

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 455W	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.