NATURAL RESOURCES MANAGEMENT AND ENVIRONMENTAL SCIENCES

OVERVIEW

Cal Poly’s Natural Resources Management and Environmental Sciences Department prepares passionate leaders who drive change in sustainability and stewardship of the environment and restoration of land resources related to soil, water, forests, range and wildlife.

STUDENT IMPACT

During the summer of 2019, I participated in the college’s Summer Undergraduate Research Program doing GIS work. During this academic year, I worked with an on-campus group to create algae biofuel. Both of these opportunities enhanced my learning experience and gave me so much insight into what I want to do after I graduate.”

SOPHIE MOSER, environmental management and protection major

MAJORS

ENVIRONMENTAL EARTH AND SOIL SCIENCES
CONCENTRATIONS:
- GEOLOGY
- HYDROLOGY

ENVIRONMENTAL MANAGEMENT AND PROTECTION
CONCENTRATIONS:
- WATERSHED MANAGEMENT AND HYDROLOGY
- WILDLIFE BIOLOGY

FOREST AND FIRE SCIENCES
CONCENTRATIONS:
- WATERSHED MANAGEMENT AND HYDROLOGY
- WILDLAND FIRE AND FUELS MANAGEMENT
- WILDLIFE BIOLOGY

MINORS

- GEOGRAPHIC INFORMATION SYSTEMS
- INDIGENOUS STUDIES IN NATURAL RESOURCES AND THE ENVIRONMENT
- LAND REHABILITATION AND RESTORATION ECOLOGY
- RANGELAND RESOURCES
- WATER SCIENCE
- ENVIRONMENTAL SOIL SCIENCE

GRADUATE PROGRAM

- MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE AND MANAGEMENT WITH SPECIALIZATIONS IN: FOREST SCIENCE, HYDROLOGY, SOIL SCIENCE, ENVIRONMENTAL POLICY OR SUSTAINABILITY
DEPARTMENT HIGHLIGHTS

THE URBAN FOREST ECOSYSTEMS INSTITUTE

This program addresses the increasing need for improved management of the urban forests in California. The institute features online resources for tree selection, identification and care; tree health; urban wood use; and urban forest management.

SWANTON PACIFIC RANCH

The 3,200-acre Swanton Pacific Ranch is composed of majestic redwood and Douglas fir forests, lush riverine ecosystems, and expansive coastal grassland overlooking Monterey Bay and the Pacific Ocean. Students live and learn on this working range, developing career skills, learning current technologies and conducting diverse research projects.