



Rangeland Resource Science, B.S.

Rangeland Resources is applied terrestrial ecology. You learn through practical experience—a given at Cal Poly Humboldt. You'll get hands-on learning in some of the world's most spectacular and important rangeland ecosystems, personal attention from faculty, and a clear path to a career outdoors.

Experience Your Learning

Our program arguably spends more time in the field than any other major on campus and students participate in contests and workshops.

The Range and Soils club aims to spread awareness and inspire students to be passionate about land stewardship and America's rangelands. Members fundraise for the Range Plant Identification Team, which travels to the Society for Range Management each year to compete. They also fundraise for the collegiate Soil Judging Team.

The Forest and Range herbarium includes numerous forest and rangeland plants, providing an opportunity for hands-on plant identification. Cal Poly Humboldt offers a course in Agrostology (the study of grasses and grasslike plants) through its Botany program in alternate fall semesters.



Did you know?

- Our curriculum fulfills the educational requirements to take the exam to become a California Certified Rangeland Manager through the Board of Forestry.
- For 50 years employers have sought out the quality and specialized skill sets they know Humboldt Range and Soils students and alumni have. We teach and learn about applied terrestrial ecology; developing expertise in soils, plants, animals, and related human interactions.
- We are surrounded by private and public rangelands, which give unparalleled opportunities for research and internships and other applied learning.



Academics & Options

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Students can choose to concentrate in wildland soils or complete the major without a concentration. Those choosing not to have a concentration are looking for a career in rangeland resource management for wildlife and fisheries habitats, recreation, watershed values, open space, and biofuels, in addition to traditional uses such as livestock grazing, and food and fiber production.

Wildland Soils

This concentration is usually favored by those looking for a career as wildland soils managers working to prevent erosion, keep our surface waters clean, and help determine appropriate land uses based on soil resources.

Minors

- Rangeland Resource Science Minor
- Wildland Soil Science Minor



Careers

Forestry and rangeland scientists are in high demand. Our graduates have gone onto careers in private and public sectors, and tribal and nonprofit conservation agencies. They hold leadership positions at land management agencies and teach at major universities.

- Rangeland Management Specialist
- Soil Scientist
- Soil Conservationist
- Biological Science Technician
- GIS Application Specialist
- Habitat Restoration Specialist
- Hunting/Fishing Guide
- Land Management Supervisor
- Natural Resource Specialist
- Watershed Technician



The program offers a 'small family' feeling that I think would be hard to find in other, larger programs. Cal Poly Humboldt's Rangeland Resource Program also has a great reputation in the range world and the hands-on learning I encountered in the majority of my classes really prepared me for work in the field. The faculty and staff are extremely knowledgeable and dedicated to maintaining an amazing program and providing meaningful opportunities and resources to the students."

Kaelie Peña ('17, Rangeland Resource Science), rangeland management specialist, works on the management and administration of National Forest livestock grazing allotments.