

NATURAL RESOURCES

Master of Science degree in Natural Resources — concentrations in:

Environmental Science & Management
Fisheries
Forest, Watershed & Wildland Sciences
Wildlife

Minor in Natural Resources (see Environmental Science & Management)

Natural Resources Graduate Program

Forestry Building 101
707-826-3256
cnrs.humboldt.edu

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Admission Requirements

Students must have:

- undergraduate preparation equivalent to a bachelor's degree in the selected concentration;
- minimum undergraduate grade-point average of 3.0 for the last 60 units;
- minimum score of 150 in the Verbal section and minimum score of 150 in the Quantitative section on the general Graduate Record Exam (GRE);
- GPA or GRE requirements may be accepted by extensive work experience or exceptional GRE score or GPA.

Supporting Materials

Please refer to the college website cnrs.humboldt.edu for information regarding supporting materials.

REQUIREMENTS FOR THE MASTER'S DEGREE

Environmental Science & Management

ESM graduate studies are oriented toward environmental analysis and land use planning; environmental science, particularly ecological restoration, renewable energy, and energy policy; recreational use of natural resources; and geospatial analysis of environmental and natural resource-related topics.

- Required courses: ESM 690 and ESM 695
- Enrollment in ESM 685 is required during each semester of residence. A maximum of two units is applicable to the 30-unit requirement.

- Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.
- Students must enroll in one unit of ESM 690 and one unit of ESM 695 during each semester of residence. Students may enroll in one unit through the College of Extended Education & Global Engagement their final semester if approved by their advisor.
- A thesis, a public oral presentation, and a closed formal defense are required.

Fisheries

The Fisheries program is designed primarily to produce graduates who can assess, develop, and manage fish habitats, populations, and commercial and recreational fisheries. The program is broad enough to allow students to prepare themselves for work in additional areas such as water pollution ecology and fish culture.

- Required courses: FISH 310, FISH 460, FISH 558, FISH 685, FISH 690, FISH 695, or equivalents.
- Approved upper division and graduate electives to bring total units to no fewer than 30 and no more than 60 units. At least half of these units must be courses organized and conducted at the graduate level.
- During the first four semesters at HSU, all graduate students shall enroll in three units each of FISH 690 and FISH 695. In all subsequent semesters in residence, students shall enroll in at least one unit each of FISH 690 and FISH 695.
- A thesis, a public oral presentation, and a closed formal defense are required.

Forest, Watershed & Wildland Sciences

Graduate studies in Forest, Watershed & Wildland Sciences are oriented toward generating a greater understanding of the ecology and management of forests, rangelands, and the soils and watersheds that support them. Graduate research is focused on a wide variety of topics, including forest ecology, fire science, forest growth and dynamics, forest operations analysis, watershed processes, rangeland ecology

soil science, and integrative analyses across these areas.

- Required courses: FWWS 501, FWWS 690, and FWWS 695. All students are required to enroll in at least one unit of at least two of the following courses every semester: FWWS 690, FWWS 695, or FWWS 699.
- Approved upper division and graduate electives bringing the total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.
- A thesis, a public oral presentation, and a closed formal defense are required.

Wildlife

Wildlife focuses on the conservation, management, ecology, behavior, and habitat requirements of wildlife species. Research projects emphasize the application of science to addressing issues in wildlife conservation and management.

- Required courses: WLDF 585, WLDF 690, WLDF 695
- Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.
- A thesis, a public oral presentation, and a closed formal defense are required.

