

Civil Engineering



Program Highlights

- Dive deep into one of the oldest engineering disciplines responsible for maintaining society's infrastructure.
- Explore the sub-disciplines within civil engineering: structural, transportation, construction and geotechnical.
- Consider costs, government regulations and environmental hazards during the planning and risk-analysis stages of a project.
- Review case studies that highlight the role civil engineers play in society, and discuss the variety of career paths.

Campus Locations

Cal Poly

- June 28-July 10, 2020
- July 12-July 24, 2020

Academic Course Overview

The course includes a review of the subdisciplines within Civil Engineering including: structural, water, geotechnical, transportation, construction, and environmental. There will be hands-on building and testing in the laboratory to verify and assess uncertainties of the theory used in practice along with presentations and computer simulations to further explore the oldest branch of engineering.

For students who enjoy both inventive and practical skills, civil engineering can be a rewarding career. Case studies will be presented to highlight the role civil engineers play in the well-being of society and a discussion of career options.

Career Exploration Top civil engineers wear many hats in their roles, ranging from designer and strategist to project manager and problem solver. Through guest speakers and excursions, you'll gain an overview of college and career options. The Civil Engineering program at Cal Poly has quickly grown into one of the largest and most respected programs in California and the nation.

Curriculum Advisor and Instructor - Eric Kaspar, Ph.D.

Eric P. Kaspar received his Ph.D. at the University of California at Berkeley in 1997 and is a professor within the Civil & Environmental Engineering Department at California Polytechnic State University. In addition to teaching courses in structural engineering Professor Kaspar has served for many years as a co-advisor to the nationally ranked Civil Engineering club on campus and also serves as co-advisor to the award winning Concrete Canoe and Steel Bridge teams.

To bring real life experience and case studies to the classroom, Dr. Kasper also works as a consultant for companies throughout the world

Tuition

- **Residential Students:** \$4,998
 - Includes: all meals, lodging, excursions, academic program, weekend excursions
 - Excludes: optional airport pickup and drop off service (available for an additional fee)

- **Commuter Students:** \$2,798
 - Includes: academic program, excursions, programming from 9am to 5pm, Monday-Friday
 - Excludes: lodging, breakfast, dinner, weekend excursions

- **Extended Commuter Students:** \$3,398
 - Includes: lunch, dinner, excursions, academic program, programming from 9am to 8pm, weekend excursions
 - Excludes: lodging, breakfast