

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 this use as a tool in creating their own unique quarter by quarter graduation plan.

		YEAR 1			YEAR 2				
		Fall	Winter	Spring	Fall	Winter	Spring		
<p><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></p> <ul style="list-style-type: none"> <li>□ MATH 141      □ ME 211</li> <li>□ MATH 142      □ ME 212</li> <li>□ MATH 143      □ CE 204</li> <li>□ MATH 241      □ CE 207</li> <li>□ MATH 244      □ ENGL 149 (A3)</li> <li>□ PHYS 141      □ BIO/BMED 213 (B2)</li> <li>□ PHYS 132      □ GE AREA A1</li> <li>□ PHYS 133      □ GE AREA A2</li> <li>□ CHEM 124      □ GE AREA C1</li> <li>□ CHEM 125      □ GE AREA C2</li> <li>□ MATE 210      □ GE AREA LOWER-DIVISION C ELECTIVE</li> <li>□ MATE 215      □ GE AREA D1</li> <li>□ EE 201          □ GE AREA D2</li> <li>□ EE 251          □ GE AREA D ELECTIVE</li> <li>□ CSC 231        □ GE AREA E</li> <li>□ ME 228</li> </ul>		<p><i>Measurement &amp; Engineering Data Analysis</i> <b>ME 236 (3)</b> <small>(Recom: CHEM 125, ENGL 149, &amp; PHYS 132)</small></p>	<p><i>Design for Strength &amp; Stiffness</i> <b>ME 328 (4)</b> <small>(BMED 212 or ME 234; CE 207; CSC 231 or 234; MATE 210; ME 212 &amp; 251. IME 141† or ITP 341†)</small></p>	<p><i>Mechanical Systems Design</i> <b>ME 329 (4)</b> <small>(ME 328)</small></p>	<p><i>Heat Transfer</i> <b>ME 350 (4)</b> <small>(CPE/CSC 101 or CSC 231 or 234; MATE 360 &amp; 380, or ME 236 &amp; 302 &amp; 341)</small></p>	<p><i>Introduction to System Dynamics</i> <b>ME 322 (4)</b> <small>(CPE/CSC 101, CSC 231 or CSC 234; EE 201; EE 251; ME 318; ME 341)</small></p>	<p><i>Thermal System Design</i> <b>ME 420 (4)</b> <small>(ME 303; ME 347; ME 350)</small></p>		
		<p><i>Intro to ME for Transfers</i> <b>ME 263 (1)</b></p>	<p><i>Thermodynamics I</i> <b>ME 302 (3)</b> <small>(ME 212 &amp; PHYS 132)</small></p>	<p><i>Thermodynamics II</i> <b>ME 303 (3)</b> <small>(ME 302)</small></p>	<p><i>Senior Design Project I</i> <b>ME 428 (2)<sup>1</sup></b> <small>(ME 329, Coreq: ME 318 &amp; 350)</small></p>	<p><i>Senior Design Project II</i> <b>ME 429 (2)<sup>1</sup></b> <small>(ME 428)</small></p>	<p><i>Senior Design Project III</i> <b>ME 430 (2)<sup>1</sup></b> <small>(ME 429)</small></p>		
		<p><i>Philosophy of Design</i> <b>ME 234 (3)</b> <small>(Soph standing)</small></p>	<p><i>Fluid Mechanics I</i> <b>ME 341 (3)</b> <small>(MATH 242 or 244; ME 212)</small></p>	<p><i>Mechanical Vibrations</i> <b>ME 318 (4)</b> <small>(ME 212, MATH 344, Recom: EE 201)</small></p>	<p><i>Intermediate Dynamics</i> <b>ME 326 (4)</b> <small>(ME 212; CPE/CSC 101, CSC 231 or 234, MATH 244†)</small></p>	<p><b>Technical Elective</b> <b>(4)</b> ***</p>	<p><b>Select One: Implem. Of Mech Controls</b> <b>ME 418 (4)</b> <small>(ME 322)</small> OR <b>Adv. Control Sys.</b> <b>ME 419 (4)</b> <small>(ME 322, ME 236)</small></p>		
		<p><i>Intro to Detailed Design w/ Solid Modeling</i> <b>ME 251 (2)</b> <small>(ME 130 or 228, Recom: IME 143)</small></p>	<p><i>Electronics and Electronics Lab</i> <b>EE 321 (3) &amp; EE 361 (1)</b> <small>(EE 201, EE 251)</small></p>	<p><i>Fluid Mechanics II</i> <b>ME 347 (4)</b> <small>(ME 236, ME 341, ME 302 or Instr. consent)</small></p>	<p><b>Technical Elective</b> <b>(3-4)</b> ***</p>	<p><b>Technical Elective</b> <b>(4)</b> ***</p>	<p><b>Upper-Division C (4)**</b> <small>(combine with USCP requirement if still needed)</small></p>		
		<p><i>Linear Analysis II</i> <b>MATH 344 (4)</b> <small>(MATH 206 &amp; 242; or 241 &amp; 244) [B6]</small></p>	<p><i>Manuf. Processes Elective</i> <b>IME 141 (1) OR ITP 341 (4) OR ME 161 (2)*</b></p>		<p><i>Manufacturing Processes: Material Joining</i> <b>IME 142 (2)</b></p>				
		<p><i>Manufacturing Processes: Material Removing</i> <b>IME 143 (2)*</b></p>							
		<p><b>Graduation Writing Requirement GWR*</b> <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small></p>							
				16	15-18	15	15-16	14	14

**Notes:**

\* Refer to current catalog for prerequisites.  
 ^ Transfer students take ME 228, 263, & 264 in lieu of ME 128, 129, 130 and 163  
 #IME 143 should be taken in lieu of IME 145 and IME 146 for transfer students  
 \*\*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  
 \*\*\* Refer to current catalog for course selection. ME 470, ME 471, ME 570 and ME 571 are variable topics courses and may or may not count as ME electives. Please contact instructor for additional information. ME 400 and ME 500 are independent study classes and may be acceptable for technical elective credit. A course substitution form is required. Exceptions to this policy are possible through consultation with the department chair.  
 † Course can be taken previously or concurrently.  
 †ENGR 459, 460, and 461 (6 units) or ENGR 463, 464, and 465 (6) may substitute for ME 428, ME 429, and ME 430 (6).

**Legend:**

<i>Course Title</i> <b>Course # (Units)</b> <small>(Prerequisite)</small>		Major
		Support
		Concentration
[GE Area]		General Ed.