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>Credits</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>
</tbody>
</table>

Select three courses from the following: 9-11

- FOR 111  INTRODUCTION TO FORESTRY
- or FES 342  FOREST TYPES OF THE NORTHWEST
- FW 251  PRINCIPLES OF FISH AND WILDLIFE CONSERVATION
- NR 202  NATURAL RESOURCE PROBLEMS AND SOLUTIONS
- RING 121  *INTRODUCTION TO WILDLAND ECOLOGY
- or RING 341  RANGELAND ECOLOGY AND MANAGEMENT
- SUS 102  *INTRODUCTION TO ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

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

Environmental Assessment and Planning

- FES 445/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
- RING 412  WILDLAND RESTORATION AND ECOLOGY
- RING 460  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  INTRODUCTION TO 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 456/FOR 456  *INTERNATIONAL FORESTRY
- FES 240  *FOREST BIOLOGY
- FES 241  FOREST ECOLOGY
- FES 242  FOREST TYPES OF THE NORTHWEST
- FES 350/HORT 350  URBAN FORESTRY
- FES 440  WILDLAND FIRE ECOLOGY

Land and Water

- FE 430  WILDLAND FIRE ECOLOGY
- FES 445/FW 445  ECOLOGICAL RESTORATION
- FOR 346  TOPICS IN WILDLAND FIRE

Range

- FES 440  WILDLAND FIRE ECOLOGY
- FES 445/FW 445  ECOLOGICAL RESTORATION
- FOR 346  TOPICS IN WILDLAND FIRE

Environmental Ethics

- AG 301  *ECOSYSTEM SCIENCE OF PACIFIC NW INDIGENS
- 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
- PHL 440  *ENVIRONMENTAL ETHICS
- PHL 443/REL 443  *WORLD VIEWS AND ENVIRONMENTAL VALUES

Natural Resource Policy

- AEC 432  ENVIRONMENTAL LAW
- AEC 454  RURAL DEVELOPMENT ECONOMICS AND POLICY
- FES 485  *PUBLIC LANDS POLICY AND MANAGEMENT
- FOR 460  *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 300/HORT 300  *PLAGUES, PESTS, AND POLICIES
- 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
### Natural Resources Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC 352/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>
</tbody>
</table>

**Social Issues**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<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 CRISIS 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 Credits**: 27-34

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

**Minor Code**: 643