

Natural Resources and the Environment

Natural Resources and the Environment is an interdisciplinary environmental major that integrates coursework in forest ecosystems and geology with the broad range of potential environmental coursework offered at Sewanee.

Requirements for the Major in Natural Resources and the Environment

The major requires successful completion of the following:

Code	Title	Semester Hours
Course Requirements		
FORS 121	Introduction to Forestry (Lab)	4
GEOL 121	Physical Geology (Lab)	4
FORS 332	Oral Presentations	2
or GEOL 332	Oral Presentations	
Select one of the following:		4
Any laboratory course in Biology (BIOL)		
BIOL 130	Field Investigations in Biology	
BIOL 200	Entomology	
CHEM 100	Foundations of Chemistry	
CHEM 120	General Chemistry (Lab)	
PHYS 106	Foundations of Global Warming	
Select four core courses in natural resources from the following:		16
FORS 211	Dendrology (Lab)	
FORS 262	Forest and Watershed Restoration (Lab)	
FORS/GEOL 303	Soils (Lab)	
FORS 305	Forest Ecology (Lab)	
FORS 312	Silviculture	
FORS 319	Natural Resource Management and Decisions	
GEOL 221	Mineralogy (Lab)	
GEOL 222	Historical Geology (Lab)	
GEOL 225	Sedimentology and Stratigraphy (Lab)	
GEOL 305	Economic Geological Resources (Lab)	
GEOL 314	Hydrology (Lab)	
GEOL 325	Field and Structural Geology (Lab)	
Select three additional approved electives from the following: ¹		12
Any course in Biology (BIOL) numbered 130 or higher		
Any course in Chemistry (CHEM)		
Any course in Environmental Studies (ENST)		
Any course in Environmental Science (ESCI)		
Any course in Forestry (FORS)		
Any course in Geology (GEOL)		
Any course in Physics (PHYS)		
ANTH 218	Archaeology of North America	
ANTH 316	Archaeology of the Cumberland Plateau	
ANTH 330	Environmental Archaeology	
ANTH 332	Archaeological Resource Management and Policy	
ANTH 357	Field School in Archaeology	
ECON 335	Environmental Economics	
HIST 283	Environmental History	
INGS 104	Oil: The Fuel of Globalization	
PHIL 230	Environmental Ethics	

POLS 260	Political Theory of the Environment
POLS 382	International Environmental Policy
RELG 307	Religious Environmentalism
RELG 341	Religion and Ecology
RELG 353	Greening Buddhism

Total Semester Hours **42**

Code	Title	Semester Hours
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Additional Requirements

A comprehensive examination

Department capstone requirement, which may be satisfied by:

- Receiving a grade of C or higher on the Elberton Project undertaken in GEOL 320 - Petrology;
- Completing no earlier than the second semester of their junior year an independent study project that culminates in a technical paper or a presentation at Scholarship Sewanee; or,
- Completing ESCI 450 during the spring semester of their senior year.

¹ Electives are chosen by the student, in consultation with their faculty advisor, to match the student's specific interests. ENST 101 is recommended.

Writing-Intensive Course in the Major Requirement

Students majoring in Forestry or Natural Resources and the Environment can satisfy their writing-in-the-major requirement by:

- Successfully completing a designated writing-intensive course in the department, or
- Successfully completing three Forestry and/or Geology designated "writing portfolio" courses. Written and edited scientific papers from each writing portfolio course are to be compiled into a scientific writing portfolio by each student, and maintained by the advisor.

The following courses are designated as writing portfolio or writing-intensive courses in the Department of Earth and Environmental Systems. Other courses may be approved as such during some years. In exceptional cases and by faculty permission, one of the three writing portfolio courses might be fulfilled by FORS 444 or GEOL 444.

Writing Portfolio Courses in the Department of Earth and Environmental Systems (three required):

Code	Title	Semester Hours
Forestry Major		
FORS 204	Forest Wildlife Management (project report)	4
FORS 262	Forest and Watershed Restoration (Lab) (class paper)	4
FORS 305	Forest Ecology (Lab) (lab report or paper)	4
FORS 312	Silviculture (lab report or paper)	4
FORS 319	Natural Resource Management and Decisions (project report)	4
Geology Major		
GEOL 222	Historical Geology (Lab) (term paper)	4
GEOL 305	Economic Geological Resources (Lab) (field trip report)	4
GEOL 314	Hydrology (Lab) (lab report)	4
GEOL 320	Igneous and Metamorphic Petrology (Lab)	4
Natural Resources and the Environment Major		
FORS 204	Forest Wildlife Management (project report)	4
FORS 262	Forest and Watershed Restoration (Lab) (class paper)	4
FORS 305	Forest Ecology (Lab) (lab report or paper)	4
FORS 312	Silviculture (lab report or paper)	4
FORS 319	Natural Resource Management and Decisions (project report)	4
GEOL 222	Historical Geology (Lab) (term paper)	4
GEOL 305	Economic Geological Resources (Lab) (field trip report)	4

GEOL 314	Hydrology (Lab) (lab report)	4
GEOL 320	Igneous and Metamorphic Petrology (Lab)	4