ENVIRONMENTAL STUDIES (CASNR)

Description
Website: 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 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.

The degree program consists of four required components:

1. Environmental studies core courses introduce students to the major (ENVR 101 Environmental Studies Orientation) and provide a foundation in the scientific and human dimensions of environmental challenges (ENVR 201 Science, Systems, Environment and Sustainability and ENVR 249 Individual and Cultural Perspectives on the Environment). Students will have the opportunity to work with individuals and organizations involved in environmental challenges within the community (ENVR 319 Environmental Engagement and the Community). The required internship course (ENVR 495 Internship in Environmental Studies) provides the opportunity to gain work experience related to academic and career objectives. The "capstone" senior thesis series (ENVR 499A Environmental Studies Senior Thesis I and ENVR 499B Environmental Studies Senior Thesis II) provides an opportunity to complete a scholarly creative or research product.

2. General collateral courses in Earth and Environmental Systems, Human Dimensions, and Economics and Policy; Earth and environmental systems courses provide the opportunity to explore Earth's four major spheres (land, water, living things, air) and the influence humans have had on their variability over space and through time. Human dimensions courses allow an exploration of human factors driving environmental change: law, politics, ethics, human behavior, cultural diversity, decision-making, and communication. Economics and Policy courses provide an additional lens to view environmental challenges. In addition, students will use and apply relevant research methods, tolls, and technologies to address environmental challenges in an ethical manner.

3. Ancillary requirements in natural sciences (biology, chemistry and physics), mathematics, and statistics.

4. Emphasis area courses. To provide depth within a particular discipline, completion of an emphasis area is required. Three options are available to the students—Natural Resources, Public Health, or completion of a CASNR minor. Students are also encouraged to complete an additional 6 credit hours of discipline specific course work at the 300 level or higher.

College Requirements

College Admission

Requirements for admission into the College of Agricultural Sciences and Natural Resources (CASNR) are consistent with general University admission requirements (one unit equals one high school year): 4 units of English, 4 units of mathematics, 3 units of natural sciences, 3 units of social studies, and 2 units of foreign language. Students must also meet performance requirements (ACT composite of 20 or higher OR combined SAT score of 950 or higher OR rank in the top one-half of graduating class; transfer students must have a 2.0 (on a 4.0 scale) cumulative grade point average and 2.0 on the most recent term of attendance. For students entering the PGA Golf Management degree program, a certified golf handicap of 12 or better (e.g., USGA handicap card) or written ability (MS Word file) equivalent to a 12 or better handicap by a PGA professional or high school golf coach is required. For more information, please visit: http://pgm.unl.edu/requirements.

Admission Deficiencies/Removal of Deficiencies

Students who are admitted to CASNR with core course deficiencies must remove these deficiencies within the first 30 credit hours at UNL, or within the first calendar year at UNL, whichever takes longer, excluding foreign languages. Students have up to 60 credit hours to remove foreign language deficiencies. College-level course work taken to remove deficiencies may be used to meet degree requirements in CASNR.

Deficiencies in the required entrance subjects can be removed by completion of specified courses in the University or by correspondence.

The Office of Admissions, Alexander Building (south entrance), City Campus, provides information to new students on how deficiencies can be removed.

College Degree Requirements

Curriculum Requirements

The curriculum requirements of the College consist of three areas: ACE (Achievement-Centered Education); College of Agricultural Sciences and Natural Resources Core; and Degree Program requirements and electives. All three areas of the College Curriculum Requirements are incorporated within the description of the Major/Degree Program sections of the catalog. The individual major/degree program listings of classes insures that a student will meet the minimum curriculum requirements of the College.

Foreign Languages/Language Requirement

Two units of a foreign language are required. This requirement is usually met with two years of high school language.

Minimum Hours Required for Graduation

The College grants the bachelors degree in programs associated with agricultural sciences, natural resources and related programs. Students working toward a degree must earn at least 120 semester hours of credit. A minimum cumulative grade point average of C (2.0 on a 4.0 scale) must be maintained throughout the course of studies and is required for graduation.

Grade Rules

Removal of C-, D and F Grades

Only the most recent letter grade received in a given course will be used in computing a student's cumulative grade point average if the student has completed the course more than once and previously received a grade or grades below C in that course.
The previous grade (or grades) will not be used in the computation of the cumulative grade point average, but it will remain a part of the academic record and will appear on any transcript.

A student can remove from his/her cumulative average a course grade of C-, D+, D, D- or F if the student repeats the same course at the University of Nebraska and receives a grade other than P (pass), I (incomplete), N (no pass), W (withdrew), or NR (no report). If a course is no longer being offered, it is not eligible for the revised grade point average computation process.

For complete procedures and regulations, see the Office of the University Registrar website at http://www.unl.edu/regrec/course-repeats.

Pass/No Pass
Students in CASNR may take any course offered on a Pass/No Pass basis within the 24-hour limitation established by the Faculty Senate. However, a department may specify that the Pass/No Pass status of its courses be limited to non-majors or may choose to offer some courses for letter grades only.

GPA Requirements
A minimum cumulative grade point average of C (2.0 on a 4.0 scale) must be maintained throughout the course of studies and is required for graduation.

Transfer Credit Rules
To be considered for admission, a transfer student, Nebraska resident or nonresident, must have an accumulated average of C (2.0 on a 4.0 scale) and a minimum C average in the last semester of attendance at another college. Transfer students who have completed less than 12 credit hours of college study must submit either ACT or SAT scores.

Ordinarily, credits earned at an accredited college are accepted by the University. The College, however, will evaluate all hours submitted on an application for transfer and reserves the right to accept or reject any of them. Sixty is the maximum number of hours UNL will accept on transfer from a two-year college. Ninety is the maximum number of hours UNL will accept from a four-year college. Transfer credit in the degree program must be approved by the degree program advisor on a Request for Substitution Form to meet specific course requirements, group requirements, or course level requirements in the major. At least 9 hours in the major field, including the capstone course, must be completed at UNL regardless of the number of hours transferred.

The College will accept no more than 10 semester hours of C, D+, D and D- grades from other schools. The C, D+, D and D- grades can only be applied to free electives. This policy does not apply to the transfer of grades from UNO or UNK to UNL.

Joint Academic Transfer Programs
The College of Agricultural Sciences and Natural Resources has agreements with many institutions to support joint academic programs. The transfer programs include dual degree programs and cooperative degree programs. Dual degree programs offer students the opportunity to receive a degree from a participating institution and also to complete requirements for a bachelor of science degree in CASNR. Cooperative programs result in a single degree from either UNL or the cooperating institution.

Dual Degree Programs
A to B Programs
The A to B Program, a joint academic program offered by the CASNR and participating community colleges, allows students to complete the first two years of a degree program at the participating community college and continue their education and study in a degree program leading toward a bachelor of science degree.

The A to B Program provides a basic knowledge plus specialized course work. Students transfer into CASNR with junior standing.

Depending on the community college, students enrolled in the A to B Program may complete the requirements for an associate of science at the community college, transfer to UNL, and work toward a bachelor of science degree.

Participating community colleges include:
- Central Community College
- Metropolitan Community College
- Mid-Plains Community College
- Nebraska College of Technical Agriculture
- Northeast Community College
- Southeast Community College
- Western Nebraska Community College

3+2 Programs
Two specialized degree programs in animal science and veterinary science are offered jointly with an accredited college or school of veterinary medicine. These two programs permit CASNR animal science or veterinary science students to receive a bachelor of science degree from UNL with a degree in animal science or veterinary science after successfully completing two years of the professional curriculum in veterinary medicine at an accredited veterinary school. Students who successfully complete the 3+2 Program, must complete the “Application for Degree” form and provide transcripts to the Credentials Clerk, Office of the University Registrar, 107 Canfield Administration Building, UNL. Students should discuss these degree programs with their academic advisor.

Cooperative Degree Programs
Academic credit from UNL and a cooperating institution is applied towards a four-year degree from either UNL (UNL degree-granting program) or the cooperating institution (non UNL degree-granting program). All have approved programs of study.

UNL Degree-Granting Programs
A UNL degree-granting program is designed to provide students the opportunity to complete a two-year program of study at one of the four-year institutions listed below, transfer to CASNR and complete the requirements for a bachelor of science degree.

Chadron State College. Chadron State College offers a 2+2 program leading to a grassland ecology and management degree program and a transfer program leading to a Bachelor of Science in Agricultural Education in the teaching option.

Wayne State College. Wayne State College offers a 3+1 program leading to a Bachelor of Science in Plant Biology in the ecology and management option.

University of Nebraska at Kearney. Transfer programs are available for students pursuing degree programs leading to a bachelor of science degree.

University of Nebraska at Omaha. The University of Nebraska at Omaha (UNO) cooperates with CASNR in providing four-semester pre-agricultural sciences, pre-natural resources, pre-food science and technology, pre-
For further information, contact:
Office of Online and Distance Education
University of Nebraska–Lincoln
305 Brace Labs
Lincoln, NE 68588-0109
402-472-4681

For further information, contact:
[36x94]For further information, contact:
[36x113]toward residency. However, certain offerings may not be counted toward
[36x124]the College's education requirements. Credits earned online may count
[36x135]applicable not only as elective credits, but also toward the fulfillment of
[36x146]UNL CASNR faculty teach horticulture and food science and technology
courses at UNO to assist an urban population in better understanding the
food processing, horticulture, and landscape horticulture industries.

A student enrolled in these programs may transfer all satisfactorily
completed academic credits identified in the suggested program of study,
and enter CASNR to study toward a degree program leading to a bachelor
of science degree. The total program would require a minimum of four
years or eight semesters (16 credit hours/semester or 120 credit hours).

UNL CASNR faculty teach horticulture and food science and technology
courses at UNO to assist an urban population in better understanding the
food processing, horticulture, and landscape horticulture industries.

For more information, contact the CASNR Dean's Office, 800-472-8800,
ext. 2541.

Non UNL Degree-Granting Programs
The CASNR cooperates with other institutions to provide course work
that is applied towards a degree at the cooperating institution. Pre-
professional programs offered by CASNR allow students to complete the
first two or three years of a degree program at UNL prior to transferring
and completing a degree at the cooperating institution.

Chadron State College—Range Science. The 3+1 Program in range
science allows Chadron State College students to pursue a range science
degree through Chadron State College. Students complete three years of
course work at Chadron State College and one year of specialized range
science course work (32 credit hours) at CASNR.

Dordt College (Iowa) — Agricultural Education: Teaching Option. This
program allows students to pursue an Agricultural Education Teaching
Option degree leading toward a bachelor of science in agricultural
education. Students at Dordt College will complete 90 credit hours in the
Agricultural Education: Teaching Option Transfer Program.

Residency
Students must complete at least 30 of the total hours for their degree
using UNL credits. At least 18 of the 30 credit hours must be in courses
offered through CASNR1 (∼299) including the appropriate ACE 10 degree
requirement or an approved ACE 10 substitution offered through another
UNL college and excluding independent study regardless of the number
of hours transferred. Credit earned during education abroad may be
used toward the residency requirement if students register through
UNL and participate in prior-approved education abroad programs. UNL
open enrollment and summer independent study courses count toward
residency.

1 Includes courses taught by CASNR faculty through interdisciplinary
prefixes (e.g., LIFE, MBIO, ENVIR, SCIL, EAEP, HRTM, ENSC) and CASNR
crosslisted courses taught by non-CASNR faculty.

Online and Distance Education
There are many opportunities to earn college credit online through
the University of Nebraska—Lincoln. Some of these credits may be
applicable not only as elective credits, but also toward the fulfillment of
the College’s education requirements. Credits earned online may count
toward residency. However, certain offerings may not be counted toward
scholarship requirements or academic recognition criteria.

For more information, contact:
Office of Online and Distance Education
University of Nebraska—Lincoln
305 Brace Labs
Lincoln, NE 68588-0109
402-472-4681

http://online.unl.edu/

Independent Study Rules
Students wishing to take part in independent studies must obtain
permission; complete and sign a contract form; and furnish copies of the
contract to the instructor, advisor, departmental office, and the Dean's
Office. The contract should be completed before registration. Forms are
available in 103 Agricultural Hall or online at the CASNR website.

Independent study projects include research, literature review or
extension of course work under supervision and evaluation of a
departmental faculty member.

Students may only count 12 hours of independent study toward their
degrees and no more than 6 hours can be counted during their last 36
hours earned, excluding senior thesis, internships, and courses taught
under an independent study number.

Other College Degree Requirements
Capstone Course Requirement
A capstone course is required for each CASNR degree program. A
capstone course is defined as a course in which students are required to
integrate diverse bodies of knowledge to solve a problem or formulate a
policy of societal importance.

ACE Requirements
All students must fulfill the Achievement Centered Education (ACE)
requirements. Information about the ACE program may be viewed at
www.ace.unl.

The minimum requirements of CASNR reflect the common core of
courses that apply to students pursuing degrees in the college. Students
should work with an advisor to satisfy ACE outcomes 1, 2, 3, 4, 6 and 10
with the college requirements.

Catalog Rule
Students must fulfill the requirements stated in the catalog for the
academic year in which they are first admitted to UNL or when they were
first admitted to a Joint Academic Transfer Program. 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 Agricultural Sciences
and Natural Resources. Students must complete all degree requirements
from a single catalog year. The catalog which a student follows for
degree requirements may not be more than 10 years old at the time of
graduation.

Learning Outcomes
Majors in 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. 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.
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. Effectively work in teams and groups from various backgrounds and perspectives to address environmental challenges.

7. 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.

8. 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.

**Major Requirements**

**College Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIL 101</td>
<td>Science and Decision-Making for a Complex World</td>
<td>3</td>
</tr>
</tbody>
</table>

**Communications**

Select one Written Communication (ACE 1) course of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 150</td>
<td>Writing and Inquiry</td>
<td></td>
</tr>
<tr>
<td>ENGL 151</td>
<td>Writing and Argument</td>
<td></td>
</tr>
<tr>
<td>ENGL 254</td>
<td>Writing and Communities</td>
<td></td>
</tr>
<tr>
<td>JGEN 120</td>
<td>Basic Business Communication</td>
<td></td>
</tr>
<tr>
<td>JGEN 200</td>
<td>Technical Communication I</td>
<td></td>
</tr>
</tbody>
</table>

Select one Oral Communication (ACE 2) course of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALEC 102</td>
<td>Interpersonal Skills for Leadership</td>
<td></td>
</tr>
<tr>
<td>COMM 109</td>
<td>Fundamentals of Human Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 209</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 286</td>
<td>Business and Professional Communication</td>
<td></td>
</tr>
<tr>
<td>NRES 301</td>
<td>Environmental Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Select one Communication and Interpersonal Skills elective of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any ACE 1 course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any ACE 2 course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALEC 202</td>
<td>Foundations of Leadership Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>NRES 301</td>
<td>Environmental Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

**Humanities & Social Science**

Select one ACE 5 Humanities

Select one ACE 7 Arts

Credit Hours Subtotal: 18

**Specific Major Requirements**

**Environmental Studies Core (BS Degree)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>
<tr>
<td>ENVR 319</td>
<td>Environmental Engagement and the Community</td>
<td>2</td>
</tr>
<tr>
<td>ENVR 495</td>
<td>Internship in Environmental Studies</td>
<td>1</td>
</tr>
<tr>
<td>ENVR 499A</td>
<td>Environmental Studies Senior Thesis I</td>
<td>1</td>
</tr>
<tr>
<td>ENVR 499B</td>
<td>Environmental Studies Senior Thesis II</td>
<td>2</td>
</tr>
</tbody>
</table>

**Earth and Environmental Systems (BS Degree)**

- **Ecology**
  - NRES 220 / BIOS 220 & NRES 222 / BIOS 222
  - Principles of Ecology and Ecology Laboratory (Recommended)

- **Soil**
  - SOIL 153 / AGRO 153 / HORT 153
  - Soil Resources

- **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

- **Water**
  - Select one of the following: 3
    - ENVR 189H University Honors Seminar
    - SCIL 109 Water in Society
    - WATS 281 / GEOG 281 / NRES 281 Introduction to Water Science

- **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

**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 Sciences
  - NRES 412 / GEOG 412 Systems
  - NRES 418 / GEOG 418 Introduction to Remote Sensing
  - CRPL 433 GIS in Environmental Design and Planning

**Human Dimensions Electives**
Select two courses from two different departments of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 256</td>
<td>Legal Aspects in Agriculture</td>
</tr>
<tr>
<td>AECN 276 /</td>
<td>Rural Sociology</td>
</tr>
<tr>
<td>SOCI 241</td>
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</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 376</td>
<td>Rural Community Economics</td>
</tr>
<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>ALEC 125</td>
<td>Land, Food and People</td>
</tr>
<tr>
<td>ALEC 202</td>
<td>Foundations of Leadership Theory and Practice</td>
</tr>
<tr>
<td>ALEC 388 /</td>
<td>Ethics in Agriculture and Natural Resources</td>
</tr>
<tr>
<td>AECN 388</td>
<td></td>
</tr>
<tr>
<td>ALEC 393</td>
<td>Digital Imaging and Storytelling in Agriculture</td>
</tr>
<tr>
<td>AECN 410 /</td>
<td>Environmental Leadership</td>
</tr>
<tr>
<td>NRES 413</td>
<td></td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANTH 130</td>
<td>Anthropology of the Great Plains</td>
</tr>
<tr>
<td>ANTH 170 /</td>
<td>Introduction to Great Plains Studies</td>
</tr>
<tr>
<td>GEOG 170 /</td>
<td></td>
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<td>GPSP 170 /</td>
<td></td>
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<td>NRES 170 /</td>
<td></td>
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<tr>
<td>SOCI 170</td>
<td></td>
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<tr>
<td>ANTH 212 /</td>
<td>Introduction to Cultural Anthropology</td>
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<tr>
<td>ETHN 212</td>
<td></td>
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<tr>
<td>ANTH 261 /</td>
<td>Conflict and Conflict Resolution</td>
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<tr>
<td>POLS 261 /</td>
<td></td>
</tr>
<tr>
<td>SOCI 261</td>
<td></td>
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<tr>
<td>ANTH 351 /</td>
<td>Indigenous Peoples of North America</td>
</tr>
<tr>
<td>ETHN 351</td>
<td></td>
</tr>
<tr>
<td>ANTH 454</td>
<td>Ethnographic Field School</td>
</tr>
<tr>
<td>ANTH 473</td>
<td>Ecological Anthropology</td>
</tr>
<tr>
<td>ANTH 476</td>
<td>Human Rights, Environment, and Development</td>
</tr>
<tr>
<td>BLAW 300</td>
<td>Business, Government &amp; Society</td>
</tr>
<tr>
<td>COMM 101</td>
<td>Communication in the 21st Century</td>
</tr>
<tr>
<td>COMM 210</td>
<td>Communicating in Small Groups</td>
</tr>
<tr>
<td>COMM 211 /</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>ETHN 211</td>
<td></td>
</tr>
<tr>
<td>COMM 220</td>
<td>Public Advocacy and Civic Engagement</td>
</tr>
<tr>
<td>COMM 271</td>
<td>Organizing Social Change</td>
</tr>
<tr>
<td>COMM 283</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>COMM 334 /</td>
<td>Polls, Politics and Public Opinion</td>
</tr>
<tr>
<td>POLS 334</td>
<td></td>
</tr>
<tr>
<td>COMM 465</td>
<td>Communication and Social Identity</td>
</tr>
<tr>
<td>COMM 371</td>
<td>Communication in Negotiation and Conflict</td>
</tr>
<tr>
<td>Resolution</td>
<td></td>
</tr>
<tr>
<td>COMM 375</td>
<td>Theories of Persuasion</td>
</tr>
<tr>
<td>CRPL 470</td>
<td>Environmental Planning and Policy</td>
</tr>
<tr>
<td>CYAF 460</td>
<td>Human Dimensions of Sustainability</td>
</tr>
<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</td>
</tr>
<tr>
<td></td>
<td>Systems</td>
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<tr>
<td>GEOG 447</td>
<td>Political Geography</td>
</tr>
<tr>
<td>MNGT 300</td>
<td>Management Essentials For Contemporary</td>
</tr>
<tr>
<td></td>
<td>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>GEOL 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>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>SOC 346</td>
<td>Environmental Sociology</td>
</tr>
<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 Interpret</td>
</tr>
<tr>
<td>ENVR 434</td>
<td></td>
</tr>
<tr>
<td>POLS 361</td>
<td>The United Nations and World Politics</td>
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<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>
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</table>

**Economics and Policy**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>AECN 141</td>
<td>Introduction to the Economics of Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>ECON 200</td>
<td>Economic Essentials and Issues</td>
<td></td>
</tr>
<tr>
<td>ECON 211</td>
<td>Principles of Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 212</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>AECN 345</td>
<td>Policy Issues in Agriculture and Natural Resources</td>
<td></td>
</tr>
<tr>
<td>AECN 346</td>
<td>World Food Economics</td>
<td></td>
</tr>
<tr>
<td>AECN 457</td>
<td>Water Law</td>
<td></td>
</tr>
<tr>
<td>CRPL 470</td>
<td>Environmental Planning and Policy</td>
<td></td>
</tr>
<tr>
<td>NRES 323</td>
<td>Natural Resources Policy</td>
<td></td>
</tr>
</tbody>
</table>

**Ancillary Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 324</td>
<td>Natural Resources Policy</td>
<td></td>
</tr>
</tbody>
</table>

**Mathematics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 102</td>
<td>Trigonometry (or higher)</td>
<td>2-5</td>
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**Statistics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 218</td>
<td>Introduction to Statistics (or equivalent)</td>
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</tbody>
</table>

**Biological Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 101 /</td>
<td>General Biology and General Biology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOS 101L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGRO 131 /</td>
<td>Plant Science and Agronomic Plant Science Laboratory</td>
<td>6</td>
</tr>
<tr>
<td>&amp; AGRO 132</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIFE 120 /</td>
<td>Fundamentals of Biology I and Fundamentals of Biology I Laboratory</td>
<td>8</td>
</tr>
<tr>
<td>&amp; LIFE 120L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chemistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 105 /</td>
<td>Chemistry in Context I and Chemistry in Context II</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CHEM 106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 109 /</td>
<td>General Chemistry I and General Chemistry II</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CHEM 110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 113 /</td>
<td>Fundamental Chemistry I and Fundamental Chemistry II</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CHEM 114</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Physics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 115</td>
<td>Descriptive Physics</td>
<td>3-5</td>
</tr>
<tr>
<td>PHYS 141</td>
<td>Elementary General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 151</td>
<td>Elements of Physics</td>
<td></td>
</tr>
<tr>
<td>MSYM 109</td>
<td>Physical Principles in Agriculture and Life Sciences</td>
<td>79</td>
</tr>
</tbody>
</table>

**Credit Hours Subtotal:**

| Total Credit Hours | 120 |

**Program Emphasis Areas**

**Option 1. Any CASNR Minor or second major, selected in consultation with academic advisor – 18 cr**

Students are strongly encouraged to add 6 additional credits at the 300 level or higher of discipline-specific courses, especially if they are considering graduate work.

**Option 2. Natural Resources – 19-25 cr**

The Natural Resources emphasis area has been designed to allow a student to tailor their course work to meet their learning and career objectives. By the end of their sophomore year, the student will work with the environmental studies academic advising team to develop an individual study plan for approval. Their plan of study must include at least 7 courses and a minimum of 19 hours of course work in natural resources courses (NRES, WATS, SOIL, RNGE). Three of the courses need to be at the 300 level or above. A rationale for the courses they have chosen as they relate to learning or career objectives will be submitted with their study plan. The plan can be changed at any time, but must receive appropriate approval.

**Option 3. Public Health – 18 cr**

The Public Health emphasis is a collaborative program between the bachelor of science in environmental studies (BSES) at the University of Nebraska–Lincoln (UNL) and the master of public health (MPH) with a concentration in environmental and occupational health (EOH) at the University of Nebraska Medical Center (UNMC) (http://www.unmc.edu/publichealth/programs/mphdualdegree/bses-mph.html). The program provides students in the environmental studies program at UNL an option to complete the undergraduate degree in environmental studies and the MPH in EOH in about five years. The collaborative program is
designed for dedicated undergraduate students who are motivated and willing to take on the challenges and opportunities related to professional education. The collaborative BSES and MPH in EOH involves intensive study, a senior thesis, service learning, and capstone courses in EOH.

The collaborative program is a 147-155 credit hour undergraduate/professional option allowing eligible students to work toward the EOH concentration in the MPH program requirements while completing their undergraduate degree. Students interested in this option will work closely with their advisors to develop an integrated plan of study. The plan will cover the entire undergraduate and professional program and will be reviewed each semester with the student's advisors. A maximum of 18 credits from the MPH program (of the required 45 graduate credits for the MPH degree) will be counted toward the undergraduate degree. The student will receive a BS in environmental studies with an emphasis in public health and an MPH with a concentration in environmental and occupational health. Students with sophomore standing and at least 45 hours of completed course work in their undergraduate degree program may apply for admission to the collaborative BSES and MPH in EOH. See the environmental studies program coordinator or the UNMC graduate studies bulletin for pre-requisite and admission process details.

The Public Health courses from the UNMC Master of Public Health program are:

- CPH 500 Foundations of Public Health
- CPH 501 Human Health Behavior
- CPH 502 Health Services Administration
- CPH 503 Public Health, Environment and Safety
- CPH 504 Epidemiology in Public Health
- CPH 506 Biostatistics

Option 4. Pre-Law (Year 4) - Nebraska College of Law – 33 cr

Students interested in this option must adhere to the following process and set of requirements:

1. An LSAT score of at least 156.
2. A cumulative GPA of 3.6 or higher (as calculated by the Law School Admission Council).
3. Successful completion of 75% of undergraduate course requirements including no more than 6 credit hours of P/N.
4. Satisfaction of all standard law school application requirements with timely submissions.
5. No information reflecting adversely on the applicant's character including academic probation.
6. Provision of letter from the Dean or equivalent authority outlining suitable eligibility for application.

Students who cannot satisfy all six of the criteria for automatic admission can still gain admission to the College of Law component of the 3+3 Program; however, they must gain admission via a law college admissions committee review. If unsuccessful in this effort, a student is welcome to reapply whereby prior applications will not factor into the College of Law’s admission decision. However, the intended program of study will have been disrupted and a secondary plan for year four of the undergraduate study must be employed.

NOTE: Students completing Option 4 will have 5-10 hours of elective course work to reach 120 hours for undergraduate graduation.

Year 1 College of Law
Select 33 credits from the following list of courses:

| Credit Hours Subtotal: | 33 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW 501 &amp; LAW 502</td>
<td>Contracts I and Contracts II</td>
</tr>
<tr>
<td>LAW 501G &amp; LAW 502G</td>
<td>Contracts I and Contracts II</td>
</tr>
<tr>
<td>LAW 503</td>
<td>Torts I</td>
</tr>
<tr>
<td>LAW 505 &amp; LAW 506</td>
<td>Property I and Property II</td>
</tr>
<tr>
<td>LAW 505G &amp; LAW 506G</td>
<td>Property I and Property II</td>
</tr>
<tr>
<td>LAW 508</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>or LAW 508C</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>LAW 513</td>
<td>Legal Research and Writing &amp; LAW 514</td>
</tr>
<tr>
<td>LAW 513G</td>
<td>Legal Research and Writing &amp; LAW 514G</td>
</tr>
<tr>
<td>LAW 516</td>
<td>Civil Procedure I &amp; LAW 517</td>
</tr>
<tr>
<td>LAW 516G</td>
<td>Civil Procedure I &amp; LAW 517G</td>
</tr>
<tr>
<td>LAW 518 &amp; LAW 518G</td>
<td>International Perspectives in U.S. Legal System: Practicing Law in a Global Legal Environment</td>
</tr>
<tr>
<td>Credit Hours Subtotal:</td>
<td>33</td>
</tr>
</tbody>
</table>

1. CPH 506 Biostatistics will generally substitute for STAT 218 Introduction to Statistics or equivalent.

Additional Major Requirements

Grade Rules

C- and D Grades
Environmental studies majors must earn a C or P in all major core courses with the exception of ancillary courses.

Pass/No Pass
No environmental studies (ENVR) core courses, unless offered Pass/No Pass, or discipline-specific emphasis area courses may be taken Pass/No Pass.

Requirements for Minor Offered by Department

Environmental Studies Minor
Minimum of 18 hours with 6 hours at 300 level or above are required.

Required Environmental Studies Courses

| Credit Hours Subtotal: | 9 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 101</td>
<td>Environmental Studies Orientation</td>
</tr>
<tr>
<td>ENVR 201</td>
<td>Science, Systems, Environment and Sustainability</td>
</tr>
<tr>
<td>ENVR 249</td>
<td>Individual and Cultural Perspectives on the Environment</td>
</tr>
<tr>
<td>ENVR 319</td>
<td>Environmental Engagement and the Community</td>
</tr>
</tbody>
</table>

Earth and Environmental Systems

Select one course from the Earth and Environmental Systems section of the major

| Credit Hours Subtotal: | 3 |
**Human Dimensions**
Select one course from the Human Dimensions Electives section of the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: **3**

**Economics and Policy**
Select one course from the Economics and Policy section of the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: **3**

Total Credit Hours **18**

**Environmental Education Minor**
A minor in environmental education is designed to provide additional qualifications for students interested in pursuing a career in the field of environmental and natural resources education. Career options for students pursuing an environmental education minor include working in formal and non-formal educational settings; employment in the public or private sector; and serving as educational specialists, extension educators, and program leaders. Courses selected for the minor's curriculum were chosen for their holistic perspective and interdisciplinary approach to environmental and natural resources studies. A number of the courses focus regionally on the environment of the Great Plains.

The 18-hour minor includes lower and upper division courses.

**Foundations of Environmental Education**
NRES 301 Environmental Communication Skills
NRES 434 / ENVR 434 Environmental Education and Interpretation

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 301</td>
<td>3</td>
</tr>
<tr>
<td>NRES 434 /</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 434</td>
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</table>

Credit Hours Subtotal: **6**

**Systems Approach to Earth and Ecological Processes**
Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 201</td>
<td>3</td>
</tr>
<tr>
<td>NRES 220 /</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 220</td>
<td></td>
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</tbody>
</table>

Credit Hours Subtotal: **3**

**Learning Characteristics and Outdoor Leadership Experiences**
Select three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODED 100A</td>
<td>3</td>
</tr>
<tr>
<td>ODED 100N</td>
<td></td>
</tr>
<tr>
<td>ODED 107B</td>
<td></td>
</tr>
<tr>
<td>ODED 109B</td>
<td></td>
</tr>
<tr>
<td>ODED 110B</td>
<td></td>
</tr>
<tr>
<td>EDPS 250</td>
<td></td>
</tr>
<tr>
<td>or EDPS 251</td>
<td></td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: **3**

**Implementation of Outdoor Educational Experiences**
Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIL 300</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 495</td>
<td></td>
</tr>
<tr>
<td>ENV R 496</td>
<td></td>
</tr>
<tr>
<td>ENV R 499A &amp;</td>
<td></td>
</tr>
<tr>
<td>ENV R 499B</td>
<td></td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: **6**

**Society and the Environment Minor**
The society and the environment minor will prepare students to contribute solutions for current and future local, regional, and global environmental challenges. Stewardship and the efficient, sustainable use of environmental, financial, and human resources will be the foundational concepts for this minor. More specifically, the educational component of this minor will provide students with explicit opportunities to engage in the community and develop skills sets to employ a systems approach to achieve a balance of economic development with the conservation of the earth’s natural system. This minor will be available to all University of Nebraska–Lincoln students upon approval of individual colleges.

**Minor Description**
The 18-credit-hour minor includes 9 credit hours of core courses. Each student chooses an additional 9 credit hours of elective courses from one of three tracks. These elective hours should include at least one 300 level and one 400-level course. Students and advisors need to be aware that prequisites may be required for some courses. These need to be addressed during advising process.

**Core Courses**
ARCH 107 Sustainability Basics and the Build Environment (ACE 8)
ENVR 201 Science, Systems, Environment and Sustainability (ACE 8)
ENVR 319 Environmental Engagement and the Community
ENVR 495 Internship in Environmental Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ARCH 107</td>
<td>3</td>
</tr>
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<td>ENVR 201</td>
<td>3</td>
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<tr>
<td>ENVR 319</td>
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<tr>
<td>ENVR 495</td>
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Credit Hours Subtotal: **9**

**Elective Courses**
Select one track of the following:

**Track 1: Built Environment**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>LARC 200 /</td>
<td>9</td>
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<td>HORT 200 /</td>
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<td>GEOG 200</td>
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<tr>
<td>CIVE 326 /</td>
<td></td>
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<td>BSEN 326</td>
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<td>ARCH 333</td>
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<td>CONE 450</td>
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<td>CYAF 460</td>
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<td>NRES 409 /</td>
<td></td>
</tr>
<tr>
<td>GEOG 409</td>
<td></td>
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<td>NRES 409 /</td>
<td></td>
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<td>GEOG 409</td>
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**Track 2: Community Development**
Select 9 credits of the following:

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>AECN 376</td>
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<tr>
<td>CRPL 400</td>
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</tr>
<tr>
<td>CRPL 433</td>
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<tr>
<td>CRPL 470</td>
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<tr>
<td>CRPL 471</td>
<td></td>
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<tr>
<td>CRPL 472</td>
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</tr>
</tbody>
</table>

**Track 3: Natural Resources**
Select 9 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIL 300</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 495</td>
<td></td>
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<tr>
<td>ENV R 496</td>
<td></td>
</tr>
<tr>
<td>ENV R 499A &amp;</td>
<td></td>
</tr>
<tr>
<td>ENV R 499B</td>
<td></td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: **18**
Environmental Studies (CASNR)

[Text continues as per the image]
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 434 Environmental Education and Interpretation
Crosslisted with: NRES 434, NRES 834
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. Requires 20 hours of service.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

ENVR 491 Environmental Studies Seminar
Prerequisites: Senior standing; ENVR major or minor; or permission of program director.
Description: Topic varies.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

ENVR 495 Internship in Environmental Studies
Prerequisites: Junior standing; environmental studies major; prior arrangement with and permission of environmental program director and emphasis adviser.
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: Environmental studies major; prior arrangement with and permission of program director and emphasis adviser.
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: Junior standing; good standing in the University Honors Program; ENVR major or minor; prior arrangement with program director, emphasis adviser, and honors program adviser.
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 - Program
Emphasis Area Option 1

13 HR TERM 1

Environmental Study Core

complete ENVR 101

1hr
1
C

ACE 1 Written
complete 1 from ENGL 150, ENGL 151, ENGL 254, JGEN 120, JGEN 200

ENGL 151 is preferred.

Biological Science

complete 2 from AGRO 131, AGRO 132, BIOS 101, BIOS 101L, LIFE 120, LIFE 120L

Completion of the Biological Science requirement becomes critical to your success in the major if not completed by the fourth term of enrollment.

Mathematics

complete 1 from MATH 102, MATH 103, MATH 104, MATH 106, MATH 107, MATH 208

Choose 2-5 hours. Completion of a MATH course becomes critical to your success in the major if not completed by the fourth term of enrollment.

Natural Resources Core

complete SCIL 101

SCIL 101 is critical to your success in the major if not completed in the second term of enrollment.

19 HR TERM 2

ACE 2 Oral Comm

complete 1 from ALEC 102, COMM 109, COMM 209, COMM 286, NRES 301

ALEC 102 is preferred.

Mathematics

complete 1 from MATH 102, MATH 103, MATH 104, MATH 106, MATH 107, MATH 208

Choose additional MATH course if 5 hour requirement is not complete.

Earth Systems Course

complete 1 from ENSC 110, GEOG 155, GEOG 181, GEOL 101, GEOL 106, GEOL 109, GEOL 120, GEOL 125, NRES 108

ACE 5 Humanities

complete 1 from ACE5

3hr

3hr

ACE 6 Economics/Policy

complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECN 357, CRPL 470, NRES 323

4hr

Soil Course

complete SOIL 153

14 HR TERM 3

ACE 8 Ethical Principles

complete ENVR 201

3hr

ENVR 201 becomes critical to your success in the major if not completed by the third term of enrollment.

Ecology Courses

complete NRES 220, NRES 222

NRES 220 becomes critical to your success in the major if not completed by the fourth term of enrollment.

ACE 4 General Chemistry

complete CHEM 109

4hr

CHEM 109 becomes critical to your success in the major if not completed by the third term of enrollment. CHEM 105 may also be chosen.

Minor Requirement

recommend 1 or more courses

3hr

Chose a course towards an Emphasis/Minor.

17 HR TERM 4

ACE 9 Global/Human Divers
complete ENVR 249

ACE 4 General Chemistry
complete CHEM 110

Choose CHEM 106 if you took CHEM 105 in a previous semester.

Climate Course
complete 1 from METR 100, METR 180, NRES 104, NRES 208

Agricultural Economics
recommend 1 or more courses

Complete a course towards the Human Dimensions requirements.

Water Course
complete 1 from ENVR 189H, SCIL 109, WATS 281

Milestones
1. You must declare a required minor or emphasis by this term.

14 HR TERM 5

ACE 6 Economics/Policy
complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECN 357, CRPL 470, NRES 323

Environmental Study Core
complete ENVR 495

ACE 4 Physics
complete 1 from MSYM109#, PHYS 115, PHYS 141, PHYS 151

Minor Requirement
complete Any Course

ACE 7 Arts
complete 1 from ACE7

14 HR TERM 6

Environmental Study Core
complete ENVR 319

Electives
complete Any Course

Geospatial Science
complete 1 from CRPL 433, GEOG 419, NRES 312, NRES 412, NRES 418

ACE 3 Statistics
complete STAT 218

STAT 218 becomes critical to your success in the major if not completed by the sixth term of enrollment.

Natural Resources
recommend 1 or more courses

Complete a course towards the Human Dimensions requirements.

16 HR TERM 7

Environmental Study Core
complete ENVR 499A
Environmental Study Core
complete ENVR 499B
3hr

C complete Any Course
3hr

Graduation Requirements
1. Performance Measure: 2.00 GPA required for graduation.
2. ***Total Credits Applying Toward 120 Total Hours***

Environmental Studies - Natural Resources
Emphasis Option 2
Icon Legend: Critical

13 HR TERM 1

Environmental Study Core
complete ENVR 101
1hr

ACE 1 Written
complete 1 from ENGL 150, ENGL 151, ENGL 254, JGEN 120, JGEN 200
3hr

ENGL 151 is preferred to fulfill the ACE 1 requirement.

Biological Science
complete 2 from AGRO 131, AGRO 132, BIOS 101, BIOS 101L, LIFE 120, LIFE 120L
4hr

Completion of the Life Science requirement becomes critical to your success in the major if not completed by the fourth term of enrollment.

Mathematics
complete 1 from MATH 102, MATH 103, MATH 104, MATH 106, MATH 107, MATH 208
6hr

C
2hr

Complete 2-5 hours. Completion of a MATH course becomes critical to your success in the major if not completed by the second term of enrollment.

Natural Resources Core
complete SCIL 101
3hr

C
3hr

SCIL 101 becomes critical to your success in the major if not completed by the second term of enrollment.

19 HR TERM 2

Agricultural Economics
recommend 1 or more courses

Complete a 400 level course towards the Human Dimensions requirement.

Comm/Interpersonal Skills
complete 1 from ALEC 202, ACE1, ACE2

NRES 260 is preferred.

Minor Requirement
complete Any Course at any Level

Chose three courses towards an Emphasis/Minor.

14 HR TERM 8

Environmental Study Core
complete ENVR 499B

Minor Requirement
complete Any Course

Chose two courses towards an Emphasis/Minor.

Agronomy
recommend 1 or more courses

Complete a 400 level course towards the Human Dimensions requirement.

Electives
complete Any Course
3hr
ACE 2 Oral Comm
complete 1 from ALEC 102, COMM 109, COMM 209, COMM 286, NRES 301

ALEC 102 is preferred to fulfill the ACE 2 requirement.

Mathematics
complete 1 from MATH 102, MATH 103, MATH 104, MATH 106, MATH 107, MATH 208

Completion of a MATH course becomes critical to your success in the major if not completed by the second term of enrollment. Choose additional MATH course if 5 hour requirement is not complete.

Earth Systems Course
complete 1 from ENSC 110, GEOG 155, GEOG 181, GEOL 101, GEOL 106, GEOL 109, GEOL 120, GEOL 125, NRES 108

ACE 5 Humanities
complete 1 from ACE5

ACE 6 Economics/Policy
complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECN 357, CRPL 470, NRES 323

Soil Course
complete SOIL 153

14 HR TERM 3
ACE 8 Ethical Principles
complete ENVR 201

ENVR 201 becomes critical to your success in the major if not completed by the third term of enrollment.

Ecology Courses
complete NRES 220, NRES 222

ACE 4 General Chemistry
complete CHEM 109

CHEM 109 becomes critical to your success in the major if not completed by the third term of enrollment.

Water Course
complete 1 from ENVR 189H, SCIL 109, WATS 281

17 HR TERM 4
ACE 9 Global/Human Divers
complete ENVR 249

ACE 4 General Chemistry
complete CHEM 110

Climate Course
complete 1 from METR 100, METR 180, NRES 104, NRES 208

Agricultural Economics
complete 1 from AECN 276, AECN 376, AECN 456

Complete a course towards the Human Dimensions requirements.

Electives
complete Any Course

Recommended to take a course towards an Emphasis/Minor.

Milestones
1. You must declare a required minor or emphasis by this term.
14 HR TERM 5

Comm/Interpersonal Skills
complete 1 from ALEC 202, ACE1, ACE2

NRES 260 is preferred.

Environmental Study Core
complete ENVR 495

ACE 4 Physics
complete 1 from MSYM109#, PHYS 115, PHYS 141, PHYS 151

ACE 7 Arts
complete 1 from ACE7

Electives
complete Any Course

Recommended to take a course towards an Emphasis/Minor.

13 HR TERM 7

Environmental Study Core
complete ENVR 499A

ACE 3 Statistics
complete STAT 218

3hr

STAT 218 becomes critical to your success in the major if not completed by the sixth term of enrollment.

Management
recommend 1 or more courses

1hr

C

Complete a course towards the Human Dimensions requirements.

17 HR TERM 6

Environmental Study Core
complete ENVR 319

Agricultural Economics
complete AECN 457

3hr

C

Complete a 400 level course towards the Human Dimensions requirements.

Electives
complete Any Course

Recommended to take three courses towards an Emphasis/Minor.

ACE 6 Economics/Policy
complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECN 357, CRPL 470, NRES 323

14 HR TERM 8

Environmental Study Core
complete ENVR 499B

Recommended to take a course towards an Emphasis/Minor.

Geospatial Science
complete 1 from CRPL 433, GEOG 419, NRES 312, NRES 412, NRES 418

3hr
Environmental Studies - Natural Resources

**Complete NRES 434**

Complete a 400 level course towards the Human Dimensions requirements.

**Electives**

**Complete Any Course**

Recommended to take one Elective course towards an Emphasis/Minor.

**Graduation Requirements**

1. **Performance Measure:** 2.00 GPA required for graduation.
2. **Total Credits Applying Toward 120 Total Hours**

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**Environmental Studies - Public Health Emphasis Area Option 3**

**16 HR TERM 1**

**Environmental Study Core**

**Complete ENVR 101**

**Natural Resources Core**

**Complete SCIL 101**

SCIL 101 becomes critical to your success in the major if not completed in the first term of enrollment.

**Mathematics**

**Complete 1 from MATH 102, MATH 103, MATH 104, MATH 106, MATH 107, MATH 208**

Completion of a MATH course becomes critical to your success in the major if not completed by the second term of enrollment.

**ACE 1 Written**

**Complete 1 from ENGL 150, ENGL 151, ENGL 254, JGEN 120, JGEN 200**

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**Biological Science**

**Complete 1 from AGRO 131, AGRO 132, BIOS 101, BIOS 101L, LIFE 120, LIFE 120L**

Completion of the Biological Science requirement becomes critical to your success in the major if not completed by the fourth term of enrollment.

**16 HR TERM 2**

**ACE 6 Economics/Policy**

**Complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECN 357, CRPL 470, NRES 323**

**Soil Course**

**Complete SOIL 153**

**ACE 2 Oral Comm**

**Complete 1 from ALEC 102, COMM 109, COMM 209, COMM 286, NRES 301**

**Electives**

**Complete Any Course**

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**16 HR TERM 3**

**ACE 8 Ethical Principles**

**Complete ENVR 201**

ENVR 201 becomes critical to your success in the major if not completed by the fourth term of enrollment.

**ACE 4 General Chemistry**
complete CHEM 109

CHEM 109 becomes critical to your success in the major if not completed by the third term of enrollment. CHEM 105 may also be chosen.

**Natural Resources**

complete 1 from NRES 111, NRES 301, NRES 409, NRES 423, NRES 434, NRES 475

**ACE 5 Humanities**

complete 1 from ACE5

**Political Science**

recommend 1 or more courses

Complete a course towards the Human Dimensions requirements.

**16 HR TERM 4**

**ACE 9 Global/Human Divers**

complete ENVR 249

**ACE 4 General Chemistry**

complete CHEM 110

Choose CHEM 106 if you took CHEM 105 in a previous semester.

**ACE 7 Arts**

complete 1 from ACE7

**Earth Systems Course**

complete 1 from ENSC 110, GEOG 155, GEOG 181, GEOL 101, GEOL 106, GEOL 109, GEOL 120, GEOL 125, NRES 108

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**Water Course**

complete SCIL 109

**10 HR TERM 5**

**ACE 6 Economics/Policy**

complete 1 from AECN 141, ECON 200, ECON 211, ECON 212, AECN 345, AECN 346, AECON 357, CRPL 470, NRES 323

**Ecology Courses**

complete NRES 220, NRES 222

NRES 220 becomes critical to your success in the major if not completed by the fourth term of enrollment.

**Climate Course**

complete 1 from METR 100, METR 180, NRES 104, NRES 208

**14 HR TERM 6**

**Environmental Study Core**

complete ENVR 319, ENVR 495

**ACE 4 Physics**

complete 1 from MSYM109#, PHYS 115, PHYS 141, PHYS 151

**Geospatial Science**

complete 1 from CRPL 433, GEOG 419, NRES 312, NRES 412, NRES 418

**Psychology**

recommend 1 or more courses

Complete a 300/400 level course towards the Human Dimensions requirements.

**10 HR TERM 7**
Environmental Study Core

complete ENVR 499A

Sociology

recommend 1 or more courses

Complete a 300/400 level course towards the Human Dimensions requirements.

Electives

complete Any Course

8 HR TERM 8

Environmental Study Core

complete ENVR 499B

Electives

complete Any Course

Graduation Requirements

1. Performance Measure: 2.00 GPA required for graduation.
2. ***Total Credits Applying Toward 120 Total Hours***

Career Information

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

Jobs of Recent Graduates

- Environmental Scientist, Terracon Consultants, Inc. - Omaha NE
- Corps Member, Montana Conservation Corps - Bozeman MT
- Volunteer, Peace Corps - Washington DC DC
- Wildland Firefighter, United States Forest Service - Kalispell MT
- Greenhouse Assistant, Urban Trail Gardens - Lincoln NE
- Sustainability Associate, Cleaner Greener Lincoln - Lincoln NE
- Project Coordinator, Lincoln-Lancaster County Health Dept - Lincoln NE
- Assistant Brewer, Blue Mountain Brewery - Arrington VA
- National Drought Mitigation Center, University of Nebraska-Lincoln - Lincoln NE
- Wildlife Technician, Nebraska Invasive Species Project - Lincoln NE

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

Grad Schools

- Masters in Natural Resources, University of Nebraska-Lincoln - Lincoln NE
- Masters in Community and Regional Planning, University of Nebraska-Lincoln - Lincoln NE
- J.D. College of Law, University of Nebraska-Lincoln - Lincoln NE
- Master of Agronomy-Plant Pathology, University of Nebraska-Lincoln - Lincoln NE
- Environmental Science and Policy, Indiana University - Bloomington IN
- MS of Energy, Technology & Policy, Humboldt State University - Arcata CA
- M.S. in Environmental Policy, University of Michigan - Ann Arbor MI
- MA Geography, University of Nebraska-Lincoln - Lincoln NE
- Masters of Public Health, University of Nebraska Medical Center - Omaha NE
- Water Biogeochemistry, University of Nebraska-Lincoln - Lincoln NE