



**CAL POLY**

College of Agriculture, Food  
& Environmental Sciences

# NATURAL RESOURCES MANAGEMENT AND ENVIRONMENTAL SCIENCES

DEPARTMENT

## 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.

### MAJORS

#### ENVIRONMENTAL EARTH AND SOIL SCIENCES

*CONCENTRATIONS:*

GEOLOGY  
HYDROLOGY

#### ENVIRONMENTAL MANAGEMENT AND PROTECTION

*CONCENTRATIONS:*

WATERSHED MANAGEMENT  
AND HYDROLOGY  
WILDLIFE BIOLOGY

#### FORESTRY AND NATURAL RESOURCES

*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
- RANGELAND RESOURCES
- SOIL SCIENCE
- WATER SCIENCE
- ENVIRONMENTAL SOIL SCIENCES

### GRADUATE PROGRAM

- MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE AND MANAGEMENT

**\$47,300**

MEDIAN SALARY OF **ENVIRONMENTAL  
MANAGEMENT AND PROTECTION** MAJOR  
WITHIN ONE YEAR OF GRADUATION.



## ON THE JOB CAREERS

Environmental consultant  
Environmental technician  
Forester  
Natural resource manager

### TOP EMPLOYERS

California Department of Forestry  
and Fire Protection  
Environmental Science Associates  
Solar City  
USDA Natural Resources  
Conservation Service (NRCS)



## STUDENT CLUBS

Association of Environmental  
Professionals  
Environmental Sciences Club  
Logging Team  
Society of American Foresters  
Soil Judging Team  
Student Association for Fire  
Ecology  
Xi Sigma Pi

**T**hree undergraduate degree programs provide students with a broad understanding of and the ability to manage the natural environment; improve the utilization and stewardship of land, water and atmospheric resources; and protect and manage forests and natural resources. Students have the unique opportunity to live and learn at the 3,200-acre forest at Swanton Pacific Ranch in Santa Cruz County. This distinctive living laboratory provides students with Learn by Doing opportunities that are second-to-none. Working hand-in-hand with expert faculty, students

study the methods of resource conservation applied through sustainable management techniques.

Faculty-led field trips provide another avenue to innovatively teach students. Students taking silviculture, seismology, geomorphology, applied geophysics, watershed management and structural geology have traveled to the Santa Ynez Mountains, Sierra Nevada, San Andreas fault zone, Transverse Ranges, the Carrizo Plain, Pallett Creek in the San Gabriel Mountains, San Emigdio Mountains, Elkhorn Plain and Lake Isabella.

## 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.

## CONNECT

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