

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.

Updated 7/25/19

	YEAR 1			YEAR 2		
	Fall	Winter	Spring	Fall	Winter	Spring
<p>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:</p> <p><input type="checkbox"/> MATH 141 <input type="checkbox"/> GE AREA A1</p> <p><input type="checkbox"/> MATH 142 <input type="checkbox"/> GE AREA A2</p> <p><input type="checkbox"/> MATH 143 <input type="checkbox"/> GE AREA C1</p> <p><input type="checkbox"/> MATH 241 <input type="checkbox"/> GE AREA C2</p> <p><input type="checkbox"/> MATH 244 <input type="checkbox"/> GE AREA LOWER-DIVISION C</p> <p><input type="checkbox"/> PHYS 141 <input type="checkbox"/> GE AREA D1</p> <p><input type="checkbox"/> PHYS 132 <input type="checkbox"/> GE AREA D2</p> <p><input type="checkbox"/> PHYS 133 <input type="checkbox"/> GE AREA D ELECTIVE</p> <p><input type="checkbox"/> CHEM 124 <input type="checkbox"/> GE AREA E</p> <p><input type="checkbox"/> CHEM 125</p> <p><input type="checkbox"/> MATE 210</p> <p><input type="checkbox"/> MATE 215</p> <p><input type="checkbox"/> ME 211</p> <p><input type="checkbox"/> ME 212</p> <p><input type="checkbox"/> CE 204</p> <p><input type="checkbox"/> EE 201</p> <p><input type="checkbox"/> EE 251</p> <p><input type="checkbox"/> CSC 232</p> <p><input type="checkbox"/> ENGL 149 (A3)</p> <p><input type="checkbox"/> BIO/BMED 213 (B2)</p>	<p><i>Intro. To Design & Manufacturing</i></p> <p>IME 144 (4)</p> <p>(Recom: IME 140, ME 129)</p>	<p><i>Basic Electronics Manufacturing</i></p> <p>IME 156 (2)</p>	<p><i>Computer-Aided Manufacturing I</i></p> <p>IME 335 (4)</p> <p>(MATH 244; IME 144 or 143 & ME 251; & CSC 101, 231, 232, or 234)</p>	<p>Approved Technical Elective</p> <p>(4)</p> <p>***</p>	<p>Approved Technical Elective</p> <p>(3)</p> <p>***</p>	<p><i>Manufacturing Process & Tool Engineering</i></p> <p>IME 450 (4)</p> <p>(Math 244, IME 330. Recom: IME 335)</p>
	<p><i>Manufacturing Processes: Materials Joining</i></p> <p>IME 142 (2)</p>	<p>Choose One:</p> <p><i>Engineering Economics</i></p> <p>IME 314 (3)</p> <p>(MATH 241)</p> <p>OR</p> <p><i>Financial Decision Making for Engrs.</i></p> <p>IME 315 (3)</p> <p>(MATH 142)</p>	<p><i>Test Design & Analysis in Manufacturing Engineering</i></p> <p>IME 327 (4)</p> <p>(STAT 321 w/min C- or Instr. consent; or ME 236)</p>	<p><i>Quality Engineering</i></p> <p>IME 430 (4)</p> <p>(IME 326, 327, 503, STAT 302 or 312)</p>	<p><i>Manufacturing Systems Integration</i></p> <p>IME 342 (4)</p> <p>(MATH 241 & IME 223. Recom: STAT 321)</p>	<p>Approved Technical Elective</p> <p>(3)</p> <p>***</p>
	<p><i>Intro to IE and MFGE</i></p> <p>IME 101 (1)</p>	<p><i>Manufacturing Processes: Net Shape</i></p> <p>IME 141 (1)</p>	<p><i>Manufacturing Automation</i></p> <p>IME 356 (4)</p> <p>(EE 321)</p>	<p><i>Senior Design Project I</i></p> <p>IME 481 (2)¹</p> <p>(Sr. Standing & Instr. consent)</p>	<p><i>Senior Design Project II</i></p> <p>IME 482 (2)¹</p> <p>(IME 481)</p>	<p><i>Senior Design Project III</i></p> <p>IME 483 (2)¹</p> <p>(IME 482)</p>
	<p><i>Process Improvement Fundamentals</i></p> <p>IME 223 (4)</p> <p>(MATH 141. Recom: IME 101)</p>	<p><i>Electronics</i></p> <p>EE 321 (3)</p> <p>(EE 201)</p>	<p>GE Upper-Division C (4)**</p> <p>(combine with USCP if still needed)</p>	<p><i>Fundamentals of Manufacturing Engineering</i></p> <p>IME 330 (4)</p> <p>(IME 141 or ITP 341; IME 142; CE 204 or CE 208; MATE 210; MATE 215; IME 144 or IME 143; ME 251)</p>	<p><i>Product-Process Design</i></p> <p>IME 418 (4)</p> <p>(Sr. standing. Recom: IME 450)</p>	<p><i>Supply Chain & Logistics Management</i></p> <p>IME 417 (4)</p> <p>(IME 342 or 410)</p>
	<p><i>Graphics Communication & Modeling</i></p> <p>IME 140 (2)</p>	<p><i>Probability and Statistics for Engineers and Scientists</i></p> <p>STAT 321 (4)</p> <p>(MATH 142) [B6]</p>			<p><i>Thermodynamics I</i></p> <p>ME 302 (3)</p> <p>(PHYS 132; ME 212 or CHEM 128)</p>	<p>Approved Technical Elective</p> <p>(3)</p> <p>***</p>
		<p>Graduation Writing Requirement GWR*</p> <p>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</p>				
	13	14	16	13	16	16

Notes:

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

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, E. C4 should be taken only after Junior standing is reached (90 units).

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

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, D Elective, or E

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

† Course can be taken previously or concurrently.

¹ ENGR 459, 460, 461 (6 units) or ENGR 463, 464, 465 (6) may substitute for IME 481, I482, 483 (6)

Legend:

Course Title	Major
Course # (Units)	Support
(Prerequisite)	General Ed.
[GE Area]	