ENVIRONMENTAL STUDIES (CAS)

Description
Website: esp.unl.edu (http://esp.unl.edu)

The environmental studies major is designed for students who want to make a difference and contribute to solving environmental challenges on a local to global scale. Solutions to challenges such as climate change, pollution, and resource conservation require individuals who have a broad-based knowledge in the natural and social sciences, as well as strength in a specific discipline. The environmental studies major will provide the knowledge and skills needed for students to work across disciplines and to be competitive in the job market. The environmental studies program uses a holistic approach and a framework of sustainability. This framework recognizes the necessity of meeting current resource needs without compromising the environment or the ability of future generations to meet their needs.

Admission
College Admission
The entrance requirements for the College of Arts and Sciences are the same as the UNL General Admission Requirements. Students who are admitted through the Admission by Review process may have certain conditions attached to their enrollment at UNL. These conditions are explained under “Removal of Deficiencies.”

In addition to these requirements, the College of Arts and Sciences strongly recommends a third and fourth year of one foreign language in high school. Four years of high school coursework in the same language will fulfill the College of Arts and Sciences’ language requirement. It will also allow students to continue language study at a more advanced level at UNL, and provide more opportunity to study abroad.

Advising
Academic and Career Advising
The Academic and Career Advising Center in 107 Oldfather is a centrally located and easily accessed resource for students in all majors in the College of Arts and Sciences. The professional academic advisors and career coaches offer 1-1 meetings on a walk-in and appointment basis weekdays. Advisors will provide assistance choosing majors and minors, understanding degree requirements and academic policies, completing paperwork, meeting deadlines, adding/dropping courses, and planning for graduation. In addition, career coaches can help students identify career options related to their interests and connect them with experiences like internships, research, and more that will prepare them for those career options. These specially trained advisors and coaches also serve as first point of contact in the College for all incoming freshmen and transfer students preparing to enter a professional school.

For complete and current information on advisors for majors, minors, or pre-professional areas, contact the Arts and Sciences Academic and Career Advising Center, 107 Oldfather Hall, 402-472-4190, http://cas.unl.edu/advising.

College Degree Requirements
College Distribution Requirements
Bachelor of Arts or Bachelor of Science (16 hours + Language)
The College of Arts and Sciences distribution requirements are designed to ensure a breadth of courses within the liberal arts degree. By engaging in study in several different areas within the College, students develop the ability to learn in a variety of ways and apply their knowledge from a variety of perspectives. All requirements are in addition to University ACE requirements.

- A student may not use a single course to satisfy both an ACE outcome and a College distribution requirement.
- A student may not use a single course to satisfy more than one College Distribution Requirement.
- A student may not use a course from their primary major to satisfy the Breadth Requirement (F), but may apply an ancillary requirement of the primary major or a course from their second major toward this requirement.
- Independent study, directed readings, or internship courses cannot be used to satisfy a College Distribution Requirement.
- Cross-listed courses from interdisciplinary programs will be applied in the same area as courses from the home/cross-listed department.

College Distribution Requirements

| CDR A - Written Communication | 3 |
| Select from courses approved for ACE outcome 1. |
| CDR B and BL - Natural, Physical, and Mathematical Sciences with Lab | 4 |
| Select from biochemistry, biological sciences, chemistry, computer science, geology, meteorology, mathematics, physics and statistics. Must include one lab in the natural or physical sciences. Lab courses may be selected from biochemistry, biological sciences, chemistry, geology, meteorology and physics. |
| Some courses from geography and anthropology may also be used to satisfy the lab requirement above. |
| CDR C - Humanities | 3 |
| Select from classics, English, history, modern languages and literatures, philosophy, and religious studies. |
| CDR D - Social Science | 3 |
| Select from anthropology, communication studies, geography, political science, psychology, or sociology. |
| CDR E - Language | 0-16 |
Required by the completion of the 6-credit-hour second-year sequence in a single foreign language in one of the following departments: Classics and religious studies, or modern languages and literatures. Instruction is currently available in Arabic, Chinese, Czech, French, German, Greek, Japanese, Latin, Russian, and Spanish.

A student who has completed the fourth-year level of one foreign language in high school is exempt from the language requirement, but encouraged to continue on in their language study.

**CDR F - Additional Breadth**

Select from natural, physical, and mathematical sciences (Area B), humanities (Area C), or social sciences (Area D). Cannot be a course from the primary major.

<table>
<thead>
<tr>
<th>Credit Hours Subtotal:</th>
<th>16-32</th>
</tr>
</thead>
</table>

1. See Degree Audit or a College of Arts and Sciences advisor for approved geography and anthropology courses that apply as natural science.

2. Language courses numbered 210 and below do not fulfill the CDR C.

3. See Degree Audit or College of Arts and Sciences advisor for list of natural/physical science courses in anthropology, geography, and psychology that do not apply as social science.

**Scientific Base**

**Bachelor of Science Only (60 hours)**

The bachelor of science degree requires students to complete 60 hours in mathematical, physical and natural sciences. Approved courses for scientific base credit come from the following College of Arts and Sciences disciplines: actuarial science, anthropology (selected courses), astronomy, biochemistry (excluding BIOC 101), biological sciences (excluding BIOS 100 or BIOS 203), chemistry (excluding CHEM 101), computer science (excluding CSCE 10), geography (selected courses), geology, life sciences, mathematics (excluding courses below MATH 104), meteorology, microbiology, physics and statistics.

See your degree audit or a College of Arts and Sciences advisor for a complete list including individual classes that fall outside of the disciplines listed above. Up to 12 hours of scientific and technical courses offered by other colleges may be accepted toward this requirement with approval of a college advisor.

**Language Requirement**

UNL and the College of Arts and Sciences place great value on academic exposure and proficiency in a second language. The UNL entrance requirement of two years of the same foreign language or the College’s language distribution requirement (CDR E) will rarely be waived and only with relevant documentation. See the main College of Arts and Sciences page for more details.

**Minimum Hours Required for Graduation**

A minimum of 120 semester hours of credit is required for graduation from the College of Arts and Sciences. A total grade point average of at least 2.0 is required.

**Grade Rules**

**Restrictions on C- and D Grades**

The College will accept no more than 15 semester hours of C- and D grades from other domestic institutions except for UNO and UNK. All courses taken at UNO and UNK impact the UNL transcript. No transfer of C- and D grades can be applied toward requirements in a major or a minor. No UNL C- and D grades can be applied toward requirements in a major or a minor. International coursework (including education abroad) with a final grade equivalent to a C- or lower will not be validated by College of Arts and Sciences departments to be degree applicable.

**Pass/No Pass Privilege**

The College of Arts and Sciences adheres to the University regulations for the Pass/No Pass (P/N) privilege with the following additional regulations:

- Pass/No Pass hours can count toward fulfillment of University ACE requirements and college distribution requirements up to the 24-hour maximum.
- Most arts and sciences departments and programs do not allow courses graded Pass/No Pass to apply to the major or minor. Students should refer to the department’s or program’s section of the catalog for clarification. By college rule, departments can allow up to 6 hours of Pass/No Pass in the major or minor.
- Departments may specify that certain courses of theirs can be taken only on a P/N basis.
- The college will permit no more than a total of 24 semester hours of P/N grades to be applied toward degree requirements. This total includes all Pass grades earned at UNL and other U.S. schools. **NOTE**: This 24-hour limit is more restrictive than the University regulation.

**Grading Appeals**

A student who feels that he/she has been unfairly graded must ordinarily take the following sequential steps in a timely manner, usually by initiating the appeal in the semester following the awarding of the grade:

1. Talk with the instructor concerned. Most problems are resolved at this point.
2. Talk to the instructor’s department chairperson.
3. Take the case to the Grading Appeal Committee of the department concerned. The Committee should be contacted through the department chairperson.
4. Take the case to the College Grading Appeals Committee by contacting the Dean’s Office, 1223 Oldfather Hall.

**Course Level Requirements**

**Courses Numbered at the 300 or 400 Level**

Thirty (30) of the 120 semester hours of credit must be in courses numbered at the 300 or 400 level. Of those 30 hours, 15 hours (1/2) must be completed in residence at UNL.

**Residency Requirement**

Students must complete at least 30 of the 120 total hours of their degree at UNL. Students must complete at least 1/2 of their major coursework including 6 hours at the 300 or 400 level in their major, and 15 of the 30 hours required at the 300 or 400 level in residence. Credit earned during education abroad may be used toward the residency requirement only if students register through UNL.

**ACE Requirements**

Consistent with the mission and values of the University, ACE is based on a shared set of four institutional objectives and ten student learning outcomes. The ACE program was approved by faculty in all eight undergraduate colleges and endorsed by the Faculty Senate, the student government, and the Academic Planning Committee in January 2008.
for implementation in the fall 2009. ACE aligns with current national initiatives in general education.

To meet the ACE Program requirement, a student will complete a minimum of 3 credit hours for each of the ten ACE Student Learning Outcomes (a total of 30 ACE credit hours). See the ACE website at: http://ace.unl.edu for the most current information and the most recently certified courses.

Catalog to Use

Students must fulfill the requirements stated in the catalog for the academic year in which they are first admitted to and enrolled as a degree-seeking student at UNL. In consultation with advisors, a student may choose to follow a subsequent catalog for any academic year in which they are admitted to and enrolled as a degree-seeking student at UNL in the College of Arts and Sciences. Students must complete all degree requirements from a single catalog year. Beginning in 1990-1991 the catalog which a student follows for degree requirements may not be more than 10 years old at the time of graduation.

Learning Outcomes

Graduates of environmental studies will be able to:

1. Explain and apply appropriately the systemic principle of sustainability for the development of solutions to environmental and natural resource issues.
2. Organize, plan, and satisfactorily complete a senior project through scholarly creativity and/or in depth research that uses appropriate technical knowledge, field, laboratory, geospatial, and/or social science research methodologies.
3. Demonstrate the ability to critically assess environmental and sustainability issues from the local to global scale considering a range of perspectives.
4. Identify, explain, and evaluate problems/questions/issues using relevant data, resources and reasoning to form carefully considered conclusions.
5. Communicate effectively to a range of audiences through the preparation of written documents along with oral and visual presentations that are consistent with professional standards.
6. Describe the Earth’s four major spheres: land, water, living things, and air in the context of physical, geological, and biological processes, their variability over space and time, and the extent to which human’s influence them.
7. Effectively work in teams and groups from various backgrounds and perspectives to address environmental challenges.
8. Demonstrate improvement in professional and interpersonal skills such as collaboration, critical thinking, problem solving, empathy, and teamwork so they can effectively operate in society and the professional world.

Major Requirements

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 101</td>
<td>Environmental Studies Orientation</td>
<td>1</td>
</tr>
<tr>
<td>ENVR 201</td>
<td>Science, Systems, Environment and Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 249</td>
<td>Individual and Cultural Perspectives on the Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

ENVR 319 Environmental Engagement and the Community 2
ENVR 495 Internship in Environmental Studies 1
ENVR 499A Environmental Studies Senior Thesis I 1 1
ENVR 499B Environmental Studies Senior Thesis II 1 2
Total Credit Hours 13

1 ENVR 499A & ENVR 499B are the capstone courses for environmental studies majors. ENVR 499H is the capstone course for Honors students.

Ancillary Requirements (BA or BS)

Mathematics

Select one of the following: 2-5

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 102</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MATH 103</td>
<td>College Algebra and Trigonometry</td>
</tr>
<tr>
<td>MATH 104</td>
<td>Applied Calculus</td>
</tr>
<tr>
<td>MATH 106</td>
<td>Calculus I</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 2-5

Statistics

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 218</td>
<td>Introduction to Statistics</td>
</tr>
<tr>
<td>STAT 380</td>
<td>Statistics and Applications</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 3

Biological Sciences

Select one sequence from the following: 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101</td>
<td>General Biology</td>
</tr>
<tr>
<td>BIOS 101L</td>
<td>General Biology Laboratory</td>
</tr>
<tr>
<td>LIFE 120</td>
<td>Fundamentals of Biology I</td>
</tr>
<tr>
<td>LIFE 120L</td>
<td>Fundamentals of Biology I laboratory</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 4

Chemistry

Select one sequence from the following: 7-8

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 105</td>
<td>Chemistry in Context I</td>
</tr>
<tr>
<td>CHEM 106</td>
<td>Chemistry in Context II</td>
</tr>
<tr>
<td>CHEM 109</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 110</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 113</td>
<td>Fundamental Chemistry I</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>Fundamental Chemistry II</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 7-8

Physics

Select one of the following: 3-5

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 115</td>
<td>Descriptive Physics</td>
</tr>
<tr>
<td>PHYS 141</td>
<td>Elementary General Physics I</td>
</tr>
<tr>
<td>PHYS 151</td>
<td>Elements of Physics</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 3-5

Total Credit Hours 19-25

Specific Major Requirements

Earth and Environmental Systems

Ecology

Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 207</td>
<td>Ecology and Evolution</td>
</tr>
<tr>
<td>BIOS 232</td>
<td>Ecological Issues in the Great Plains</td>
</tr>
</tbody>
</table>

Environmental Studies (CAS) 3
Environmental Studies (CAS)

NRES 220 & NRES 222 Principles of Ecology and Ecology Laboratory (Recommended)

Soil
SOIL 153 / AGRO 153 / HORT 153 Soil Resources 4

Climate
Select one of the following: 3-4
NRES 104 Climate in Crisis
METR 100 Weather and Climate
METR 180 Environment, Energy, and Climate Change
NRES 208 Applied Climate Sciences

Earth Systems
Select one of the following: 3-4
NRES 108 Earth's Natural Resource Systems Laboratory
ENSC 110 Energy in Perspective
GEOL 101 Dynamic Earth
GEOL 106 Environmental Geology
GEOL 109 Oceanography
GEOL 120 Geology of National Parks and Monuments
GEOL 125 Frontiers in Antarctic Geosciences
GEOG 155 Elements of Physical Geography
GEOG 181 Quality of the Environment

Water
Select one of the following: 3
ENVR 189H University Honors Seminar
WATS 281 / GEOG 281 / NRES 281 Introduction to Water Science

Geospatial Science
Select one of the following: 3-4
GEOG 419 / AGRO 419 / GEOL 419 / NRES 420 Applications of Remote Sensing in Agriculture and Natural Resources
NRES 312 / GEOG 312 Introduction to Geospatial Information Sciences
NRES 412 / GEOG 412 Introduction to Geographic Information Systems
NRES 418 / GEOG 418 Introduction to Remote Sensing
CRPL 433 GIS in Environmental Design and Planning

Credit Hours Subtotal: 19-23

Human Dimensions Electives
Select two courses from two different departments from the following: 6
AECN 256 Legal Aspects in Agriculture
AECN 346 World Food Economics

AECN 357 / NREE 357 Natural Resource and Environmental Law
AECN 376 Rural Community Economics
AECN 456 / NREE 456 Environmental Law
AECN 457 / NREE 457 / WATS 457 Water Law
ALEC 125 Land, Food and People
ALEC 202 Foundations of Leadership Theory and Practice
ALEC 388 / AECN 388 Ethics in Agriculture and Natural Resources
ALEC 393 Digital Imaging and Storytelling in Agriculture and Natural Resources
ALEC 410 / NRES 413 Environmental Leadership
ANTH 110 Introduction to Anthropology
ANTH 130 Anthropology of the Great Plains
ANTH 170 / GEOG 170 / GPSP 170 / NRES 170 / SOCI 170 Introduction to Great Plains Studies
ANTH 212 / ETHN 212 Introduction to Cultural Anthropology
ANTH 261 / POLS 261 / SOCI 261 Conflict and Conflict Resolution
ANTH 351 / ETHN 351 Indigenous Peoples of North America
ANTH 454 Ethnographic Field School
ANTH 473 Ecological Anthropology
ANTH 476 Human Rights, Environment, and Development
BLAW 300 Business, Government & Society
COMM 101 Communication in the 21st Century
COMM 210 Communicating in Small Groups
COMM 220 Public Advocacy and Civic Engagement
COMM 271 Organizing Social Change
COMM 283 Interpersonal Communication
COMM 311 / ETHN 311 Intercultural Communication
COMM 334 / POLS 334 Polls, Politics and Public Opinion
COMM 465 Communication and Social Identity
COMM 371 Communication in Negotiation and Conflict Resolution
COMM 375 Theories of Persuasion
CRPL 470 Environmental Planning and Policy
CRPL 471 Environmental Impact Assessment
CRPL 472 Hazard Mitigation Planning
CYAF 460 Human Dimensions of Sustainability
ENSC 110 Energy in Perspective
ENSC 220 Introduction to Energy Systems
Environmental Studies (CAS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENSC 230</td>
<td>Energy and the Environment: Economics and Policy</td>
</tr>
<tr>
<td>GEOG 140</td>
<td>Introductory Human Geography</td>
</tr>
<tr>
<td>GEOG 181</td>
<td>Quality of the Environment</td>
</tr>
<tr>
<td>GEOG 272</td>
<td>Geography of World Regions</td>
</tr>
<tr>
<td>GEOG 283</td>
<td>Space, the Environment and You</td>
</tr>
<tr>
<td>GEOG 334</td>
<td>Historical Geography of the Great Plains</td>
</tr>
<tr>
<td>GEOG 361</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEOG 406</td>
<td>Spatial and Environmental Influences in Social Systems</td>
</tr>
<tr>
<td>GEOG 447</td>
<td>Political Geography</td>
</tr>
<tr>
<td>MNGT 300</td>
<td>Management Essentials For Contemporary Organizations</td>
</tr>
<tr>
<td>NRES 111</td>
<td>Natural Resource Conservation in Society</td>
</tr>
<tr>
<td>NRES 301</td>
<td>Environmental Communication Skills</td>
</tr>
<tr>
<td>NRES 409 /</td>
<td>Human Dimensions of Natural Resources</td>
</tr>
<tr>
<td>GEOG 409</td>
<td></td>
</tr>
<tr>
<td>NRES 423</td>
<td>Integrated Resources Management</td>
</tr>
<tr>
<td>NRES 434 /</td>
<td>Environmental Education and Interpretation</td>
</tr>
<tr>
<td>ENVR 434</td>
<td></td>
</tr>
<tr>
<td>NRES 475 /</td>
<td>Water Quality Strategy</td>
</tr>
<tr>
<td>AGRO 475 /</td>
<td></td>
</tr>
<tr>
<td>CIVE 475 /</td>
<td></td>
</tr>
<tr>
<td>CRPL 475 /</td>
<td></td>
</tr>
<tr>
<td>GEOI 475 /</td>
<td></td>
</tr>
<tr>
<td>MSYM 475 /</td>
<td></td>
</tr>
<tr>
<td>POLS 475 /</td>
<td></td>
</tr>
<tr>
<td>SOCI 475 /</td>
<td></td>
</tr>
<tr>
<td>SOIL 475 /</td>
<td></td>
</tr>
<tr>
<td>WATS 475</td>
<td></td>
</tr>
<tr>
<td>PHIL 225</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>POLS 104</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>POLS 130</td>
<td>News Literacy, The Public, and Politics</td>
</tr>
<tr>
<td>POLS 150</td>
<td>Introduction to Biology, Psychology, and Politics</td>
</tr>
<tr>
<td>POLS 160 /</td>
<td>International Relations</td>
</tr>
<tr>
<td>GLST 160</td>
<td></td>
</tr>
<tr>
<td>POLS 221</td>
<td>Politics in State and Local Governments</td>
</tr>
<tr>
<td>POLS 232</td>
<td>Public Issues in America</td>
</tr>
<tr>
<td>POLS 250</td>
<td>Genetics, Brains, and Politics</td>
</tr>
<tr>
<td>POLS 260</td>
<td>Problems in International Relations</td>
</tr>
<tr>
<td>POLS 268</td>
<td>Threats to World Order</td>
</tr>
<tr>
<td>POLS 334 /</td>
<td>Polls, Politics and Public Opinion</td>
</tr>
<tr>
<td>COMM 334</td>
<td></td>
</tr>
<tr>
<td>POLS 350</td>
<td>Issues in Biology, Psychology, and Politics</td>
</tr>
<tr>
<td>POLS 362</td>
<td>Globalization, Human Rights and Diversity</td>
</tr>
<tr>
<td>POLS 459</td>
<td>International Political Economy</td>
</tr>
<tr>
<td>POLS 470</td>
<td>International Human Rights</td>
</tr>
<tr>
<td>PSYC 181</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>PSYC 288</td>
<td>The Psychology of Social Behavior</td>
</tr>
<tr>
<td>PSYC 330</td>
<td>Psychology of Diversity</td>
</tr>
<tr>
<td>SOCI 101</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SOCI 241 /</td>
<td>Rural Sociology</td>
</tr>
<tr>
<td>AECN 276</td>
<td></td>
</tr>
<tr>
<td>SOCI 346</td>
<td>Environmental Sociology</td>
</tr>
</tbody>
</table>

Select two courses from two different departments from the following: 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 456 /</td>
<td>Environmental Law</td>
</tr>
<tr>
<td>NREE 456</td>
<td></td>
</tr>
<tr>
<td>AECN 457 /</td>
<td>Water Law</td>
</tr>
<tr>
<td>NREE 457 /</td>
<td></td>
</tr>
<tr>
<td>WATS 457</td>
<td></td>
</tr>
<tr>
<td>AGRO 435 /</td>
<td>Agroecology</td>
</tr>
<tr>
<td>HORT 435 /</td>
<td></td>
</tr>
<tr>
<td>NRES 435</td>
<td></td>
</tr>
<tr>
<td>ALEC 410 /</td>
<td>Environmental Leadership</td>
</tr>
<tr>
<td>NRES 413</td>
<td></td>
</tr>
<tr>
<td>ANTH 473</td>
<td>Ecological Anthropology</td>
</tr>
<tr>
<td>CRPL 300</td>
<td>The Community and the Future</td>
</tr>
<tr>
<td>CRPL 471</td>
<td>Environmental Impact Assessment</td>
</tr>
<tr>
<td>CYAF 460</td>
<td>Human Dimensions of Sustainability</td>
</tr>
<tr>
<td>ENGL 317</td>
<td>Literature and the Environment</td>
</tr>
<tr>
<td>NRES 409 /</td>
<td>Human Dimensions of Natural Resources</td>
</tr>
<tr>
<td>GEOG 409</td>
<td></td>
</tr>
<tr>
<td>NRES 434 /</td>
<td>Environmental Education and Interpretation</td>
</tr>
<tr>
<td>ENVR 434</td>
<td></td>
</tr>
<tr>
<td>NSST 375</td>
<td>Writing and Briefing for the National Security Enterprise</td>
</tr>
<tr>
<td>NSST 376</td>
<td>Analysis for the National Security Establishment</td>
</tr>
<tr>
<td>POLS 361</td>
<td>The United Nations and World Politics</td>
</tr>
<tr>
<td>POLS 362</td>
<td>Globalization, Human Rights and Diversity</td>
</tr>
<tr>
<td>PSYC 334 /</td>
<td>Psychology of Environmental Sustainability</td>
</tr>
<tr>
<td>ENVR 334</td>
<td></td>
</tr>
<tr>
<td>SOCI 346</td>
<td>Environmental Sociology</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 12

**Economics and Policy**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 141</td>
<td>Introduction to the Economics of Agriculture</td>
</tr>
<tr>
<td>ECON 200</td>
<td>Economic Essentials and Issues</td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 345</td>
<td>Policy Issues in Agriculture and Natural Resources</td>
</tr>
<tr>
<td>AECN 346</td>
<td>World Food Economics</td>
</tr>
<tr>
<td>AECN 357 /</td>
<td>Natural Resource and Environmental Law</td>
</tr>
<tr>
<td>NREE 357</td>
<td></td>
</tr>
<tr>
<td>AECN 457 /</td>
<td>Water Law</td>
</tr>
<tr>
<td>NREE 457 /</td>
<td></td>
</tr>
<tr>
<td>WATS 457</td>
<td></td>
</tr>
<tr>
<td>CRPL 470</td>
<td>Environmental Planning and Policy</td>
</tr>
<tr>
<td>NRES 323</td>
<td>Natural Resources Policy</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 6

Total Credit Hours 37-41

**Minor Requirement**

Environmental studies majors must complete a Plan A minor or second major in one of the following areas:
Environmental Studies (CAS)

Anthropology
Biological Sciences
Chemistry
Communication Studies
Community and Regional Planning
English
Environmental Education
Geography
Geology
Meteorology/Climatology
National Security Studies
Political Science
Psychology
Sociology

Additional Major Requirements

Grade Rules

C- and D Grades
A grade of C or higher is required in all minor courses with the exception of ancillary courses.

Pass/No Pass
No courses taken Pass/No Pass will count toward the major or minor.

Requirements for Minor Offered by Department

Eighteen (18) hours, with 6 hours at the 300 level or above.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 101</td>
<td>Environmental Studies Orientation</td>
<td>1</td>
</tr>
<tr>
<td>ENVR 201</td>
<td>Science, Systems, Environment and Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 249</td>
<td>Individual and Cultural Perspectives on the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 319</td>
<td>Environmental Engagement and the Community</td>
<td>2</td>
</tr>
<tr>
<td>Earth and Environmental Systems</td>
<td>Select one course from the Earth and Environmental Systems section of the major.</td>
<td>3</td>
</tr>
<tr>
<td>Human Dimensions</td>
<td>Select one course from the Human Dimensions section of the major.</td>
<td>3</td>
</tr>
<tr>
<td>Economics and Policy</td>
<td>Select one course from the Economics and Policy section of the major.</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

Grade Rules

C- and D Grades
A grade of C or higher is required in all minor courses with the exception of ancillary courses.

Pass/No Pass
No courses taken Pass/No Pass will count toward the major or minor.

ENVR 101 Environmental Studies Orientation
Description: A comprehensive overview of the discipline of Environmental Studies. Investigate current and critical environmental issues.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC

ENVR 109 Water in Society
Crosslisted with: SCIL 109, AECN 109, NRES 109, GEOG 109
Description: Introduction to the scientific, social, and economic dimensions of historical and contemporary water systems. Students will develop an understanding of hydrologic systems and analyze and engage in decision-making about complex challenges associated with water resource use.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Offered: FALL
Prerequisite for: SCIL 300
ACE: ACE 8 Civic/Ethics/Stewardship ACE 4 Science

ENVR 189H University Honors Seminar
Prerequisites: Good standing in the University Honors Program or by invitation.
Notes: A University Honors Seminar 189H course is required of all students in the University Honors Program. Letter Grade Only.
Description: Topics vary.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 8 Civic/Ethics/Stewardship

ENVR 201 Science, Systems, Environment and Sustainability
Description: Application of basic Earth system and ecosystem science concepts for understanding: natural systems; the relationships and interactions between the living and the non-living environment; current and future environmental challenges; the importance of considering scientific evidence and uncertainty; and the implementation of the sustainability concepts.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 8 Civic/Ethics/Stewardship
ENVR 249 Individual and Cultural Perspectives on the Environment
Crosslisted with: NRES 249
Description: The influence of culture on individual perspectives related to the concepts of sustainability and the relationship that humans have with the environment. The role of ethics, religion, and historical setting on the individual and cultural perspectives related to environmental challenges at the local to global scales.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 9 Global/Diversity

ENVR 319 Environmental Engagement and the Community
Description: The processes of environmental agencies and organizations use to develop and implement projects and programs. The development of their project proposal, work plans, budgets, and final report. Requires developing and implementing projects and programs in collaboration with clients who are from agencies and organizations working with environmental issues.
Credit Hours: 2
Max credits per semester: 2
Max credits per degree: 2
Format: LEC

ENVR 334 Psychology of Environmental Sustainability
Crosslisted with: PSYC 334
Description: Applications of psychological principles to understand human transactions with their environments and find behavior-based solutions to environmental problems.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 8 Civic/Ethics/Stewardship

ENVR 387 The Environment and the French-Speaking World
Crosslisted with: FREN 387, ENGL 387, GLST 387
Description: An examination of environmental engagement in the novels, short stories, poetry, films, and music of the French-speaking world.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Groups: Literary and Cultural Studies

ENVR 434 Environmental Education and Interpretation
Crosslisted with: NRES 434, NRES 834
Notes: Requires 20 hours of service
Description: Examination of formal and informal environmental education and interpretation. Knowledge, application and practice relevant to science teachers and park, extension, museums, and zoo educators.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

ENVR 491 Environmental Studies Seminar
Prerequisites: Permission
Notes: Majors must have passed ENVR 101.
Description: Topic varies.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Offered: SPRING

ENVR 495 Internship in Environmental Studies
Prerequisites: Permission.
Description: Experience in off-campus setting that is directly relevant to environmental studies.
Credit Hours: 1-4
Min credits per semester: 1
Max credits per semester: 4
Max credits per degree: 12
Format: IND

ENVR 496 Independent Study
Prerequisites: Permission.
Credit Hours: 1-4
Min credits per semester: 1
Max credits per semester: 4
Max credits per degree: 12
Format: IND

ENVR 499A Environmental Studies Senior Thesis I
Prerequisites: Junior standing, environmental studies major or minor; prior arrangement with program director and emphasis adviser or academic adviser
Notes: First course of a two-semester sequence of courses consisting of ENVR 499A and 499B. Letter Grade only.
Description: Preparation for writing the senior thesis
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC
Prerequisite for: ENVR 499B
ACE: ACE 10 Integrated Product

ENVR 499B Environmental Studies Senior Thesis II
Prerequisites: ENVR 499A
Notes: Second course of a two-semester sequence of courses consisting of ENVR 499A and 499B. The thesis is to be written under the supervision of the emphasis adviser or a faculty member designated by the adviser. A committee of two (the faculty member guiding the thesis and an additional member with expertise in the topic) will review the thesis.
Credit Hours: 2
Max credits per semester: 2
Max credits per degree: 2
Format: IND
ACE: ACE 10 Integrated Product

ENVR 499H Honors: Environmental Studies Senior Thesis I & II
Prerequisites: Permission.
Description: Preparation for writing the senior thesis.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: IND
ACE: ACE 10 Integrated Product
PLEASE NOTE
This document represents a sample 4-year plan for degree completion with this major. Actual course selection and sequence may vary and should be discussed individually with your college or department academic advisor. Advisors also can help you plan other experiences to enrich your undergraduate education such as internships, education abroad, undergraduate research, learning communities, and service learning and community-based learning.

Environmental Studies (B.A.)

Environmental Studies (B.S.)

Career Information

The following represents a sample of the internships, jobs and graduate school programs that current students and recent graduates have reported.

Transferable Skills

• Confidently navigate complex, ambiguous projects and environments
• Conduct and present research to large and small groups
• Integrate information and perspectives from multiple disciplines to solve problems
• Collaborate with a team to develop solutions
• Communicate clearly using different forms of writing to and for a variety of different audiences
• Comprehend and critically evaluate complex information
• Understand and use proper laboratory and technical skills and instruments
• Offer empathetic, sensitive, and patient interactions with others
• Understand and utilize a variety of research methodologies

Jobs of Recent Graduates

• Environmental Scientist, Olsson & Associates Engineering - Lincoln NE
• Water Quality Coordinator, City of Minneapolis - Minneapolis MN
• Wildland Firefighter, United States Forest Service - Kalispell MT
• VISTA Leader, AmeriCorps - Beckley WV
• Plant Ecologist, Prairie Legacy Inc. - Lincoln NE
• Operations Assistant, Yellowstone National Park - WY
• Sustainability Associate, Cleaner Greener Lincoln - Lincoln NE
• National Drought Mitigation Center, University of Nebraska-Lincoln - Lincoln NE
• Field Technician, Fish & Wildlife COOP - Lincoln NE
• Crew Member, Montana Conservation Corps - Kalispell MT
• Junior Consultant, NAQS Environmental Experts - Lincoln NE
• Land Steward, Nature Conservancy - AZ
• Corps Member, FEMA Corps - Baltimore MD
• Extension Field Technologist, University of Nebraska-Lincoln - Lincoln NE
• Wildlife Technician, Northern Arizona University - Vallejo CA

Internships

• Integrated Water Management Planner Assistant, Nebraska Dept of Natural Resources - Lincoln NE
• Biological Technician, USDA-AMRU - Lincoln NE
• Natural Resource Intern, JEO Consulting - Lincoln NE
• Pathways Intern, USDA Natural Resources Conservation Service - Lincoln NE
• Integrated Management Technical Assistant, NE Dept of Natural Resources - Lincoln NE
• Environmental Health Waste Section Intern, Lincoln-Lancaster County Health Dept - Lincoln NE
• Intern, Olsson Associates - La Vista NE
• Crime Analysis, Lincoln Police Department - Lincoln NE
• Project Manager Assistant Intern, Li-COR Biosciences - Lincoln NE
• Waste Section Intern, Lancaster County Health Department - Lincoln NE
• Integrated Water Management Planner Assistant, Nebraska Department of Natural Resources - Lincoln NE
• Biological Technician, USDA-AMRU - Lincoln NE
• Natural Resource Intern, JEO Consulting - Lincoln NE
• Pathways Intern, USDA - Natural Resource Conservation Services - Lincoln NE
• Permaculture Intern, Big Island Farms - Honokaa HI

Graduate & Professional Schools

• Master’s Degree, Natural Resources, University of Nebraska-Lincoln - Lincoln NE
• Juris Doctorate, University of Nebraska-Lincoln - Lincoln NE
• Master’s Degree, Agronomy-Plant Pathology, University of Nebraska-Lincoln - Lincoln NE
• Master’s Degree, Environmental Science and Policy, Indiana University - Bloomington IN
• Master’s Degree, Energy, Technology, & Policy, Humboldt State University - Arcata CA
• Master’s Degree, Environmental Policy, University of Michigan - Ann Arbor MI
• Master’s Degree, Geography, University of Nebraska-Lincoln - Lincoln NE
• Master’s Degree, Public Health, University of Nebraska Medical Center - Omaha NE
• Master’s Degree, Water Biogeochemistry, University of Nebraska-Lincoln - Lincoln NE