

Environmental Studies Degree Requirements (2009/2010 Catalog)

Requirements for the Major

1. Fulfill requirements for the Bachelor of Science degree as stated in the Southern Oregon University catalog.
2. Maintain a 2.5 GPA in all courses taken for the major. Note: Coursework in the major must be taken for a letter grade (not P/NP).
3. Complete the Core Requirements for the Environmental Studies major.
4. Complete requirements for a Concentration in Cultural Resource Management, Earth Science, Ecology & Conservation, Land Use Planning, **or** Sustainability & Policy.

SOU Core Curriculum Requirements

University Seminar (12)

Quantitative Reasoning (4-8)

Explorations Courses

Humanities (12)

Sciences (12)

Social Sciences (12)

Integration Courses

Strand H: Science, Technology, and Society (3-4)

Strand I: Citizenship and Social Responsibility (3-4)

Strand J: Diversity and Global Awareness (3-4)

*Two of three strands can be met in the major area.

ES Core Curriculum Requirements

Required Lower Division (16 credits):

- ES 101 Intro to ES: Earth Science (4)
 - ES 102 Intro to ES: Biological Science (4)
 - ES 103 Intro to ES: Social Science (4)
- Note: Students may substitute either of the following for ES 101 and ES 102, with advisor approval:
G 101 or G102 and G103 (8) **or** ES 111 and 112 (8)
- ES 210 Applications in Environmental Studies (4)

Required Upper Division (14 credits):

- ES 310 Topics in Environmental Studies (2)
- ES 351 Environmental Policy (4)
- ES/GEOG 349 Maps/Carto/Geospatial Tech. (4)

Select one from the following:

- ES/GEOG 451 Intro to GIS (4)
- ES/GEOG 453 Intro to Remote Sensing (4)
- ES/GEOG 457 Intro to Global Positioning Systems (4)

Upper Division Natural Science

Select two of the following (8 credits):

- BI 340 Introductory Ecology (4)
- GEOG 482 Climatology (4)
- G 360 Environmental Geology (4)
- G 314 Hydrology (4)

Upper Division Social Science

Select two of the following (8 credits):

- ES 421 Ecological Economics & Sustainable Development (4)
- ANTH 451 Cultural Ecology (4)
- SOC 420 Environmental Sociology (4)
- GEOG 437 Conservation in the U.S. (4)

Mathematics (8 credits):

- MTH 243 Introductory Statistics (4)
- ES/GEOG 386 Environmental Data Analysis (4) or
Students selecting the Earth Science Concentration are required to complete
- MTH 111 and MTH 112. These courses will substitute for MTH 243 and ES 386.

Capstone (4 to 9 credits):

- ES 494 ES Capstone (4)
- ES 496, ES 497 ES Honors Capstone with advisor approval (5 - 8)
or
- Students taking the Earth Science Concentration should complete Field Geology (G 406) as their capstone, but may substitute the above ES Capstone (ES 494) with an additional geology course with advisor approval (9)

Land Use Planning Concentration (42 credits)

Core courses cannot be used to meet upper division elective requirements within this concentration.

Land Use Planning Concentration Core (24 credits)

Lower Division: Select one of the following (4 credits)

- GEOG 101 Introduction to Geography (4)
- GEOG 107 Human Geography (4)
- GEOG 108 Global Lands and Livelihoods (4)

Upper Division: Required (20 credits)

- GEOG 350 Urban Environments (4)
- GEOG 439 Land Use Planning (4)
- GEOG 440 Planning Issues (4)
- ES/GEOG 451 Introduction to Geographic Information Systems (4)
- ES/GEOG 494 Field Geography (4)

Upper Division Social Science: Select two of the following (8 credits)

- GEOG 360 Population, Development and the Environment (4)
- SOC 420 Environmental Sociology (4)
- ES 423 Sustainability & Natural Resources (4)
- ES 421 Ecological Economics & Sustainable Development (4)
- ANTH 462 Cultural Resource Management (4)
- GEOG 437 Conservation in the U.S. (4)
- SOC 310 Community Studies (4)
- SOC 450 Social & Cultural Change (4)

Upper Division Natural Science: Select two of the following (8 credits)

- ES/GEOG 386 Environmental Data Analysis (4)
- ES 327 Energy & Climate Change (4)
- G 360 Environmental Geology (4)
- GEOG/G 433 Soil Science (4)
- ES/GEOG/G 453 Introduction to Remote Sensing (4)
- ES/GEOG/G 457 Introduction to Global Positioning Systems (4)
- GEOG/G 481 Geomorphology (4)
- GEOG 482 Climatology (4)
- ES 475 Environmental Modeling (4)
- ES 435 Water Resources (4)

Internship/Practicum (2 credits)

- ES 409 Practicum (2)
- ES/GEOG 496 Internship (2)