The BioResource and Agricultural Engineering Department at Cal Poly is dedicated to advancing the study, teaching and practice of engineering and systems management support for agriculture. From day one, students are immersed in Learn by Doing, laboratory-intensive classes designed to hone their problem-solving skills and provide them with the necessary tools and opportunities to build what they design.

The department’s state-of-the-art laboratories allow students to work with the most current technology in expansive outdoor and indoor facilities. Cal Poly’s bioresource and agricultural engineering graduates can manage advanced technologies, and they are eager and able to engineer solutions to the problems of resources and systems.

Graduates of Cal Poly’s BioResource and Agricultural Engineering Department are in high demand. The department’s reputation for producing well-educated, experienced and workplace-ready graduates is well established throughout California, the U.S. and abroad.

**MAJORS:** Agricultural Systems Management; BioResource & Agricultural Engineering  
**MINORS:** Geographic Information Systems; Water Science  
**GRADUATE PROGRAMS:** Water Engineering; Agriculture, Specialization in Irrigation; Agriculture, Specialization in Ag Engineering Technology
DEPARTMENT HIGHLIGHTS

Irrigation Training and Research Center (ITRC)

The ITRC was established in 1989 as a center of excellence, building on a history of contributions to the irrigation industry. The first commitment of the ITRC is to enhance Cal Poly’s strong irrigation teaching program through outside activities in training, research and technical support. Cal Poly and the ITRC combine sophisticated theory with a hands-on approach to provide a usable product.

$52,000
Median salary of agricultural systems management major graduates within one year of graduation.

$65,000
Median salary of bioresource and agricultural engineering major graduates within one year of graduation.

Student Clubs

Department clubs include local chapters of the Agricultural Engineering Society, the American Society of Agricultural and Biological Engineers, and the Student Mechanical Branch. The department also hosts the annual Tractor Pull at Cal Poly’s Open House.

National Student Competitions

The Quarter Scale Tractor Team and Precision Ag and Automation Club participate in the annual American Society of Agricultural and Biological Engineers National Student Design Competitions.

Program Vision

WATER  FOOD SYSTEMS ENGINEERING AND MANAGEMENT  BIOMECHANICAL SYSTEMS & AGRICULTURAL AUTOMATION  AGRICULTURAL SAFETY  BIOENERGY

Interdisciplinary

College of Agriculture, Food and Environmental Sciences  BioResource and Agricultural Engineering  College of Engineering  Industry

CONNECT

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