

Please note: This flowchart is one example of how students can graduate in 2 years. Many times transfer students need longer than this. We encourage students to use this as a tool in creating their own unique quarter by quarter graduation plan.

<b>This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred in needs to be added to this flowchart, which may result in an additional quarter/s. Check your DPR to verify credit:</b>  <div> <div> MATH 141 MATH 142 MATH 143 MATH 241 MATH 244 PHYS 141 PHYS 132 PHYS 133 CHEM 124 CHEM 125 MATE 210 MATE 215 ME 211 ME 212 CE 204 EE 201 EE 251 CSC 232 ENGL 147 of Any GE Area A3 BIO/BMED 213 (B2) </div> <div> GE AREA A1 GE AREA A2 GE AREA C1 GE AREA C2 GE AREA LOWER-DIVISION C ELECTIVE GE AREA D1 GE AREA D ELECTIVE GE AREA E GE AREA F </div> </div>		YEAR 1			YEAR 2		
		Fall	Winter	Spring	Fall	Winter	Spring
		Intro to IE and MFG <b>IME 101 (1)</b>	Basic Electronics Manufacturing <b>IME 156 (2)</b>	Computer-Aided Manufacturing I <b>IME 335 (4)</b> <small>(MATH 244; IME 244 or ME 251 and IME 143 or IME 146; &amp; CSC 101, 231, 232, or 234)</small>	Product-Process Design <b>IME 418 (4)</b> <small>(Sr. standing. Recom: IME 450)</small>	Quality Engineering <b>IME 430 (4)</b> <small>(IME 326, 327, 503, STAT 302 or 312)</small>	Manufacturing Process & Tool Engineering <b>IME 450 (4)</b> <small>(Math 244, IME 330. Recom: IME 335)</small>
		Manufacturing Processes: Net Shape <b>IME 141 (1)</b>	Intermediate Design and Manufacturing <b>IME 244 (2)</b> <small>(IME 144; Coreq: MATE 210/215)</small>	Test Design & Analysis in Manufacturing Engineering <b>IME 327 (4)</b> <small>(STAT 321 w/min C- or Instr. consent; or ME 236)</small>	Manufacturing Automation <b>IME 356 (4)</b> <small>(EE 321)</small>	Approved Technical Elective <b>(4) ***</b>	Supply Chain & Logistics Management <b>IME 417 (4)</b> <small>(IME 342 or IME 410)</small>
		Manufacturing Processes: Materials Joining <b>IME 142 (2)</b>	Choose One: Engineering Economics <b>IME 314 (3)</b> <small>(MATH 241)</small> OR Financial Decision Making for Engrs. <b>IME 315 (3)</b> <small>(MATH 142)</small>	Manufacturing Systems Integration <b>IME 342 (4)</b> <small>(MATH 241, IME 223, and STAT 321)</small>	Senior Design Project I <b>IME 481 (2)<sup>1</sup></b> <small>*</small>	Senior Design Project II <b>IME 482 (2)<sup>1</sup></b> <small>*</small>	Senior Design Project III <b>IME 483 (2)<sup>1</sup></b> <small>(IME 482)</small>
		Process Improvement Fundamentals <b>IME 223 (4)</b> <small>(MATH 141. Recom: IME 101)</small>	Electronics <b>EE 321 (3)</b> <small>(EE 201)</small>	Thermodynamics I <b>ME 302 (3)</b> <small>(ME 212 and PHYS 132)</small>	Fundamentals of Manufacturing Engineering <b>IME 330 (4)<sup>2</sup></b> <small>(IME 141 or ITP 341; IME 142; CE 204 or CE 208; MATE 210; MATE 215; IME 244 or ME 251 and IME 143 or IME 146)</small>	Approved Technical Elective <b>(3) ***</b>	Approved Technical Elective <b>(3) ***</b>
		Probability and Statistics for Engineers and Scientists <b>STAT 321 (4)</b> <small>(MATH 142) [Upper Division B]</small>	GE Upper-Division C <b>(4)**</b> <small>(combine with USCP if still needed)</small>				
		<b>Graduation Writing Requirement GWR*</b> (Must be fulfilled before graduation by either enrolling in a GWR-approved, upper-division English course (which can double-count with the Upper-Division C) OR by completing the GWR Portfolio. GWR courses are searchable on Schedule Builder.)					
		16	14	15	14	13	13

**Notes:**

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

\* Refer to current catalog for prerequisites.

\*\*Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

\*\*\*13 units Technical Electives required. Select from Category A (8-13 units) & B (0-5 units). See catalog for course options. Consultation with faculty advisor recommended prior to selecting courses. Courses may not be used to satisfy other major, support, or general education requirements (no double-counting).

<sup>1</sup> ENGR 459, 460, 461 (6 units) or ENGR 463, 464, 465 (6) may substitute for IME 481, 482, 483 (6)

<sup>†</sup> Course can be taken previously or concurrently.

**Legend:**

Course Title	
Course # (Units)	
(Prerequisite)	
[GE Area]	

	Major
	Support
	General Ed.