

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 5 courses in Forestry (FORS) or Geology (GEOL) numbered 200 level or above ^{1, 2}		20
Select at least two lab science courses in BIOL, CHEM, ENST, ESCI, or PHYS		8
Select at least two elective courses from the following: ^{3, 4}		8
ANTH 332	Archaeological Resource Management and Policy	
Any course in Biology (BIOL)		
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)		
Total Semester Hours		46

¹

Must include at least one writing intensive course (attribute GMWI).

²

A field camp or research experience that has been pre-approved by your major advisor may substitute for up to 4 credits

³

Any course throughout the college with overarching themes related to natural resources or the environment may be counted towards the major with prior approval by the faculty advisor and department chair.

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Students are encouraged to take one or more courses with an emphasis on environmental economics and/or environmental policy and equitable stakeholder participation.

Code	Title	Semester Hours
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Additional Requirements

A comprehensive examination

Department capstone requirement, which may be satisfied by:

- Completing independent study project that culminates in a technical paper or a presentation at Scholarship Sewanee which as been approved by the department chair as fulfilling this requirement; or,
- Completing a summer research experience, such as an NSF REU or Sewanee SURF which as been approved by the department chair as fulfilling this requirement; or,
- Completing ESCI 450 during the spring semester of their senior year.

Student Learning Outcomes

A student majoring in Natural Resources will

1. Demonstrate ability to apply the scientific method (formulating and testing hypotheses, and interpreting and synthesizing data collected in the field and laboratory).
2. Demonstrate competence in the techniques and tools used to navigate, measure, analyze and study landscapes and the geologic features/resources they contain while in the field.
3. Demonstrate the ability to communicate clearly and effectively on a subject related to the discipline in both written and oral form.
4. Be able to describe, discuss and interpret the comprehensive scope of natural landscapes (forests, geologic features, and hydrologic features).
5. Properly evaluate and appraise policies and practices that impact the sustainable management of all natural resources (arboreal, geological, and hydrological) in the US and/or abroad.