

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.
Updated 8/4/23

		YEAR 1			YEAR 2		
		Fall	Winter	Spring	Fall	Winter	Spring
		<div>Measurement & Engineering Data Analysis</div> <div>ME 236 (3)</div> <div>(Engineering majors. Recom: CHEM 125, ENGL 149 & PHYS 142)</div>	<div>Design for Strength & Stiffness</div> <div>ME 328 (4)</div> <div>(BMED 212 or ME 234; CE 207 or CE 208; MATE 210; ME 212. Coreq: CPE 101 or CSC 231 or CSC 234; ME 251†)</div>	<div>Mechanical Systems Design</div> <div>ME 329 (4)</div> <div>(ME 328)</div>	<div>Heat Transfer</div> <div>ME 343 (4)</div> <div>(CPE/CSC 101 or CSC 231 or 234; ME 236, ME 302 and ME 341)</div>	<div>Introduction to System Dynamics</div> <div>ME 322 (4)</div> <div>(CPE/CSC 101 or CSC 231 or CSC 234; EE 201; EE 251; ME 318; ME 341)</div>	<div>Thermal System Design</div> <div>ME 448 (4)</div> <div>(ME 303; ME 343; ME 347)</div>
<div>Intro to ME for Transfers</div> <div>ME 263 (1)^</div>	<div>Thermodynamics I</div> <div>ME 302 (3)</div> <div>(ME 212 & PHYS 132 or 147)</div>	<div>Thermodynamics II</div> <div>ME 303 (3)</div> <div>(ME 302)</div>	<div>Senior Design Project I</div> <div>ME 428 (2)¹</div> <div>(ME 329. Coreq: ME 318; ME 343 or ME 350; and IME 141, IME 142, IME 143, IME 146, ME 161 or</div>	<div>Senior Design Project II</div> <div>ME 429 (2)¹</div> <div>(ME 428)</div>	<div>Senior Design Project III</div> <div>ME 430 (2)¹</div> <div>(ME 429)</div>		
<div>Philosophy of Design</div> <div>ME 234 (3)</div> <div>(Soph standing)</div>	<div>Fluid Mechanics I</div> <div>ME 341 (3)</div> <div>(MATH 242 or 244; ME 212)</div>	<div>Fluid Mechanics II</div> <div>ME 347 (4)</div> <div>(ME 236, ME 341, ME 302)</div>	<div>Intermediate Dynamics</div> <div>ME 326 (4)</div> <div>(ME 212; CPE/CSC 101, CSC 231 or 234, Coreq: MATH 244†)</div>	<div>Technical Elective</div> <div>(4)</div> <div>***</div>	<div>Select One: Implem. Of Mech Controls</div> <div>ME 418 (4)</div> <div>(ME 322)</div> <div>OR</div> <div>Adv. Control Sys.</div> <div>ME 419 (4)</div> <div>(ME 322, ME 236)</div>		
<div>Intro to Detailed Design w/ Solid Modeling</div> <div>ME 251 (2)</div> <div>(ME 130 or 228. Recom: IME 143 or IME 146)</div>	<div>Electronics and Electronics Lab</div> <div>EE 321 (3) & EE 361 (1)</div> <div>(EE 201; EE 251)</div>	<div>Mechanical Vibrations</div> <div>ME 318 (4)</div> <div>(ME 212, MATH 344. Recom: EE 201)</div>	<div>Technical Elective</div> <div>(3-4)</div> <div>***</div>	<div>Upper-Division C (4)**</div> <div>(combine with USCP requirement if still needed)</div>	<div>Technical Elective</div> <div>(4)</div> <div>***</div>		
<div>Linear Analysis II</div> <div>MATH 344 (4)</div> <div>(MATH 206 & 242; or 241 & 244; JR standing or ME, BMED or Math major; completion of GE area A with C- or better and once course in GE area B4 with C- or better)</div> <div>Upper-Division B</div>	<div>Manufacturing Processes: Material Joining</div> <div>IME 142 (2)</div>	<div>Manufacturing Processes: Material Removal</div> <div>IME 143 (2)*</div>	<div>Select One: Manuf. Processes Elective</div> <div>IME 141 (1) OR ITP 341 (4) OR ME 161 (2)*</div>				
<div>Graduation Writing Requirement GWR*</div> <div>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 through enrolling in UNIV 401. GWR courses are searchable on Schedule Builder.</div>							
		14	16	16	14-18	14	14

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:

☐ MATH 141

☐ MATH 142

☐ MATH 143

☐ MATH 241

☐ MATH 244

☐ PHYS 141

☐ PHYS 142/132

☐ PHYS 143/133

☐ CHEM 124

☐ CHEM 125

☐ MATE 210

☐ MATE 215

☐ EE 201

☐ EE 251

☐ CSC 231 or 234

☐ ME 228^

☐ USCP

☐ ME 211

☐ ME 212

☐ CE 204&

☐ CE 207&

☐ GE AREA A1

☐ GE AREA A2

☐ GE AREA A3

☐ GE B2

☐ GE AREA C1

☐ GE AREA C2

☐ GE AREA LOWER-DIVISION C ELECTIVE

☐ GE AREA D1

☐ GE AREA D2

☐ GE AREA D ELECTIVE

☐ GE AREA E

☐ GE AREA F

Notes:

^ Transfer students take ME 228, 263, & 264 in lieu of ME 128, 129, 130 and 163

&CE 208 (5) may be taken in place of CE 204 (3) and CE 207 (2) to expedite the series

#IME 143 should be taken in lieu of IME 145 and IME 146 for transfer students

* Refer to current catalog for prerequisites.

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

*** Refer to your 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.

¹ENGR 459, 460, and 461 (6 units) or ENGR 463, 464, and 465 (6) may substitute for ME 428, ME 429, and ME 430 (6).

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

†Course can be taken previously or concurrently.

Legend:

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