CAL POLY
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B.S. in ENVIRONMENTAL ENGINEERING
Suggested 2-Year Academic Flowchart for Transfer Students

2020-21 Catalog
Unofficial

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 5/4/2023

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 additonal quarter/s. Check your DPR to verify credit:

- ☐ MATH 141
- ☐ MATH 142
- ☐ MATH 143
- ☐ MATH 241
- ☐ MATH 244
- ☐ CE 113
- ☐ CE 204[2]
- ☐ CE 207[2]
- ☐ CHEM 124
- ☐ CHEM 125
- ☐ CHEM 126
- ☐ ME 211
- ☐ PHYS 141
- ☐ PHYS 142 (formerly PHYS 132)
- ☐ PHYS 143 (formerly PHYS 133)
- ☐ GE AREA A3 (formerly ENGL 149^)
- ☐ GE AREA A1
- ☐ GE AREA A2
- ☐ GE AREA C1
- ☐ GE AREA C2
- ☐ GE AREA LOWER-DIVISION C
- ☐ GE AREA D1
- ☐ GE AREA D2
- ☐ GE AREA D ELECTIVE
- ☐ GE AREA E

	YEAR 1			YEAR 2		
	Fall	Winter	Spring	Fall	Winter	Spring
	Intro. to the Environmental Engineering Profession **ENVE 111 (1)**	*Noise & Vibration Control* **ENVE 309 (3)** (MATH 241 and PHYS 132)	*Mass Transfer Operations* **ENVE 421 (4)** (ENVE 325, 331, 304 or ME 302; ENVE 264 or ME 341)	*Geotechnical Engineering* **CE 381 (4)** (CE 207 or 208; ME 341 or ENVE 264)	*Groundwater Hydraulics and Hydrology* **CE 434 (4)[3]** (CE 336)	*Air Quality Measurements* **ENVE 426 (3)** (ENVE 325, CHEM 212/312, ENVE 264 or ME 341, STAT 312, and ENGL 149)
	Environmental Fluid Mechanics **ENVE 264 (4)** (MATH 241; PHYS 142; ME 211)	*Process Thermo-dynamics* **ENVE 304 (3)** (CHEM 125 or 129; ENVE 331)	*Water & Wastewater Treatment Design* **ENVE 438 (3)** (ENVE 331 and ME 341 or ENVE 264)	**Choose any 12 units from the following:** *Air Pollution Control* **ENVE 411 (4)*** OR *Envir Engineering of Energy* **ENVE 480 (4)***	*Sustainable Solid Waste Eng* **ENVE 439 (4)*** OR *Envir Health & Safety* **ENVE 455 (4) ***	*Intro Haz Waste Mgmt* **ENVE 436 (4)*** OR *Bioremediation Eng* **ENVE 443 (4)***
	Air Quality Engineering **ENVE 325 (4)** (CHEM 125 or 128)	*Water Resources Engineering* **CE 336 (4)** (ME 341 or ENVE 264; CE 337†)	*Organic Chemistry: Fundamentals & Applications* **CHEM 312 (5)** (CHEM 125 or 128)	*Civil Engr. Professional Practice* **CE 465 (1)** (Sr standing and Instr consent)	*Senior Project Design Laboratory I & II* **ENVE 466 (2)** (ENVE 438; CE 336; Sr Standing; CE 465†)	**ENVE 467 (2)** (ENVE 466)
	Fundamentals of Environmental Engineering **ENVE 331 (4)** (CHEM 125 or 128; MATH 242 or 244†)	*Hydraulics Laboratory* **CE 337 (1)** (ENVE 264 or ME 341; CE 336†)	**Choose one:** *Microbiology* **MCRO 221 (4)*** OR *General Microbiology I* **MCRO 224 (5)*** [B2]	*Industrial Pollution Prevention* **ENVE 450 (4)** (ENVE 331)	*Water Chemistry & Water Quality Measurements* **ENVE 434 (4)** (CHEM 125 or 129, ENVE 330 or 331)	**GE Upper-Division C (4)**** (combine with USCP if still needed)
	Programming Applications in Engineering **CE 251 (2)** (CE 113; MATH 244; CE 204 or CE 208†)	*Statistical Methods for Engineers* **STAT 312 (4)*** [Upper-Div GE Area B]		**Approved Technical Elective (4)[1]**	**Approved Technical Elective (2)[1]**	**Approved Technical Elective (4)[1]**
	Graduation Writing Requirement GWR* (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. GWR courses are searchable on Schedule Builder.)					
	15	15	16-17	17	16	17

Notes:

* Refer to current catalog for prerequisites.
** 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
^ PHIL 340 or ES/NR 360 recommended.
† Course can be taken previously or concurrently.
[1] 10 units Technical Electives. See your catalog for course options. Consult advisor.
[2] If you have equivalent credit for CE 204 but not CE 207, take CE 207 (2). If you need both, you can take CE 208 (5). This course combines CE 204 (3) & CE 207 (2) to expedite the series.
3 CE 434 (4) can be replaced with either: CE 433 (4) or CE 435 (4) or CE 440 (4)
^ENGL 149 has been discontinued. For those who still need to take this requirement, you will need to replace this requirement with any GE A3 course.

Legend:

Course Title
Course # (Units)
(Prerequisite)
[GE Area]

- **Major**
- **Support**
- **General Ed.**