

# ENVIRONMENTAL ENGINEERING

Building 13, Room 266 805-756-2947 ceenve.calpoly.edu

### PROGRAM DESCRIPTION

Environmental engineering encompasses the interrelation of people, materials and processes in a complex and changing environment. It is a broad field that includes control of air and water pollution, environmental health and safety, solid waste and more. We offer a sound background in the fundamentals of thermodynamics, fluid mechanics, mass transfer, water resources and geotechnical engineering. The problem-oriented approach to instruction in modern, well-equipped laboratories provides an excellent opportunity to gain experience and understanding of the discipline.

## **OUR MISSION**

To prepare graduates for practice in professional engineering, emphasizing Cal Poly's Learn by Doing philosophy integrating design throughout the curriculum, especially in the numerous design-centered laboratories. Students demonstrate their understanding of engineering knowledge and their ability to apply that knowledge creatively to practical problems.

166
undergraduate
students

enrolled in environmental engineering 41 graduate students

enrolled in the blended B.S. and M.S. programs

# LABS INCLUDE:

- Bio-Environmental Engineering Lab
- Building Information Modeling Lab
- Environmental Protection Engineering Lab
- · Geotechnical Engineering Lab
- Environmental Engineering Chemical Wet Lab
- Computer Lab
- Advanced Geotechnical Engineering Lab
- Pavement and Advanced Materials Lab
- Hal Cota Air Measurements Lab
- Computer-Aided Design Lab
- Water Resources Lab

## **ASSOCIATED CLUBS**

Student clubs are an integral part of our department curriculum and give our students unique, hands-on opportunities to become successful and resourceful professionals in their fields. Clubs include:

- Cal Geo
- Cal Poly Concrete Canoe
- Cal Poly Rainworks
- Steel Bridge
- · Chi Epsilon Honor Society
- Engineers for a Sustainable World
- Engineers Without Borders
- Institute of Transportation Engineers
- Society of Civil Engineers
- · Society of Environmental Engineers
- · Society of Women Engineers

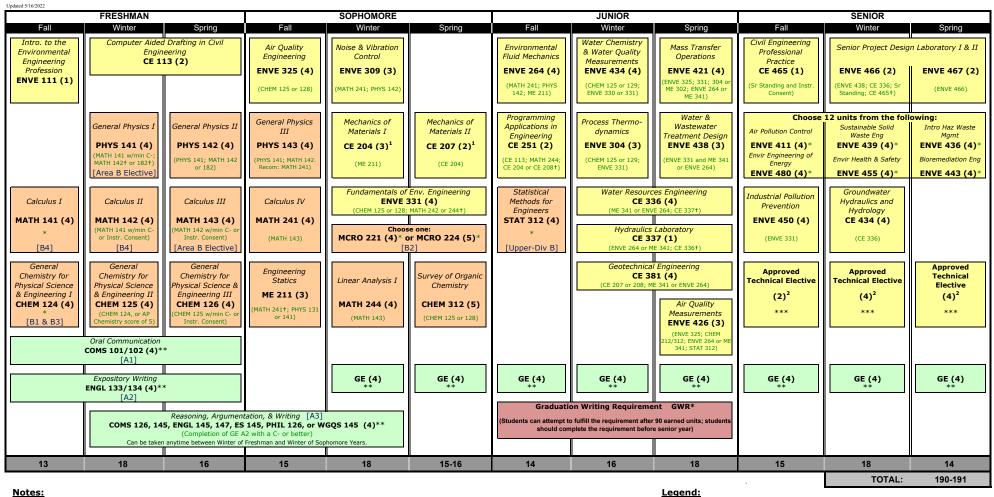
Environmental engineers may find employment with various private and public organizations, including federal, state and local governments. They may design, plan and implement measures improving recycling, waste disposal and treatment, public health and pollution control technology.

# ENVIRONMENTAL ENGINEERING GRADUATES



# B.S. IN ENVIRONMENTAL ENGINEERING

Suggested Four-year Academic Flowchart • 2022-2026 Catalog



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

- \* Refer to current catalog for prerequisites.
- \*\* One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, Lower-Division E, and F. Upper-Division C should be taken only after Junior standing is reached (90 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: C1, Upper-Division C, D1, D2, Upper-Division D, or E.

- \*\*\* To be selected in consultation with your academic advisor.
- † Course can be taken previously or concurrently.
- <sup>1</sup> Transfer students take CE 208 (5) in the Fall Quarter in place of both CE 204 (3) and CE 207 (2).
- $^{2}\,$  10 units Technical Electives. See catalog for course options. Consult advisor.

