Environmental Studies Option

This option is designed for students interested in developing a broad understanding of environmental issues from scientific and public policy perspectives. In addition to some common foundations courses (BIOB 170IN, ERTH 101IN, GPHY 121D, STAT 216Q, and PHL 322 or HSTA 470), students select 21 credits each from approved list of science and public policy courses. Twelve credits of science and of public policy must be upper division courses (300 or 400 level). Proposed substitutions must be submitted in writing to the Program Director.

### Freshman Year

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>LS 101US - Ways of Knowing</td>
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<td>WRIT 101W - College Writing I</td>
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<tr>
<td>BIOB 170IN - Principles of Biological Diversity</td>
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<td>Electives</td>
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<tr>
<td>ERTH 101IN - Earth System Sciences</td>
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<tr>
<td>GPHY 121D - Human Geography</td>
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### Sophomore Year

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<td>Electives</td>
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<tr>
<td>STAT 216Q - Introduction to Statistics</td>
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<td>Natural Science Electives (see below)</td>
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### Junior Year

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<tbody>
<tr>
<td>LS 301 - Integrative Seminar</td>
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<tr>
<td>PHL 322 - Philosophy &amp; Environment Ethics</td>
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<td>Natural Science Electives (see below)</td>
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<td>Public Policy Electives (see below)</td>
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<td>University Core</td>
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<tr>
<td>Electives</td>
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<td>Natural Science Electives (see below)</td>
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<td>Public Policy Electives (see below)</td>
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### Senior Year

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<tr>
<th>Credits</th>
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<tr>
<td>LS 301 - Integrative Seminar</td>
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<td>Natural Science Electives (see below)</td>
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<td>LS 401 - Senior Project</td>
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Natural Science Electives (see below) | 3 |
Public Policy Electives (see below) | 3 |
Electives | 5 |
Year Total: | 16 | 15 |
Total Program Credits: | 120 |

Per MSU requirements for the degree, a minimum of 42 credits must be in courses numbered 300 and above. In addition to LS 401, at least 15 credits must be in courses that apply to the Liberal Studies degree and are numbered 300 and above.

### Natural Sciences Electives to be chosen from

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall</th>
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<tbody>
<tr>
<td>ANSC 491 Special Topics</td>
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<tr>
<td>BIOB 420 Evolution</td>
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<tr>
<td>BIOE 103CS Environmental Science and Society</td>
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<tr>
<td>BIOE 370 General Ecology (equiv to 270)</td>
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<tr>
<td>BIOE 405 Behavioral and Evolutionary Ecology</td>
<td>3</td>
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<tr>
<td>BIOE 416 Alpine Ecology</td>
<td>3</td>
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<tr>
<td>BIOE 421 Yellowstone Wildlife Ecology</td>
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<td></td>
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<tr>
<td>BIOE 439</td>
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<tr>
<td>BIOE 440R Conservation Biology</td>
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<tr>
<td>BISO 162CS Insects and Human Society</td>
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<tr>
<td>BISO 220 General Botany</td>
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<td>CHMY 143 College Chemistry II</td>
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<td>CHMY 153 Honors College Chemistry II</td>
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<tr>
<td>ENSC 110 Lnd Res Environ Sciences</td>
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<td>ENSC 245IN Soils</td>
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<tr>
<td>ENSC 272CS Water Resources</td>
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<td>ENSC 444 Watershed Hydrology</td>
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<td>ENSC 454 Landscape Pedology</td>
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<td>ENSC 460 Soil Remediation</td>
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<td>ENSC 461 Restoration Ecology</td>
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<td>ERTH 212RN Yellowstone: Scientific Lab</td>
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<td>ERTH 303 Weather and Climate</td>
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<td>ERTH 307 Principles of Geomorphology</td>
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<td>ERTH 432R Surface Water Resources</td>
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<tr>
<td>GEO 103CS Intro to Envrmntl Geology</td>
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<tr>
<td>GEO 105IN Oceanography</td>
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<td>GEO 420 Hydrogeology</td>
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<td>GPHY 411 Biogeography</td>
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<td>GPHY 426 Remote Sensing</td>
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<td>GPHY 441R Mountain Geography</td>
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<td>HORT 105 Miracle Growing</td>
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<td>HORT 345 Market Gardening</td>
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<td>NRSM 101 Natural Resource Conservation</td>
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<td>NRSM 102 Montana Range Plants</td>
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<td>NRSM 240 Natural Resource Ecology</td>
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<td>NRSM 330 Fire Ecology and Mgmt</td>
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<td>NRSM 353 Grazing Ecology and Management</td>
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<td>NRSM 455 Riparian Ecology &amp; Management</td>
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<td>UNIV 125CS Microbes in the Environment</td>
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<tr>
<td>WILD 201 Intro to Fish and Wildlife</td>
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<td>WILD 438 Wildlife Habitat Ecology</td>
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Up to 12 credits required in a minor or in a second degree program may be applied toward the Natural Science and Public Policy electives.

**Public Policy electives to be chosen from**

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<tr>
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<td>Economics of Ag Business</td>
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<tr>
<td>AGBE 337</td>
<td>Agricultural Law</td>
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<td>AGSC 465R</td>
<td>Health, Agriculture, Poverty</td>
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<td>BMGT 406</td>
<td>Negotiation/Dispute Resolution</td>
<td>3</td>
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<td>BMGT 473</td>
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<td>ECHM 205CS</td>
<td>Energy and Sustainability</td>
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<td>ECNS 101IS</td>
<td>Economic Way of Thinking</td>
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<td>ECNS 132</td>
<td>Econ &amp; the Environment</td>
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<td>ECNS 317</td>
<td>Economic Development</td>
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<td>ECNS 332</td>
<td>Econ of Natural Resources</td>
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<td>GPHY 141D</td>
<td>Geography of World Regions</td>
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<td>Intro to GIS Science &amp; Cartog</td>
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<td>GPHY 321</td>
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<td>GPHY 365</td>
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<td>GPHY 384</td>
<td>Adv GIS and Spatial Analysis</td>
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<td>GPHY 461</td>
<td>Tourism Planning</td>
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<td>HSTA 468</td>
<td>History of Yellowstone</td>
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<td>HSTA 470</td>
<td>American Environmental History</td>
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<td>Sacrifice, Rite &amp; Ritual</td>
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<td>Population and Society</td>
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</table>

Up to 12 credits required in a minor or in a second degree program may be applied toward the Natural Science and Public Policy electives.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.