

B.S. in GENERAL ENGINEERING (Individual Course of Study Concentration)

Suggested 2-Year Academic Flowchart for Transfer Students Admitted Fall 2022

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.

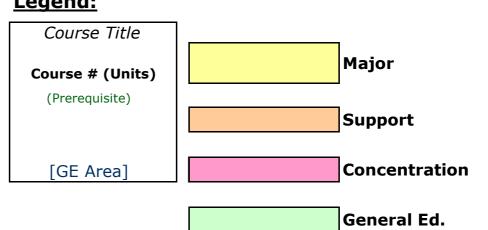
Updated 5/12/2022		YEAR 1			YEAR 2		
		Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Engineering ENGR 110 (2)	Transfer students should not take ENGR 110. Two units of an engineering intro course from a previous institution may substitute.	Intro. To Design & Manufacturing IME 144 (4)	Thermodynamics I ME 302 (3) (ME 212 & PHYS 132)	Fluid Mechanics I ME 341 (3) (MATH 242 or 244; ME 212)	Interdisciplinary Sr Design Project I ENGR 459 (2) ⁴ (Sr. Standing)	Interdisciplinary Sr Design Project II ENGR 460 (2) ⁴ (ENGR 459)	Interdisciplinary Sr Design Project III ENGR 461 (2) ⁴ (ENGR 460)
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 additional quarter/s. Check your DPR to verify credit:		Engineering Dynamics ME 212 (3) (MATH 241; ME 211 or ARCE 211)	Mechanics of Materials I CE 204 (3) (ME 211)	Choose one: Engin. Economics IME 314 (3) (MATH 241) OR Financial Decision IME 315 (3) (MATH 142)	Heat Transfer ME 343 (4) (formerly ME 350) (CPE/CSC 101 or CSC 231 or 234; ME 236; ME 302; ME 341)	Individual Course of Study (4)***	Individual Course of Study (4)***
☐ MATH 141	☐ GE AREA A1	Math or Stat					
☐ MATH 142	☐ GE AREA A2	Elective	Individual	Individual	Individual	Individual	Individual
□ MATH 143	☐ GE AREA C1	MATH 344, STAT 312, or	Course of Study	Course of Study	Course of Study	Course of Study	Course of Study
☐ MATH 241	☐ GE AREA C2	STAT 350	(4)***	(2)***	(4)***	(4)***	(3)***
□ MATH 244	☐ GE AREA LOWER-DIVISION C ELECTIVE	(4)* [Upper-Division B]					
□ PHYS 141	☐ GE AREA D1	Upper-Division	Physical Science	Individual	Individual	Individual	Individual
□ PHYS 132		C (4)**	Elective ³	Course of Study	Course of Study	Course of Study	Course of Study
□ PHYS 133	☐ GE AREA D2	(combine with USCP	(4)*	(4)***	(3)***	(4)***	(4)***
☐ CHEM 124	☐ GE AREA D Elective	requirement if					
☐ CHEM 125	☐ GE AREA E	still needed)					
☐ EE 201 & 251				Physical Science Elective ³	Any GE or Support Course		Any GE or Support Course Not
☐ MATE 210 & 215				(4)*	Not Completed		Completed
☐ ME 211							
□ CPE 101 ¹		Graduation Writing Requirement GWR*					
☐ ENGL 149^ (A3) or any GE AREA A3		(Must be fultilled 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 by enrolling in UNIV 401. GWR courses are searchable on Schedule Buildder).					
☐ BIO 213 & BMED 213 (B2)							
		15	14	16	13+	14	13+

Notes:

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

¹Students with an approved individualized course of study may substitute CSC 231 (2 units) plus an additional 2 units of other advisor approved coursework for CSC/CPE 101 (4units)

<u>Legend:</u>



³Refer to your current catalog for course selection. Physical Science Electives total 8 units.

⁴ ENGR 459, 460, 461 (6 units) or 6 units of Senior Project in appropriate engineering discipline.

^{*} Refer to your current catalog for prerequisites.

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

^{***} Concentration form required and should ASAP. Concentration courses should total at least 40 units (a minimum of 33 units need to be 300-400 level).

[^]ENGL 149 has been discontinued. If this is still needed, take any GE A3