

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Intro to IME IME 101	Basic Electronics Manufacturing IME 156	Intro to Design & Mfg. IME 144 <small>(IME 130 or high school drafting)</small>	Work Design & Measurement IME 223 <small>(MATH 141, rcmd IME 101)</small>	Industrial Costs & Controls IME 239 <small>(IME 223)</small>	Engineering Economics IME 314 <small>(MATH 241)</small>	Operations Research I IME 301 <small>(MATH 244)</small>	Human Factors IME 319 <small>(PSY 201 or 202 or instructor consent, & Junior Standing)</small>	Mfg. Organizations IME 421 <small>(IME 314, PSY 201 or 202, or consent of instructor)</small>	Op Research II IME 405 <small>(IME 301, STAT 321 or consent of instructor)*</small>	Operations Research III IME 407 <small>(IME 301 or consent of instructor)</small>	Fac. Planning/Des. IME 443 <small>(IME 223, 314, 405 or 319, or consent of instr.) (rcmd: IME 319, 420)</small>	
Manufacturing Processes IME 141	General Physics I, II, & III PHYS 141 * <small>[B3/B4]</small>		PHYS 132 <small>(PHYS 141) [B3/B4]</small>	PHYS 133 <small>(PHYS 141, MATH 142) [B3/B4]</small>	Computer Programming CSC 232 <small>(MATH 118 or equivalent)</small>	BIO 213 & ENGR/BRAE 213 <small>(MATH 142 & CHEM 124) [B2]</small>	Project Organization and Management IME 303 <small>(IME 314 or instructor consent)</small>	Engineering Test Design & Analysis IME 326 <small>(STAT 321 w/C- or better)</small>	Data Management & System Design IME 312 <small>(CSC 232)</small>	Engr. Supervision I IME 441 <small>(IME 141, 334 or 335, & Sr. Standing) (rcmd: IME 421†)</small>	Quality Engr. IME 430 <small>(IME 326 or equiv.)</small>	Ergonomics Lab IME 429 <small>(IME 319, 326)</small>
MATH 141 * <small>[B1]</small>	Calculus I, II, & III MATH 142 <small>(MATH 141: ≥ C-) [B1]</small>		MATH 143 <small>(MATH 142) [Add'l Area B]</small>	Calculus IV MATH 241 <small>(MATH 143)</small>	Linear Anal. I MATH 244 <small>(MATH 143 or instructor consent)</small>	Engr. Dynamics ME 212 <small>(ME 211 & MATH 241)</small>	Electric Circuit Theory EE 201 <small>(MATH 244 & PHYS 133)</small>	Electronics EE 321 <small>(EE 201)</small>	Computer-Aid or Mfg. Automation IME 335 or IME 356 *	Senior Project IME 481 <small>(Sr. Standing in major & instructor consent) *</small>	Simulation & Expert Systems IME 420 <small>(IME 326, 405)</small>	Senior Project IME 482 <small>(IME 481) *</small>
Self Development GEB <small>[D4]</small>	General Chemistry CHEM 124 * <small>[B3/B4]</small>	American Experience GEB <small>[D1]</small>	Technical Writing ENGL 149 <small>(completion of A1 + A2) [A3]</small>	Engr. Statics ME 211 <small>(PHYS 141, MATH 241 or †)</small>	Philosophy GEB * <small>[C2]</small>	CE 204 <small>(ME 211) or ME 341 <small>(ME 212)</small></small>	Materials Engr. or Thermodynamics MATE 210 or ME 302 *	Approved Technical Elective ** 4 Units	Approved Technical Elective ** 4 Units	Inventory Control Systems IME 410 <small>(IME 405 or 342, IME 312)</small>	Fine & Performing Arts GEB <small>[C3]</small>	
Writing Exposition ENGL 134* * <small>[A1]</small>	Public Speaking/ Speech Com COMS 101/102 <small>[A2]</small>			Literature GEB * <small>[C1]</small>	Political Economy GEB <small>[D2]</small>	Statistical Methods STAT 321 <small>(MATH 142) [B6]</small>	Approved Technical Elective ** 4 Units		Social Institutions GEB <small>[D3]</small>		Lit/Phil/Arts 300-400 Level GEB * <small>[C4]</small>	
14	18	16	16	17	18	18	17	15	15	16	16	
										TOTAL:	196	

Notes:

COURSES CAN BE TAKEN IN ANY CHOSEN ORDER, AS LONG AS PREREQUISITES ARE MET.

Refer to 2007-2009 Catalog for GE&B course selection, multidisciplinary requirement, cultural pluralism, and GWR requirement.

¹ May be taken any quarter of freshman year

* Refer to current catalog for prerequisites.

** Technical Electives: Student must select with the approval of faculty advisor. Technical Elective form required. Technical Elective Units must total 12.

† Concurrent

For catalog changes refer to www.eadvice.calpoly.edu