# Natural Resources Minor

Also available at OSU-Cascades and via Ecampus.

Students majoring in other programs at OSU can choose to complete the Natural Resources minor. The minor is intended to provide a broad exposure to the natural resources field. It offers course work that integrates a number of natural resource disciplines.

## Minor Code: 643

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 201</td>
<td>Managing Natural Resources for the Future</td>
<td>3</td>
</tr>
<tr>
<td>FES 485</td>
<td>*Consensus and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select three courses from the following:</td>
<td></td>
</tr>
<tr>
<td>FOR 111</td>
<td>Introduction to Forestry</td>
<td>3</td>
</tr>
<tr>
<td>or FES 342</td>
<td>Forest Types of the Northwest</td>
<td></td>
</tr>
<tr>
<td>FW 251</td>
<td>Principles of Fish and Wildlife Conservation</td>
<td>3</td>
</tr>
<tr>
<td>NR 202</td>
<td>Natural Resource Problems and Solutions</td>
<td>3</td>
</tr>
<tr>
<td>RNG 121</td>
<td>*Introduction to Wildland Ecology</td>
<td>3</td>
</tr>
<tr>
<td>or RNG 341</td>
<td>Rangeland Ecology and Management</td>
<td></td>
</tr>
<tr>
<td>SUS 102</td>
<td>*Introduction to Environmental Science and Sustainability</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from any of the following focus areas of the Resource Management Group: 6-9

### Environmental Assessment and Planning

- FES/FW 445: Ecological Restoration
- FW 462: Ecosystem Services
- GEOG 250: *Land Use Planning for Sustainable Communities
- GEOG 450: Land Use in the American West
- GEOG 451: Planning Principles and Practices for Resilient Communities
- GEOG 452: Sustainable Site Planning
- NR 325: Scientific Methods for Analyzing Natural Resource Problems
- RNG 421: Wildland Restoration and Ecology
- RNG 490: Rangeland Management Planning
- SUS 304: *Sustainability Assessment
- SUS 350: *Sustainable Communities
- TRAL 456: Planning for Sustainable Recreation
- TRAL 457: Planning for Sustainable Tourism

### Fisheries and Marine Sciences

- BI 150: Introduction to Marine Biology
- BI 347: *Oceans in Peril
- BI 351: Marine Ecology
- FW 302: Biology and Conservation of Marine Mammals
- FW 320: Introductory Population Dynamics
- FW 426: Coastal Ecology and Resource Management
- FW 454: *Fishery Biology
- FW 465: Marine Fisheries
- FW 473: Fish Ecology
- FW 481: Wildlife Ecology
- OC 201: *Oceanography
- OC 332: Coastal Oceanography

### Forestry

- FE/FOR 456: International Forestry
- FES 240: *Forest Biology
- FES 241: Forest Ecology
- FES 242: Forest Types of the Northwest
- FES/HORT 350: Urban Forestry
- FES 440: Wildland Fire Ecology

### Land and Water

- FES/FW 445: Ecological Restoration
- FES/FW 452: Biodiversity Conservation in Managed Forests
- FES/NR 477: *Agroforestry
- FOR 346: Topics in Wildland Fire

### Range

- FE 430: Watershed Processes
- FE 434: Forest Watershed Management
- FW 326: Integrated Watershed Management
- FW 456: Freshwater Ecology and Conservation
- FW 479: Wetlands and Riparian Ecology
- GEO 308: *Global Change and Earth Sciences
- GEOD 440: Water Resources Management in the United States
- GEOD 441: International Water Resources Management
- RNG 355: Desert Watershed Management
- RNG 455: Riparian Ecodrology and Management
- SOIL 366: Ecosystems of Wildland Soils
- SOIL 388: Soil Systems and Plant Growth
- SOIL 395: **World Soil Resources

### Ethics and Philosophy

- AG 301: *Ecosystem Science of Pacific NW Indians
- ANTH 352: *Anthropology, Health, and Environment
- FW 340: *Multicultural Perspectives in Natural Resources
- GEO 309: *Environmental Justice
- HST 481: *Environmental History of the United States
- NR 312: Critical Thinking for Natural Resource Challenges
- PHIL 440: *Environmental Ethics
- PHIL/REL 443: *World Views and Environmental Values

### Natural Resource Policy

- AEC 432: Environmental Law
- AEC 454: Rural Development Economics and Policy
- FES 486: *Public Lands Policy and Management
- FOR 450: *Forest Policy
- FOR 462: Natural Resource Policy and Law
- FW 415: Fisheries and Wildlife Law and Policy
- FW 422: Introduction to Ocean Law
- PS 473: US Energy Policy

### Political Issues

- ENT/HORT 300: *Plagues, Pests, and Politics
- FW 350: *Endangered Species, Society and Sustainability
- NR 351: *When Science Escapes the Lab: Science and Resource Management
- PS 455: *The Politics of Climate Change
- PS 475: Environmental Politics and Policy
- PS 477: International Environmental Politics and Policy

### Resource Economics

- AEC 351: *Natural Resource Economics and Policy
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC/ECON 352</td>
<td>ENVIRONMENTAL ECONOMICS AND POLICY</td>
</tr>
<tr>
<td>AEC 454</td>
<td>RURAL DEVELOPMENT ECONOMICS AND POLICY</td>
</tr>
<tr>
<td>FOR 330</td>
<td>FOREST RESOURCE ECONOMICS I</td>
</tr>
<tr>
<td><strong>Social Issues</strong></td>
<td></td>
</tr>
<tr>
<td>FES 355</td>
<td>MANAGEMENT FOR MULTIPLE RESOURCE VALUES</td>
</tr>
<tr>
<td>FES 365</td>
<td>ISSUES IN NATURAL RESOURCES CONSERVATION</td>
</tr>
<tr>
<td>FW 325</td>
<td>GLOBAL CRISSES IN RESOURCE ECOLOGY</td>
</tr>
<tr>
<td>GEOG 240</td>
<td>HUMAN DIMENSIONS OF CLIMATE CHANGE</td>
</tr>
<tr>
<td>GEOG 300</td>
<td>SUSTAINABILITY FOR THE COMMON GOOD</td>
</tr>
<tr>
<td>GEOG 430</td>
<td>RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT</td>
</tr>
<tr>
<td>SOC 381</td>
<td>SOCIAL DIMENSIONS OF SUSTAINABILITY</td>
</tr>
<tr>
<td>SOC 480</td>
<td>ENVIRONMENTAL SOCIOLOGY</td>
</tr>
<tr>
<td>SOC 481</td>
<td>SOCIETY AND NATURAL RESOURCES</td>
</tr>
<tr>
<td>SUS 420</td>
<td>SOCIAL DIMENSIONS OF SUSTAINABILITY</td>
</tr>
<tr>
<td>TRAL 351</td>
<td>OUTDOOR RECREATION MANAGEMENT ON PUBLIC LANDS</td>
</tr>
<tr>
<td>TRAL 352</td>
<td>WILDERNESS MANAGEMENT</td>
</tr>
<tr>
<td>TRAL 354</td>
<td>COMMUNITIES, NATURAL AREAS, AND SUSTAINABLE TOURISM</td>
</tr>
</tbody>
</table>

Total Hours: 27-34

* Baccalaureate Core Course (BCC)
^ Writing Intensive Course (WIC)

Minor Code: 643