Natural Resources Major with Wildland Fire Ecology Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. This option will help students understand the nature of fire in wildland ecosystems. It includes an understanding of the dynamics of fire behavior and post-fire response.

Your Bachelor’s Degree (BS) in Natural Resources

- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- More info at forestry.oregonstate.edu/undergraduate-programs/natural-resources/wildland-fire-ecology

Courses Required for Natural Resources Major

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### NR Core Requirements (continued)

**Social Issues**
- Management for Multiple Resource Values
- Issues in Natural Resource Conservation
- Global Crises in Resource Ecology
- Sustainability for the Common Good
- Climate Change, Water and Society
- Resilience-Based Natural Resource Mgmt
- Global Resource Development
- When Science Escapes the Lab
- Social Dimensions of Sustainability
- Rural Sociology
- Environmental Sociology
- Society and Natural Resources
- Social Dimensions of Sustainability
- Recreation Resource Management
- Outdoor Recreation on Public Lands
- Wilderness Management
- Nature, Eco, and Adventure Tourism
- Communities, Natural Areas, and Tourism
- Women and Natural Resources

**Spatial Analysis**
- Precision Agriculture
- GIS and Forest Engineering Applications
- Survey of Geographic Information Systems
- Foundations of Geospatial Science & GIS
- Geoscience I: GIS and Theory

**Courses Required for Wildland Fire Ecology Option**

**Measurements**
- Field Methods in Plant Ecology
- Field Sampling of Fish & Wildlife
- Geoscience I: GIS & Theory

**Ecological Restoration**
- Wildland Fire Ecology
- Ecological Restoration and Ecology

**Economics and Policy of Forest Wildland Fire**
- Economics and Policy of Forest Wildland Fire
- Wildland Fire Science and Management

**Ecological & NR Elect: Choose 22-23 cr:**
- Plant Ecology
- Forest Pathology
- Agrostology
- Flora of the Pacific Northwest
- Weed Management
- Forest Surveying
- Forest Watershed Management
- Forest Ecology
- Forest Types of the Northwest
- Forest Entomology
- Biodiversity Conservation in Managed Forests
- Topics in Wildland Fire
- Economics and Policy of Forest Wildland Fire
- Silviculture Principles
- Applied Community and Ecosystem Ecology
- Freshwater Ecology and Conservation
- Mammal Conservation and Management
- Wetlands and Riparian Ecology
- Wildlife Ecology
- Scientific Methods for Analyzing NR Problems
- Ecosystems of Wildland Soils
- Soil Systems and Plant Growth
- Soil Morphology and Classification
General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of Clatsop CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-clatsop-community-college

<table>
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<th>SKILLS COURSES</th>
<th>Math</th>
<th>Writing I</th>
<th>Writing II</th>
<th>Speech (Writing III)</th>
<th>Fitness</th>
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<td>Perspective Courses</td>
<td>Biological Science</td>
<td>Physical Science</td>
<td>Additional Biological or Physical Science</td>
<td>Cultural Diversity</td>
<td>Literature and the Arts</td>
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<td>Completed as part of major: Biology I</td>
<td>Completed as part of major: Chemistry</td>
<td>Completed as part of major: Biology II</td>
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<td>DPD COURSE</td>
<td>Difference, Power, &amp; Discrimination</td>
<td>Can be completed as part of major: see advisor</td>
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<td>SYNTHESIS COURSES</td>
<td>Contemporary Global Issues</td>
<td>Science, Technology, &amp; Society</td>
<td>Upper division course, take through OSU</td>
<td>Upper division course, take through OSU</td>
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</table>

Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. See your community college advisor first and use this Transfer Guide to help you plan. It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

| Clatsop Community College | clatsopcc.edu/academic-planning/academic-advising/ |
| OSU College of Forestry Prospective Student Advisor | Autumn Granger 541-737-9135 Autumn.granger@oregonstate.edu |