CPE/EE 133 (4) (EE 111 & 151; CPE/CSC 101)	Computer Design & Assembly Language Programming CPE/EE 233 (4) (CPE/EE 133)	Continuous-Time Signals & Systems EE 228 (4) (BMED 355; or EE 212 & 242; Recom: MATH 241)	Discrete Time Signals & Systems & Lab EE 328 (3) & EE 368 (1) (BMED 355 or EE 228)	Classical Control Systems & Lab EE 302 (3) & EE 342 (1) (EE 228; Recom: EE 368)	Choose one: Microcontroller-Based Systems Design EE/CPE 329 (4)* OR Microprocessor System Design EE 336 (4)*	Senior Project Preparation EE 460 (2)¹ (EE 314; 335; EE 409† & 449†)	Choose One Series¹: Senior Project I & II EE 461 (2) (EE 409; 449; 460) OR EE 462 (2) (EE 461) OR Senior Project II & Design Lab I EE 463 (2) (EE 409; 449; 460) OR EE 464 (2) (EE 409; 449; 460)	
General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]	General Physics IA PHYS 141 (4) (MATH 141 w/min C-; MATH 142† or 182†) [Add'l Area B]	General Physics III PHYS 133 (4) (PHYS 131, HNRS 131, or PHYS 141; Recom: MATH 241)	General Physics II PHYS 132 (4) (PHYS 131, HNRS 131, or PHYS 141)	Take concurrently: Life Science for Engin. BIO 213 (2) & Bioengineering Fundamentals BMED 213 (2) (MATH 142 Recom: CHEM 124) [B2]	Choose EE or EE Options²: Electromag. Fields & Trans. & Lab EE 335 (4) & EE 375 (1)³ (EE 212, 242; MATH 241)	EE Options²: Electromagnetic Waves EE 402 (4)⁴ (EE 335)		Choose EE or EE Options²: Electromag. Fields & Trans. & Lab EE 335 (4) & EE 375 (1)³ (EE 212, 242; MATH 241)	EE Options²: Electromagnetic Waves EE 402 (4)⁴ (EE 461)	Approved Engineering Support Electives (3)² ***	Approved Engineering Support Electives (3)² ***
		Calculus III MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	Linear Analysis I MATH 244 (4) (MATH 143)	Calculus IV MATH 241 (4) (MATH 143)	Modern Physics I PHYS 211 (4) (PHYS 132; 133; MATH 241. Recom: MATH 242 or 244)	Probability and Random Processes for Engineers STAT 350 (4) (MATH 241; EE 228) [B6]		Introduction to Communication Systems EE 314 (3) (STAT 350)	Technical Elective (4)² ***	GE (4) **	GE (4) **
Expository Writing ENGL 133 or 134 (4)** [A1] Can be taken anytime during Freshman Year										GE (4) **	GE (4) **
Oral Communication COMS 101 or 102 (4)** [A2] Can be taken anytime during Freshman Year										GE (4) **	GE (4) **
		Technical Writing for Engineers ENGL 149 (4) (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									
14	16	16	16	16	16-17	16	15	16-17	17	17	16
										TOTAL:	192

Summer:
CEA Barcelona, Spain
Cal Poly Affiliated Programs

Summer:
CEA Barcelona, Spain
Cal Poly Affiliated Programs

Summer:
Munich, Germany