

FRESHMAN			SOPHMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
15 units	15 units	18-19 units	16 units	15 units	17 units	18 units	14-15 units	15-16 units	19 units	20 units	14-16 units
Intr. To Engr. ENGR 110	BME Cal. BMED111 (Math 142c)	Intr. BME Desgn BMED 212 (Math 143 c)		Engr. Statics ME 211 (MATH 241c & PHYS 131 or 141)	Mechanics of Materials CE 204 (ME 211)	Engr. Econ. IME 314 (MATH 241)	Thermodyn ME 302 (PHYS 132 & ME 212)		Fluid Mechanics ME 341 (ME 212)	Senior Project	Spec. Topic In BME BMED 450 (Sr. Standing)
Calculus I MATH 141 **	Calculus II MATH 142 (MATH 141 w/ ≥C-†)	Calculus III MATH 143 (MATH 142)	Calculus IV MATH 241 (MATH 143)	Linear Analysis MATH 244 (MATH 143†)	*Math & Science Elective I	Materials Engr. MATE 210 (CHEM 124, MATH 141, PHYS 131 or 141)	*Advisor Approved Technical Elective I	*Math & Science Elective III	Bioelec. and Instr. BMED 440 (EE 201, BMED 310†)	*Math & Science Elective IV	*Advisor Approved Technical Elective III
	Gen. Physics I PHYS 131 (MATH 141 w/ ≥C-, Math 142c)	Gen. Physics II PHYS 132 (PHYS 131 or 141)	Gen. Physics III PHYS 133 (PHYS 131 or 141, MATH 142)		Electric Circuit EE 201 (MATH 244 , PHYS 133)	BME Meas. & Analysis BMED 310 (ME 211†)	Biomechanics BMED 410 (ME 212, BMED 310†)	BME Transport BMED 425 (ME 302, BMED 310†)	Biomed Modeling BMED 430 (BMED 420†)	BME Desgn I BMED 455 (ME 341, BMED 410†)	BME Design II BMED 456 (ME 341, BMED 410†)
Gen. Chem CHEM 124 **	Gen. Chem CHEM 125 (CHEM 124)	Fund. CSC CSC 101 or CSC 234 **	Technical Writing *ENGL 149 **	Intro to Cell Mol. Bio Bio161 **	Engr. Dynamics ME 212 (MATH 241 & ME 211)	*Math & Science Elective II	Biomaterials BMED 420 (ME 212, BMED 310†)	*Advisor Approved Technical Elective II	*Lit/Phil/Arts (300-400 level) C4	Engr Phys BMED 460 (ZOO 331 or Equiv., BMED 310†)	*Advisor Approved Technical Elective IV
*Writing: Expo ENGL 133/134 A1		*Communi- cation SCOM 101/102 A2	Comparative Social Institutions* D3	*Political Economy D2	*American Experience D1	*Literature C1		*Philosophy C2	*Self Development D4	*Fine and Performing Arts C3	
							GWR	USCP			

* The placement of these courses does not imply that they must be taken in the quarter indicated. Subject to satisfaction of prerequisites, courses can be taken at a time convenient for the student and a time which meshes with the ability of the offering department to meet demand. Please note that this course sequence is not THE path to the BME BS degree, it is A path to the BME BS degree.

** Refer to current catalog for pre-requisites.

Check for automatic substitutions at <http://www.eadvise@calpoly.edu>