# Environmental Sciences Minor

Also available via Ecampus.

Courses taken in the "Humans and the Environment" section of the Environmental Sciences minor must be unique to the minor and cannot be used to satisfy major or other minor requirements. Course substitutions must be selected in consultation with an environmental sciences advisor. Substitutions must cover material in the same course category (natural environmental systems or humans and the environment) at a similar or higher level. Credits must sum to a minimum of 27.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Natural Environmental Systems Core</strong></td>
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<tr>
<td>ATS 420</td>
<td>PRINCIPLES OF CLIMATE: PHYSICS OF CLIMATE AND CLIMATE CHANGE</td>
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<tr>
<td>or GEOG 323</td>
<td>CLIMATOLOGY</td>
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<tr>
<td>BI 370</td>
<td>ECOLOGY</td>
<td>3</td>
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<tr>
<td>or FES 341</td>
<td>FOREST ECOLOGY</td>
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Select one of the following: 3-4
- GEO 202  *EARTH SYSTEMS SCIENCE
- GEO 221  *ENVIRONMENTAL GEOLOGY
- SOIL 205  SOIL SCIENCE
- SOIL 395  *WORLD SOIL RESOURCES

Select one of the following: 3-4
- OC 201  *OCEANOGRAPHY
- FW 456  FRESHWATER ECOLOGY AND CONSERVATION
- GEO 487  HYDROGEOLOGY
- GEOG 340  *INTRODUCTION TO WATER SCIENCE AND POLICY

**Humans and the Environment**

Select at least one course in each of the following five categories to bring the total number of credits to 27 or more

**Economics**

Select at least one course from the following: 3-4
- AEC 250  *INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY
- ECON 201  *INTRODUCTION TO MICROECONOMICS
- ECON 202  *INTRODUCTION TO MACROECONOMICS
- FW 462  ECOSYSTEM SERVICES

**Environmental Law and Policy**

Select at least one course from the following: 3-4
- AEC 253  *ENVIRONMENTAL LAW, POLICY, AND ECONOMICS
- AEC 351  *NATURAL RESOURCE ECONOMICS AND POLICY
- AEC 352  *ENVIRONMENTAL ECONOMICS AND POLICY
- AEC 432  ENVIRONMENTAL LAW
- FOR 462  NATURAL RESOURCE POLICY AND LAW
- FW 415  FISHERIES AND WILDLIFE LAW AND POLICY
- PS 475  ENVIRONMENTAL POLITICS AND POLICY
- PS 476  *SCIENCE AND POLITICS
- PS 477  INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY
- SOC 360  *POPULATION TRENDS AND POLICY

**Ethics and Environmental Ethics**

Select at least one course from the following: 3-4
- ANTH 481  *NATURAL RESOURCES AND COMMUNITY VALUES
- CH 374  *TECHNOLOGY, ENERGY, AND RISK
- FES 435  *GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK
- FES 485  *CONSENSUS AND NATURAL RESOURCES
- FW 340  *MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES
- GEO 309  *ENVIRONMENTAL JUSTICE
- HEL 325  *SCIENTIFIC REASONING
- HEL 343  PHILOSOPHY OF NATURE
- HEL 443  *WORLD VIEWS AND ENVIRONMENTAL VALUES
- HEL 448  NATIVE AMERICAN PHILOSOPHIES
- or ES 448  NATIVE AMERICAN PHILOSOPHIES
- PS 461  ENVIRONMENTAL POLITICAL THEORY
- SOC 456  *SCIENCE AND TECHNOLOGY IN SOCIAL CONTEXT
- SOC 480  *ENVIRONMENTAL SOCIOLOGY
- SOC 481  *SOCIETY AND NATURAL RESOURCES
- WGSS 440  *WOMEN AND NATURAL RESOURCES

**Human Environment**

Select at least one course from the following: 3-4
- AG 301  *ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS
- BI 301  *HUMAN IMPACTS ON ECOSYSTEMS
- BI 348  *HUMAN ECOLOGY
- ENSC 479  **ENVIRONMENTAL CASE STUDIES
- FW 470  *ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN
- GEO 308  *GLOBAL CHANGE AND EARTH SCIENCES
- GEOG 300  *SUSTAINABILITY FOR THE COMMON GOOD
- HST 481  *ENVIRONMENTAL HISTORY OF THE UNITED STATES
- SOIL 395  *WORLD SOIL RESOURCES
- Z 349  *BIODIVERSITY: CAUSES, CONSEQUENCES, AND CONSERVATION

**Environmental Management**

Select at least one course from the following: 3-4
- FES 355  MANAGEMENT FOR MULTIPLE RESOURCE VALUES
- FES 365  *ISSUES IN NATURAL RESOURCES CONSERVATION
- FES 445  ECOLOGICAL RESTORATION
- or FW 445  ECOLOGICAL RESTORATION
- FOR 346  TOPICS IN WILDLAND FIRE
- FW 251  PRINCIPLES OF FISH AND WILDLIFE CONSERVATION
<table>
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<tr>
<td>FW 323</td>
<td>MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST</td>
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<tr>
<td>FW 326</td>
<td>INTEGRATED WATERSHED MANAGEMENT</td>
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<td>FW 435</td>
<td>*WILDLIFE IN AGRICULTURAL ECOSYSTEMS</td>
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<tr>
<td>FW 464</td>
<td>MARINE CONSERVATION BIOLOGY</td>
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<tr>
<td>FW 479</td>
<td>WETLANDS AND RIPARIAN ECOLOGY</td>
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<tr>
<td>GEO 306</td>
<td>*MINERALS, ENERGY, WATER, AND THE ENVIRONMENT</td>
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<tr>
<td>GEOG 431</td>
<td>GLOBAL RESOURCES AND DEVELOPMENT</td>
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<tr>
<td>GEOG 440</td>
<td>WATER RESOURCES MANAGEMENT IN THE UNITED STATES</td>
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<tr>
<td>GEOG 441</td>
<td>INTERNATIONAL WATER RESOURCES MANAGEMENT</td>
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<tr>
<td>GEOG 450</td>
<td>LAND USE IN THE AMERICAN WEST</td>
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<td>GEOG 452</td>
<td>SUSTAINABLE SITE PLANNING</td>
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<tr>
<td>HORT 350</td>
<td>URBAN FORESTRY</td>
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<tr>
<td>or FES 350</td>
<td>URBAN FORESTRY</td>
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<tr>
<td>NR 455</td>
<td>NATURAL RESOURCE DECISION MAKING</td>
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<td>PH 313</td>
<td>*ENERGY ALTERNATIVES</td>
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<td>RNG 341</td>
<td>RANGELAND ECOLOGY AND MANAGEMENT</td>
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<td>RNG 355</td>
<td>DESERT WATERSHED MANAGEMENT</td>
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<td>RNG 421</td>
<td>WILDLAND RESTORATION AND ECOLOGY</td>
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<td>RNG 490</td>
<td>RANGELAND MANAGEMENT PLANNING</td>
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Total Hours: 24-31

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

Minor Code: 758