

B.S. in MECHANICAL ENGINEERING (General Concentration)

Suggested 2-Year Academic Flowchart for Transfer Students

For a 3 year flowchart option see: https://eadvise.calpoly.edu/transfer-students/

	YEAR 1			YEAR 2		
	Fall	Winter	Spring	Fall	Winter	Spring
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 iin an additonal quarter/s. Check your DPR to verify credit: MATH 141, 142, 143, 241 & 244; PHYS 141, 132 & 133; CHEM 124 & 125; MATE 210 & 215; EE 201 & 251; CSC 231; ME 211, 212, & 228; CE 204 & 207; ENGL 149; BIO/BMED 213; GE AREAS A1, A2, C1, C2, C3, D1, D2, D3, & D4	Measurement & Engineering Data Analysis ME 236 (3) (Recom: CHEM 125, ENGL 149, & PHYS 132)	Design for Strength & Stiffness ME 328 (4) (BMED 212 or ME 234; CE 207; CSC 231 or 234; MATE 210; ME 212 & 251. IME 141† or ITP 341†)	Mechanical Systems Design ME 329 (4) (ME 328)	Heat Transfer ME 350 (4) (CPE/CSC 101 or CSC 231 or 234; MATE 360 & 380, or ME 236 & 302 & 341)	Mechanical Control Systems ME 422 (4) (ME 318)	Thermal System Design ME 420 (4) (ME 303; ME 347; & ME 343 or 350)
	Intro to Mechanical Enginerering for Transfers ME 229 (2)	Thermodynamics I ME 302 (3) (ME 212 & PHYS 132)	Thermodynamics II ME 303 (3) (ME 302)	Electronics and Electronics Lab EE 321 (3) & EE 361 (1) (EE 201, EE 251)	Energy Conversion Electromagnetics & Lab EE 255 (3) and EE 295 (1) (EE 212 & 242 or EE 201 & 251)	Technical Elective (4) ***
	Philosophy of Design ME 234 (3) (Soph standing) Intro to Detailed Design w/ Solid Modeling ME 251 (2) (ME 228. Recom: IME 143) Linear Analysis II	Fluid Mechanics I ME 341 (3) (MATH 242 or 244; ME 212) Intermediate Dynamics ME 326 (4) (ME 212; CSC 231 or 234, MATH 244†) Manuf. Processes	Mechanical Vibrations ME 318 (4) (ME 326, MATH 344. Recom: EE 201) Fluid Mechanics II ME 347 (4) (ME 236, ME 341, ME 302 or Instr. consent)	Senior Design Project I ME 428 (2) ¹ (ME 329. Coreq: ME 318 & 350) Technical Elective (3-4) ***	Senior Design Project II ME 429 (2) ¹ (ME 428) Technical Elective (4) ***	Senior Design Project III ME 430 (2) ¹ (ME 429) GE C4 (4)** (combine with USCP requirement if still needed)
	MATH 344 (4) (MATH 206 & 242; or 241 & 244) [B6] Manufacturing Processes: Material Joining IME 142 (2) Graduation (Students can attemp	Elective IME 141 (1) OR ITP 341 (4)* Writing Requirement to fulfill the requirement to mplete the requirement to the requi	after 90 earned units;	Manufacturing Processes: Material Removing IME 143 (2)	14	14

Notes:

- * Refer to current catalog for prerequisites.
- ^ Transfer students take ME 228 & 229 in lieu of ME 128, 129, 130 and 163
- 1 ENGR 459, ENGR 460, and ENGR 461 (6 units) may substitute for ME 428, ME 429, and ME 430 (6 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: C3, C4, D1, D3, or D4.
- *** 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.

<u>Legend:</u>

