CAL POLY
SAN LUIS OBISPO

B.S. in ENVIRONMENTAL ENGINEERING
Suggested 2-Year Academic Flowchart for Transfers

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 5/12/20

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**
- ▫ **PHYS 141**
- ▫ **PHYS 132**
- ▫ **PHYS 133**
- ▫ **CHEM 124**
- ▫ **CHEM 125**
- ▫ **CHEM 126**
- ▫ **ME 211**
- ▫ **CE 113**
- ▫ **CE 204**
- ▫ **CE 207**
- ▫ **ENGL 149 (A3)**

- ▫ **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
Environmental Fluid Mechanics **ENVE 264 (4)** (MATH 241, PHYS 132, and ME 211)	*Noise & Vibration Control* **ENVE 309 (3)** (MATH 241 and PHYS 132. ENGL 149†)	*Air Quality Engineering* **ENVE 325 (4)** (CHEM 125 or 128)	*Groundwater Hydraulics and Hydrology* **CE 434 (4)** (CE 336)	**Approved Technical Elective (4)[1]** ***	*Industrial Pollution Prevention* **ENVE 450 (4)** (ENVE 331)
Programming Applications in Engineering **CE 251 (2)** (CE 113; MATH 244; CE 204 or CE 208†)	*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 *Intro Haz Waste Mgmt* **ENVE 436 (4)***	*Envir Health & Safety* **ENVE 455 (4)*** OR *Bioremediation Eng* **ENVE 443 (4)***
Intro. to the Environmental Engineering Profession **ENVE 111 (1)**	*Water Resources Engineering* **CE 336 (4)** (ME 341 or ENVE 264. CE 337†)		*Civil Engineering Professional Practice* **CE 465 (1)** (Sr standing and Instr consent)	**Approved Technical Elective (2)[1]** ***	*Mass Transfer Operations* **ENVE 421 (4)** (ENVE 325, 331, 304 or ME 302, ENVE 264 or ME 341)
	Hydraulics Laboratory **CE 337 (1)** (ENVE 264 or ME 341. CE 336†)				
Intro to Environmental Engineering **ENVE 331 (4)** (CHEM 125 or 128, MATH 242 or 244†)	*Geotechnical Engineering* **CE 381 (4)** (CE 207 or 208; ME 341 or ENVE 264)		*Senior Project Design Laboratory I & II* **ENVE 466 (2)** (ENVE 438; CE 336; Sr Standing; CE 465†)	**ENVE 467 (2)** (ENVE 466)	*Air Quality Measurements* **ENVE 426 (3)** (ENVE 325, CHEM 212/312, ENVE 264 or ME 341, STAT 312, and ENGL 149)
Chose one: **MCRO 221 (4)*** *or* **MCRO 224 (5)*** [B2]	*Statistical Methods for Engineers* **STAT 312 (4)** (MATH 142) [B6]	*Survey of Organic Chemistry* **CHEM 312 (5)** (CHEM 125 or 128)	**Approved Technical Elective (4)[1]** ***	*Water Chemistry & Water Quality Measurements* **ENVE 434 (4)** (CHEM 125 or 129, ENVE 330 or 331)	
	Upper-Division C (4) combine with USCP if still needed				
Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					
15-16	18	17	15	16	15

Notes:

* Refer to current catalog for prerequisites.
*** To be selected in consultation with your academic advisor.
† Course can be taken previously or concurrently.
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
[1] 10 units Technical Electives. See catalog for course options. Consult advisor.

Legend:

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

Major
Support
General Ed.