ENVIRONMENTAL STUDIES (CASNR)

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.

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 course (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, tools, 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 coursework 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 Nebraska, whichever takes longer, excluding foreign languages. Students have up to 60 credit hours to remove foreign language deficiencies. College-level coursework 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 ensures 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 bachelor’s 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. Some degree programs have a higher cumulative grade point average required for graduation. Please check the degree program on its graduation cumulative grade point average.
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 (withdrawn), 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. Some degree programs have a higher cumulative grade point average required for graduation. Please check the degree program on its graduation cumulative grade point average.

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 (60) is the maximum number of hours the University will accept on transfer from a two-year college. Ninety (90) is the maximum number of hours the University 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 the University of Nebraska–Lincoln 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 the University of Nebraska–Lincoln.

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 the University of Nebraska–Lincoln 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 coursework. 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 the University of Nebraska–Lincoln, 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 the University of Nebraska–Lincoln 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 provide transcripts and complete the Application for Degree form via MyRED. Students without MyRED access may apply for graduation in person at Husker Hub in the Canfield Administration Building, or by mail. Students should discuss these degree programs with their academic advisor.

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

UNL Degree-Granting Programs
A University of Nebraska–Lincoln 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 and a 3+1 program leading to a bachelor of science in Applied Science.

**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-horticulture, and pre-turfgrass and landscape management transfer programs.

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).

Nebraska 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 University of Nebraska–Lincoln Degree-Granting Programs**

CASNR cooperates with other institutions to provide coursework 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 the University 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 coursework at Chadron State College and one year of specialized range science coursework (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 University of Nebraska–Lincoln credits. At least 18 of the 30 credit hours must be in courses offered through CASNR including the appropriate ACE 10 degree requirement or an approved ACE 10 substitution offered through another Nebraska 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. University of Nebraska–Lincoln open enrollment and summer independent study courses count toward residence.

1. Includes courses taught by CASNR faculty through interdisciplinary prefixes (e.g., LIFE, MBIO, ENVR, 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 further 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 coursework 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 ace.unl.edu (https://ace.unl.edu).

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 the University of Nebraska–Lincoln 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 Nebraska 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**

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. 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.
4. Demonstrate the ability to critically assess environmental and sustainability issues from the local to global scale considering a range of perspectives.
5. Identify, explain, and evaluate problems/questions/issues using relevant data, resources and reasoning to form carefully considered conclusions.
6. 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.
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**

**College Core Requirements**

**College Integrative Course**

SCIL 101 Science and Decision-Making for a Complex World 3

**Communications**

Select one Written Communication (ACE 1) course of the following: 3

- ENGL 150 Writing and Inquiry
- ENGL 151 Writing and Argument
- ENGL 254 Writing and Communities
- JGEN 120 Basic Business Communication
- JGEN 200 Technical Communication I

Select one Oral Communication (ACE 2) course of the following: 3

- ALEC 102 Interpersonal Skills for Leadership
- COMM 109 Fundamentals of Human Communication
- COMM 209 Public Speaking
- COMM 286 Business and Professional Communication
- NRES 301 Environmental Communication Skills

Select one Communication and Interpersonal Skills elective of the following: 3

- Any ACE 1 course

**Specific Major Requirements**

**Environmental Studies Core**

- ENVR 101 Environmental Studies Orientation 1
- ENVR 201 Science, Systems, Environment and Sustainability 3
- ENVR 249 Individual and Cultural Perspectives on the Environment 3
- ENVR 319 Environmental Engagement and the Community 2
- ENVR 495 Internship in Environmental Studies 1
- ENVR 499A Environmental Studies Senior Thesis I 1
- ENVR 499B Environmental Studies Senior Thesis II 2

Credit Hours Subtotal: 18

**Earth and Environmental Systems**

**Ecology**

Select one of the following: 3-4

- BIOS 207 Ecology and Evolution
- NRES 220 Principles of Ecology
- & NRES 222 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
WATS 281 / GEOG 281 / NRES 281

**Introduction to Water Science**

**Water in Society**

**Geospatial Science**
Select one of the following: 3-4

- GEOG 419 / AGRO 419 / GEOL 419 / NRES 420
- NRES 312 / GEOG 312
- NRES 412 / GEOG 412
- NRES 418 / GEOG 418
- CRPL 433

**GIS in Environmental Design and Planning**

Credit Hours Subtotal: 23

**Human Dimensions Electives** 3
Select two courses from two different departments from the following: 6

- AECN 256
- AECN 346
- AECN 357 / NREE 357
- AECN 376
- AECN 456 / NREE 456
- AECN 457 / NREE 457 / WATS 457
- ALEC 202
- ALEC 388 / AECN 388
- ALEC 393
- ALEC 410 / NRES 413
- ANTH 110
- ANTH 130
- ANTH 170 / GEOG 170 / GPSP 170 / NRES 170 / SOCI 170
- ANTH 212 / ETHN 212
- ANTH 261 / POLS 261 / SOCI 261
- ANTH 351 / ETHN 351
- ANTH 454
- ANTH 473
- ANTH 476
- BLAW 300
- COMM 101
- COMM 210
- COMM 220
- COMM 271
- COMM 283
- COMM 311 / ETHN 311
- COMM 334 / POLS 334
- COMM 465
- COMM 371
- COMM 375
- CRPL 470
- CRPL 472
- CYAF 460
- ENSC 110
- ENSC 220
- ENSC 230
- ENSC 189H
- GEOG 140
- GEOG 181
- GEOG 272
- GEOG 283
- GEOG 334
- GEOG 361
- GEOG 406
- GEOG 447
- MNGT 300
- NRES 111
- NRES 301
- NRES 409 / GEOG 409
- NRES 423
- NRES 434 / ENVR 434
- NRES 475 / AGRO 475 / CIVE 475 / CRPL 475 / GEOL 475 / MSYM 475 / POLS 475 / SOCI 475 / SOIL 475 / WATS 475
- PHIL 225
- PHIL 225
- PHIL 225
- PHIL 225

**E栀d in Perspective**

**Energy in the Environment: Economics and Policy**

**University Honors Seminar**

**Introductory Human Geography**

**Quality of the Environment**

**Geography of World Regions**

**Space, the Environment and You**

**Historical Geography of the Great Plains**

**Urban Geography**

**Spatial and Environmental Influences in Social Systems**

**Political Geography**

**Management Essentials For Contemporary Organizations**

**Natural Resource Conservation in Society**

**Environmental Communication Skills**

**Human Dimensions of Natural Resources**

**Integrated Resources Management**

**Environmental Education and Interpretation**

**Water Quality Strategy**

**Environmental Ethics**
Select two courses from two different departments from the following:

- AECN 456 / NREE 456: Environmental Law
- AECN 457 / NREE 457 / WATS 457: Water Law
- AECN 345: Policy Issues in Agriculture and Natural Resources
- AECN 346: World Food Economics
- AECN 357 / NREE 357: Natural Resource and Environmental Law
- AECN 457 / NREE 457 / WATS 457: Water Law
- CRPL 470: Environmental Planning and Policy
- NRES 323: Natural Resources Policy

Credit Hours Subtotal: 6

### Ancillary Courses

#### Mathematics

- MATH 102: Trigonometry (or higher)

#### Statistics

- STAT 218: Introduction to Statistics (or equivalent)

#### Biological Sciences

Select one sequence from the following:

- BIOS 101 & BIOS 101L: General Biology and General Biology Laboratory
- CHEM 109 & CHEM 110: General Chemistry I and General Chemistry II
- CHEM 113 & CHEM 114: Fundamental Chemistry I and Fundamental Chemistry II
- LIFE 120 & LIFE 120L: Fundamentals of Biology I and Fundamentals of Biology I laboratory

Credit Hours Subtotal: 25

### Program Emphasis Areas

Select one of four options listed below this table 18-33

#### Core Courses (from list above) 18
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 coursework 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 seven courses and a minimum of 19 hours of coursework 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 coursework 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 prerequisite 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 I (Will generally substitute for STAT 218 or equivalent.)

Option 4. Pre-Law (Year 4) - Nebraska College of Law – 33 cr
An applicant will be accepted into the 3-3 Program (Accelerated Program) at the College of Law if the applicant:

1. Has an LSAT score of at least 156;
2. Has a cumulative undergraduate GPA of 3.6 or higher as calculated by the Law School Admission Council;
3. Will have successfully completed at least 75% of the course credits required for his or her undergraduate degree, along with all other requirements of his or her undergraduate degree program, by the date of matriculation at the College of Law. Course credits may include no more than 6 credit hours of Pass/No Pass coursework;
4. Has submitted on time the materials required of all applicants to the College of Law, including a completed application, satisfactory letters of recommendation, a personal statement, and records of the required course credits;
5. Has not been on academic probation at any undergraduate institution;
6. Has provided the College of Law with a letter from the relevant Dean, or other administrator of equivalent authority, of the applicant’s undergraduate institution stating that the applicant has completed all institutional requirements for participation in the 3-3 Law College Program and that the institution will grant the applicant an undergraduate degree upon the applicant’s successful completion of the first year College of Law coursework.

If the above requirements are satisfied, the applicant will automatically be accepted into the 3-3 Law Program unless there is information concerning the applicant that reflects adversely on the applicant’s character and fitness, including criminal citations, pending criminal charges, or criminal convictions. In such cases, the application will be individually reviewed by the College of Law Admissions Committee.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</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 or LAW 508C Criminal Law</td>
</tr>
</tbody>
</table>
Option 5. Customized Environmental Studies – 51-55 cr

Option Requirements
1. 120 credit hour minimum requirement (30 hours must be at the 300 level or above).
2. Must complete 65-69 hours of core requirements in the environmental studies major (see table below), which includes the general education requirements (ACE) and CASNR college core.
3. Achieve a grade of C or better in all courses.

Process for Student
1. Explore and articulate your interests, strengths, and abilities. Establish career goals. Research the types of career opportunities and employers of interest.
2. Consult with program director, faculty member and/or professional advisor to determine if an existing degree program satisfies your personal and professional interests.
3. Think about the academic skills and background needed for your career choice. Consider future education plans, including graduate school and professional programs.
4. Identify a faculty member from the ESCC to help you design your program of study. The advisory committee will be comprised of the ENVR Director, ESCC member, and academic advisor with the ESCC program of study. The advisory committee will be comprised of the ESCC. Additional committee members can be included.
5. Develop a proposal that includes the degree program focus, what you hope to accomplish by completing this program, how your individualized program of study connects different disciplines, and the relationship between your career goals and your program of study. Also include a list of all courses taken as part of your degree along with a semester-by-semester plan of study. The selection of courses must be consistent with your personal, academic and professional interests and goals.
6. Schedule a meeting with your advisory committee to present your proposal. Once the faculty advisory committee approves the core concentration areas and program of study, the Advisory Committee Approval (ACA) form should be completed. The ACA form is available through the CASNR Dean’s Office.
7. Submit the proposal and accompanying ACA form to the Environmental Studies Coordinating Committee. The committee must approve the degree program before the student completes 60 of the 120 applicable hours of the degree.
8. Students pursuing this degree option are required to have a meeting with their faculty advisor at the start of each semester (must be completed by the first week of the semester). The purpose of this meeting is to review the program of study and progress towards degree completion, along with discussing the student’s professional development and career plans.

Any changes to the approved program of study must be recommended by the advisory committee and approved by the ESCC.

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.

<table>
<thead>
<tr>
<th>Required Environmental Studies Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 101 Environmental Studies Orientation</td>
<td>1</td>
</tr>
<tr>
<td>ENVR 201 Science, Systems, Environment and Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 249 Individual and Cultural Perspectives on the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 319 Environmental Engagement and the Community</td>
<td>2</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 9

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
Credit Hours Subtotal: 3

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

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

**Foundations of Environmental Education**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 301</td>
<td>Environmental Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>NRES 434 /</td>
<td>Environmental Education and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 434</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 6

**Systems Approach to Earth and Ecological Processes**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 201</td>
<td>Science, Systems, Environment and Sustainability</td>
</tr>
<tr>
<td>NRES 220</td>
<td>Principles of Ecology</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 3

**Learning Characteristics and Outdoor Leadership Experiences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPS 250</td>
<td>Fundamentals of Child Development for Education</td>
<td>3</td>
</tr>
<tr>
<td>or EDPS 251</td>
<td>Fundamentals of Adolescent Development for Education</td>
<td></td>
</tr>
</tbody>
</table>

Select three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODED 100A</td>
<td>Canoeing</td>
</tr>
<tr>
<td>ODED 100N</td>
<td>Challenge Course: Instructor</td>
</tr>
<tr>
<td>ODED 107B</td>
<td>Back-country Camping</td>
</tr>
<tr>
<td>ODED 109B</td>
<td>Wilderness First Aid</td>
</tr>
<tr>
<td>ODED 110B</td>
<td>Wilderness: First Responder</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 6

**Implementation of Outdoor Educational Experiences**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIL 300</td>
<td>Experiential Learning in Food, Energy and Water Systems I</td>
</tr>
<tr>
<td>ENVR 495</td>
<td>Internship in Environmental Studies</td>
</tr>
<tr>
<td>ENVR 496</td>
<td>Independent Study</td>
</tr>
<tr>
<td>ENVR 499A &amp; 499B</td>
<td>Environmental Studies Senior Thesis I &amp; II</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 3

Total Credit Hours: 18

**Sustainability Studies Minor**

The sustainability studies 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 skill sets to employ a systems approach to managing the growth of our habitats, and at the same time 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.

**Learning Outcomes:** The University of Nebraska–Lincoln undergraduate minor, sustainability studies, introduces students to the concepts, principles, and issues that inform the paradigm of sustainability and the efficient and sustainable use of environmental, financial, and human resources. The curriculum integrates classroom learning and community-based learning and research in a program that prepares students for future endeavors.

Upon completion of the requirements for the Society and the Environment, students will be able to:

- Explain the relationship among social, economic, and environmental systems for the development of solutions for global environmental and natural resource issues.
- Employ concepts of sustainability to the campus and community by engaging in the challenges and solutions of applied sustainability.
- Utilize problem-solving skills to address real world opportunities to help create healthier ecosystems and communities.
- Demonstrate the ability to effectively communicate to a range of audiences through the preparation of written documents along with oral and visual presentations that are consistent with professional standards.

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 prerequisites may be required for some courses. These need to be addressed during advising process.

**Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 107</td>
<td>Sustainability Basics and the Build Environment (ACE 8)</td>
</tr>
<tr>
<td>ENVR 201</td>
<td>Science, Systems, Environment and Sustainability (ACE 8)</td>
</tr>
<tr>
<td>ENVR 319</td>
<td>Environmental Engagement and the Community</td>
</tr>
<tr>
<td>ENVR 495</td>
<td>Internship in Environmental Studies</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 9

** Elective Courses**

Select one track of the following:

9

**Track 1: Built Environment**

Select 9 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LARC 200 / HORT 200 / GEOG 200</td>
<td>Landscape and Environmental Appreciation (ACE 7 &amp; 9)</td>
</tr>
<tr>
<td>CIVE 326 / BSEN 326</td>
<td>Introduction to Environmental Engineering</td>
</tr>
<tr>
<td>ARCH 333</td>
<td>Building Environmental Technical Systems I</td>
</tr>
<tr>
<td>CONE 450</td>
<td>Sustainable Construction</td>
</tr>
<tr>
<td>CYAF 460</td>
<td>Human Dimensions of Sustainability (ACE 8)</td>
</tr>
<tr>
<td>NRES 409 / GEOG 409</td>
<td>Human Dimensions of Natural Resources</td>
</tr>
</tbody>
</table>

**Track 2: Community Development**

Select 9 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 376</td>
<td>Rural Community Economics</td>
</tr>
<tr>
<td>CRPL 400</td>
<td>Introduction to Planning (ACE 8)</td>
</tr>
<tr>
<td>CRPL 433</td>
<td>GIS in Environmental Design and Planning</td>
</tr>
<tr>
<td>CRPL 470</td>
<td>Environmental Planning and Policy</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>CRPL 471</td>
<td>Environmental Impact Assessment</td>
</tr>
<tr>
<td>CRPL 472</td>
<td>Hazard Mitigation Planning</td>
</tr>
<tr>
<td>CYAF 460</td>
<td>Human Dimensions of Sustainability (ACE 8)</td>
</tr>
<tr>
<td>LARC 200 / HORT 200 / GEOG 200</td>
<td>Landscape and Environmental Appreciation</td>
</tr>
<tr>
<td>NRES 409 / GEOG 409</td>
<td>Human Dimensions of Natural Resources</td>
</tr>
<tr>
<td>SOCI 346</td>
<td>Environmental Sociology</td>
</tr>
</tbody>
</table>

**Track 3: Food, Environment, and the Landscape**

Select 9 credits of the following:

- AGRO 435 Agroecology (ACE 10)
- HORT 326 / AGRO 326 / TLMT 326 Landscape Solutions
- Any 400-level HORT course
- AECN 346 World Food Economics (ACE 9)

**Grade Rules**

**C- and D Grades**

A grade of C or above is required for all courses in the minor.

**Pass/No Pass**

No course taken Pass/No Pass will be counted toward the 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

**Grading Option:** Graded with Option

**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

**Grading Option:** Graded with Option

**Offered:** FALL

**Prerequisite for:** SCIL 300

**ACE:** ACE 8 Civic/Ethics/Stewardship

**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

**Grading Option:** Graded

**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

**Grading Option:** Graded with Option

**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

**Grading Option:** Graded with Option

**ACE:** ACE 8 Civic/Ethics/Stewardship

**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

**Grading Option:** Graded with Option

**ACE:** ACE 9 Global/Diversity

**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

**Grading Option:** Graded with Option

**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
Grading Option: Graded with Option
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
Grading Option: Graded with Option

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
Grading Option: Graded with Option
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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

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
Grading Option: Graded
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
Grading Option: Graded with Option
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
Grading Option: Graded with Option
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
Environmental Studies - Natural Resources
Emphasis Option 2
Environmental Studies - Public Health
Emphasis Area Option 3

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 Analyst, 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, 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
- 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