

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>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> <ul style="list-style-type: none"> □ MATH 141 □ ME 211 □ MATH 142 □ ME 212 □ MATH 143 □ CE 204 □ MATH 241 □ CE 207 □ MATH 244 □ ENGL 149 (A3) □ PHYS 141 □ BIO/BMED 213 □ PHYS 132 □ GE AREA A1 □ PHYS 133 □ GE AREA A2 □ CHEM 124 □ GE AREA C1 □ CHEM 125 □ GE AREA C2 □ MATE 210 □ GE AREA LOWER-DIVISION C ELECTIVE □ MATE 215 □ GE AREA D1 □ EE 201 □ GE AREA D2 □ EE 251 □ GE AREA D ELECTIVE □ CSC 231 □ GE AREA E □ ME 228 	<p><i>Measurement & Engineering Data Analysis</i> ME 236 (3) <small>(Recom: CHEM 125, ENGL 149, & PHYS 132)</small></p> <p><i>Intro to ME for Transfers</i> ME 263 (1)</p> <p><i>Intro to ME for Transfers Lab</i> ME 264 (1)</p> <p><i>Philosophy of Design</i> ME 234 (3) <small>(Soph standing)</small></p> <p><i>Intro to Detailed Design w/ Solid Modeling</i> ME 251 (2) <small>(ME 130 or 228, Recom: IME 143)</small></p> <p><i>Linear Analysis II</i> MATH 344 (4) <small>(MATH 206 & 242; or 241 & 244) [B6]</small></p> <p><i>Manufacturing Processes: Material Joining</i> IME 142 (2)</p>	<p><i>Design for Strength & Stiffness</i> ME 328 (4) <small>(BMED 212 or ME 234; CE 207; CSC 231 or 234; MATE 210; ME 212 & 251. IME 141† or ITP 341†)</small></p> <p><i>Thermodynamics I</i> ME 302 (3) <small>(ME 212 & PHYS 132)</small></p> <p><i>Fluid Mechanics I</i> ME 341 (3) <small>(MATH 242 or 244; ME 212)</small></p> <p><i>Electronics and Electronics Lab</i> EE 321 (3) & EE 361 (1) <small>(EE 201, EE 251)</small></p> <p><i>Manuf. Processes Elective</i> IME 141 (1) OR ITP 341 (4) OR ME 161 (2)*</p>	<p><i>Mechanical Systems Design</i> ME 329 (4) <small>(ME 328)</small></p> <p><i>Thermodynamics II</i> ME 303 (3) <small>(ME 302)</small></p> <p><i>Mechanical Vibrations</i> ME 318 (4) <small>(ME 326, MATH 344, Recom: EE 201)</small></p> <p><i>Fluid Mechanics II</i> ME 347 (4) <small>(ME 236, ME 341, ME 302 or Instr. consent)</small></p>	<p><i>Heat Transfer</i> ME 350 (4) <small>(CPE/CSC 101 or CSC 231 or 234; MATE 360 & 380, or ME 236 & 302 & 341)</small></p> <p>Concentration (4)</p> <p>Concentration (2)</p> <p>Concentration (3)</p> <p><i>Manufacturing Processes: Material Removing</i> IME 143 (2)*</p>	<p><i>Introduction to System Dynamics</i> ME 322 (4) <small>(CSC 231 or CSC 234; EE 201; EE 251; ME 318; ME 341)</small></p> <p>Concentration (4)</p> <p>Concentration (2)</p> <p>Concentration (4)</p>
	Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small>					
	16	15-18	15	15	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.
 1 ENGR 459, ENGR 460, and ENGR 461 (6 units) may substitute for ME 428, ME 429, and ME 430 (6 units).

Legend:

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