

Environmental Studies (Interdisciplinary Minor)

The environmental studies minor adopts an interdisciplinary approach to the development of environmental literacy and competency as it pertains to the breadth of academic disciplines at Whitworth. The minor integrates natural science, social science and humanities to help students attain a balanced education that encourages careful stewardship of the earth. The minor comprises two required courses (three credits each) as well as 15 elective credits from an approved list, with at least one course each in the natural sciences, social sciences and humanities.

Benefits to Students. The environmental studies minor will provide Whitworth students with ...

- an enhanced ability to think critically about some of the most pressing questions of our day and to consider the environmental impact of their personal and professional decisions.
- a broad approach to environmental issues, including scientific, social, and economic perspectives.
- a greater appreciation for the application of faith and learning to creation care and environmental stewardship.
- enhanced marketability: Employers are increasingly concerned with the ramifications of the environmental impacts of their endeavors, and they hire accordingly. Students pursuing graduate education will be more competitive as a result of the wide perspective provided by this minor.

Requirements for an Environmental Studies Minor (21-23)

| | | |
|---|--|-----|
| ENS 120/BI 120 | Introduction to Environmental Science | 3 |
| ENS 250/PO 250/EC 250 | Environment and Society | 3 |
| One of the following: | | 3 |
| ENS 212/TH 212 | Redemption of Creation | |
| ENS 214/TH 214 | Theology & Ecology | |
| Natural Sciences, choose one of the following: | | 3-4 |
| ENS 102/BI 102 | Introductory Biology | |
| ENS 105/BI 105 | Plants in Culture | |
| ENS 111/BI 111 | Marine Biology | |
| ENS 303/BI 303 | Plant Taxonomy | |
| ENS 304/BI 304 | Ecological Measures | |
| ENS 305/BI 305 | Landscape Ecology | |
| ENS 324/BI 324 | Animal Behavior | |
| ENS 331/BI 331 | Plant Physiology | |
| ENS 341/BI 341 | Central American Field Ecology | |
| ENS 345/BI 345 | Ecology | |
| ENS 369/BI 369 | Mycology | |
| ENS 448/BI 448 | Environmental Microbiology | |
| ENS 112/CH 111 | Green Chemistry | |
| ENS 113 | Chemistry and Health (Cross-listed as CH 112) | |
| ENS 122/CH 122 | Chemistry in Modern Living | |
| ENS 332 | Environmental Chemistry (Cross-listed as CH 331) | |
| ENS 131/GL 131 | Understanding Earth | |
| ENS 139/GL 139 | Environmental Geology | |
| ENS 101/NS 101 | Earth and Sky | |
| ENS 146/PS 146 | Physics in Current Events | |
| Note: BI-296 & 396, CH-396 & 496 courses will apply toward this requirement. See advisor for details. | | |

Social Sciences & Humanities, choose one of the following: 3-4

| | |
|----------------|---|
| ENS 347/PO 347 | Globalization in Southeast Asia |
| ENS 353/PO 353 | International Political Economy |
| ENS 275/SO 275 | Population Analysis |
| ENS 110/EL 110 | Writing I (Environmental Ethics or Sustainable Living sections) * |
| ENS 310/EL 310 | Northwest Writers |
| EC 381 | Sustainable Development Abroad: Poverty, Inequality, Environment, Social Change |
| ENS 384/HI 384 | Pacific Northwest History |

Electives. Complete an additional six credits from any of the lists above. Education students may also fulfill elective credits by taking the following in fulfillment of the requirements for the Washington state Environmental/Sustainability Education Endorsement 6

| | |
|---------|---|
| EDU 343 | Science: K-9 Methods and Assessment ** |
| EDU 455 | Science in Secondary School ** |
| EDU 410 | Environmental and Sustainability Education in the K-12 Classroom ** |

At least one of the courses in the minor must be upper division (300 or 400 level).

* Selected sections only. Please see your advisor.

** Students fulfilling requirements for the ESE endorsement should take EDU 410 AND either EDU 343 OR EDU 455.

Courses

| | | |
|----------|---|---|
| ENS 101 | Earth and Sky (Cross-listed as NS 101) | 3 |
| ENS 102 | Introductory Biology (Cross-listed as BI 102) | 3 |
| ENS 105 | Plants in Culture (Cross-listed as BI 105) | 3 |
| ENS 110 | Writing I (Environmental Ethics on Sustainable Living Sections, Cross-listed as EL 110) | 3 |
| ENS 111 | Marine Biology (Cross-listed as BI 111) | 3 |
| ENS 112 | Green Chemistry (Cross-listed as CH 111) | 3 |
| ENS 113 | Chemistry and Health (Cross-listed as CH 112) | 3 |
| ENS 120 | Introduction to Environmental Science (Cross-listed as BI 120) | 3 |
| ENS 122 | Chemistry in Modern Living (Cross-listed as CH 122) | 3 |
| ENS 131 | Understanding Earth (Cross-listed as GL 131) | 4 |
| ENS 139 | Environmental Geology (Cross-listed as GL 139) | 3 |
| ENS 146 | Physics in Current Events (Cross-listed as PS 146) | 3 |
| ENS 212 | Redemption of Creation (Cross-listed as TH 212) | 3 |
| ENS 214 | Theology & Ecology (Cross-listed as TH 214) | 3 |
| ENS 250 | Environment and Society (Cross-listed as PO 250 and EC 250) | 3 |
| ENS 275 | Population Analysis (Cross-listed as SO 275) | 3 |
| ENS 303 | Plant Taxonomy (Cross-listed as BI 303) | 4 |
| ENS 304 | Ecological Measures (Cross-listed as BI 304) | 4 |
| ENS 305 | Landscape Ecology (Cross-listed as BI 305) | 4 |
| ENS 305L | Lab: Landscape Ecology (Cross-listed as BI 305L) | 0 |
| ENS 305W | Landscape Ecology (Cross-listed as BI 305W) | 4 |
| ENS 310 | Northwest Writers (Cross-listed as EL 310) | 3 |
| ENS 324 | Animal Behavior (Cross-listed as BI 324) | 4 |
| ENS 331 | Plant Physiology (Cross-listed as BI 331) | 4 |
| ENS 332 | Environmental Chemistry (Cross-listed as CH 331) | 3 |

| | | |
|----------|--|---|
| ENS 341 | Central American Field Ecology (Cross-listed as BI 341) | 4 |
| ENS 345 | Ecology (Cross-listed as BI 345) | 4 |
| ENS 347 | Globalization in Southeast Asia (Cross-listed as PO 347) | 3 |
| ENS 353 | International Political Economy (Cross-listed as PO 353) | 3 |
| ENS 369 | Mycology (Cross-listed as BI 369) | 4 |
| ENS 369L | Lab: Mycology (Cross-listed as BI 369L) | 0 |
| ENS 369W | Mycology (Cross-listed as BI 369W) | 4 |
| ENS 384 | Pacific Northwest History (Cross-listed as HI 384) | 3 |
| ENS 448 | Environmental Microbiology (Cross-listed as BI 448) | 4 |

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.