ENVIRONMENTAL SCIENCE

Description
An important facet of environmental science is restoration activities that initiate or accelerate the recovery of an ecosystem that has been degraded, damaged, or contaminated by human activity or natural agents. Restoration begins with a thorough understanding of the soil-water environment. Students interested in environmental science must declare an option and can choose between:

- Soil Science Option
- Lake and Stream Restoration Option

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 sciences, and 2 units of world language. Students must also meet performance requirements: a 3.0 cumulative high school grade point average OR an ACT composite of 20 or higher, writing portion not required OR a score of 1040 or higher on the SAT Critical Reading and Math sections 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.

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 the University of Nebraska–Lincoln, or within the first calendar year at Nebraska, whichever takes longer, excluding foreign languages. Students have up to 60 credit hours to remove world 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 the 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.

World Languages/Language Requirement
Two units of a world language are required. This requirement is usually met with two years of high school language.

Experiential Learning
All undergraduates in the College of Agricultural Sciences and Natural Resources must take an Experiential Learning (EL) designated course. This may include 0-credit courses designed to document co-curricular activities recognized as Experiential Learning.

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. 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 (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 the 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
- Nebraska Indian Community College
- 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 are 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.** Transfer programs are available for students pursuing degree programs leading to a bachelor of science degree.

**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 CASNR1 (>299) 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 the University of Nebraska–Lincoln and participate in prior-approved education abroad programs.
The 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 the 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. Students transferring from a community college, but without admission to a Joint Academic Transfer Program, may be eligible to fulfill the requirements as stated in the catalog for an academic year in which they were enrolled at the community college prior to attending the University of Nebraska-Lincoln. This decision should be made in consultation with academic advisors, provided the student a) was enrolled in a community college during the catalog year they are utilizing, b) maintained continuous enrollment at the previous institution for 1 academic year or more, and c) continued enrollment at the University of Nebraska-Lincoln within 1 calendar year from their last term at the previous institution. 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 the University of Nebraska–Lincoln 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 science will be able to:

1. Describe in detail the chemical and biological processes that act on a chemical once it is released into the soil-water environment.
2. Identify the contributing factors that can lead to ground or surface water contamination and offer corrective actions to mitigate the situation.
3. Use science-based principles to measure, describe, manage, and improve soil-water environments.
4. Competitively pursue employment as an environmental scientist or soil scientist with government agencies or private-sector firms.

Major Requirements
College Core Requirements
College Integrative Course and ACE 8
SCIL 101 Science and Decision-Making for a Complex World 3
Credit Hours Subtotal: 3

Natural Resources Core
ENSC 220 Introduction to Energy Systems 3
NRES 218 Introduction to Geospatial Technologies 3
NRES 220 Principles of Ecology 3
SOIL 153 / PLAS 153 Soil Resources 4
Credit Hours Subtotal: 13

Natural Sciences (ACE 4)
Select one CASNR approved Life Sciences sequence from the following:

BIOS 101 & BIOS 101L General Biology and General Biology Laboratory
LIFE 120 & LIFE 120L Fundamentals of Biology I and Fundamentals of Biology I laboratory
PLAS 131 & PLAS 133 Plant Science and Horticultural Plant Science Laboratory
or PLAS 131 Plant Science and Plant Sciences Laboratory
& PLAS 134

Complete both of the following chemistry sequences:
CHEM 109A & CHEM 109L  General Chemistry I and General Chemistry I Laboratory 4
CHEM 110A & CHEM 110L  General Chemistry II and General Chemistry II Laboratory 4
Select one of the following: 4-5
AGST 109  Physical Principles in Agriculture and Life Sciences (ACE 4)
PHYS 141  Elementary General Physics I
PHYS 151  Elements of Physics
PHYS 211  General Physics I
Credit Hours Subtotal:  16-17
Mathematics and Statistics
STAT 218  Introduction to Statistics (ACE 3) 3
Select one of the following: 3-5
MATH 102  Trigonometry
MATH 103  College Algebra and Trigonometry
MATH 104  Applied Calculus
MATH 106  Calculus I
Credit Hours Subtotal:  6-8
Communications
Select one Written Communication (ACE 1) course from the following: 3
ENGL 150  Writing and Inquiry
ENGL 151  Writing and Argument
ENGL 254  Writing and Communities
JGEN 200  Technical Communication I
JGEN 300  Technical Communication II
Select one Oral Communication (ACE 2) course from the following: 3
ALEC 102  Interpersonal Skills for Leadership
COMM 101  Communication in the 21st Century
COMM 209  Public Speaking
COMM 210  Communicating in Small Groups
COMM 215  Visual Communication
COMM 286  Business and Professional Communication
MRKT 257  Sales Communication
NRES 301  Environmental Communication Skills
TMFD 121  Visual Communication with Animation
Select one Communication and Interpersonal Skills elective from the following: 3
ALEC 136  Fundamentals of Agricultural and Environmental Sciences Communication
ALEC 207 / ADPR 207  Communicating Science with Public Audiences
ALEC 305  Presentation Strategies to Communicate Agricultural and Environmental Sciences
ALEC 350  Agriculture, the Environment & Science in the Media
JOMC 101  Principles of Mass Media
MLSC 102  Basic Leadership
& MLSC 202  and Leadership and Teamwork
MLSC 301  Leadership and Problem Solving
Credit Hours Subtotal:  9
Economics, Humanities and Social Sciences (ACE 6)
Select one of the following: 3
AECN 141  Introduction to the Economics of Agriculture
ECON 200  Economic Essentials and Issues
ECON 211  Principles of Macroeconomics
ECON 212  Principles of Microeconomics
Select one course each from ACE outcomes 5, 7, and 9 9
Credit Hours Subtotal: 12
Total Credit Hours 59-62

1  If MATH 103 is taken, only 2 hours can be counted toward this requirement.

Specific Major Requirements
Requirements
NREE 357 / AECN 357  Natural Resource and Environmental Law 3
NRES 279 / PLAS 279 / SOIL 279  Soil Evaluation 2
NRES 300 / BIOS 300 / ENTO 300  Toxins in the Environment 3
NRES 319  Fundamentals of Environmental Sampling 2
NRES 320  Fundamentals of Environmental Sampling Laboratory 1
NRES 453  Hydrology 3
NRES 459 / BIOS 459 / WATS 459  Limnology 4
WATS 281 / GEOG 281 / NRES 281  Introduction to Water Science 3
WATS 354 / AGST 354 / SOIL 354  Soil Conservation and Watershed Management 3
WATS 361 / GEOL 361 / NRES 361 / PLAS 361 / SOIL 361  Soils, Environment and Water Quality 3
Select one of the following: 3-4
GEOL 100  Introduction to Geology
GEOL 101  Dynamic Earth
GEOL 106  Environmental Geology
GEOL 109  Oceanography
GEOL 120  Geology of National Parks and Monuments
GEOS 155  Elements of Physical Geography
Credit Hours Subtotal: 30-31
Option Electives and Requirements
Complete requirements 18-23
Credit Hours Subtotal: 18-23
Free Electives
Select 1-9 hours 1-9
Soil Science Option
This option provides students with an understanding of soil as a natural resource and component of all terrestrial ecosystems. The student will learn how soils influence ecological processes which take place above and below ground. Understanding these processes will enable the student to deal with environmental management problems such as groundwater protection, natural resource management, urban and rural development issues, waste management, and pollution abatement. Careers focus on environmental assessment, soil conservation, and remediation of soil contamination. Students interested in preparing for graduate work in soils can aim toward various special areas including soil microbiology, chemistry, physics, mineralogy, and morphology.

Soil Science Option Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NRES 451</td>
<td>Soils, Water, and Environmental Chemistry</td>
<td>4 (ACE 10)</td>
</tr>
<tr>
<td>NRES 477 / GEOG 467 / PLAS 477 / SOIL 477</td>
<td>Great Plains Field Pedology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BSEN 355</td>
<td>Introduction to Ecological Engineering</td>
</tr>
<tr>
<td>CIVE 321 / BSEN 321</td>
<td>Principles of Environmental Engineering</td>
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Select one of the following:

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<tr>
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<th>Title</th>
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<tr>
<td>NRES 455 / PLAS 455 / SOIL 455</td>
<td>Soil Chemistry and Mineralogy</td>
</tr>
<tr>
<td>SOIL 460 / BIOS 460 / NRES 460 / PLAS 460</td>
<td>Soil Microbial Ecology</td>
</tr>
<tr>
<td>SOIL 461 / NRES 461 / PLAS 461 / WATS 461</td>
<td>Soil Physics</td>
</tr>
<tr>
<td>SOIL 269 / PLAS 269</td>
<td>Principles of Soil Management</td>
</tr>
<tr>
<td>SOIL 453 / PLAS 453 / LARC 453</td>
<td>Urban Soil Properties and Management</td>
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</table>

Credit Hours Subtotal: 14

Other Soil Science Option Electives
Select 5-9 hours from the following:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BSEN 455 / CIVE 455</td>
<td>Nonpoint Source Pollution Control Engineering</td>
</tr>
<tr>
<td>CHEM 251 &amp; CHEM 253</td>
<td>Organic Chemistry I and Organic Chemistry I Laboratory</td>
</tr>
<tr>
<td>CIVE 321L / BSEN 321L</td>
<td>Environmental Engineering Laboratory</td>
</tr>
<tr>
<td>CIVE 422 / BSEN 422</td>
<td>Pollution Prevention: Principles and Practices</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 5-9

Total Credit Hours 19-23

Engineering courses are recommended, however, because of prerequisites, students wishing to enroll in these courses should first seek counsel from their advisor and then request permission from instructor.

Lake and Stream Restoration Option
This option is designed for students considering careers in water quality, aquatic ecology, or limnology. The student will learn the important biotic, physical, and chemical processes that occur within lakes and streams and be prepared to environmentally manage problems related to water quality. Students will also be prepared to implement pollution abatement procedures or management practices associated with lake and stream restoration. Careers focus on environmental assessment, water conservation, and remediation of lakes and streams. Completion of this program also provides excellent preparation for graduate study.
Lake & Stream Restoration Option Requirements
Select one sequence from the following: 4
PLAS 131 Plant Science
and Agronomic Plant Science Laboratory
or PLAS 131 Plant Science
and Plant Sciences Laboratory
& PLAS 134
PLAS 278 Botany
LIFE 121 Fundamentals of Biology II
& LIFE 121L and Fundamentals of Biology II Laboratory
Select one from the following: 3-4
NRES 468 / BIOS 458 / WATS 468 / BSEN 468
BSEN 355 Introduction to Ecological Engineering
NRES 481 / BIOS 481 / WATS 481
ACE 10
NRES 451 Soils, Water, and Environmental Chemistry
or WATS 475 Water Quality Strategy
NRES 475 / CIVE 475 / CRPL 475 / GEOL 475 /
AGST 475 / PLAS 475 / POLS 475 / SOIL 475
Credit Hours Subtotal: 14-16
Other Lake & Stream Restoration Option Electives
Select 4-10 hours from the following: 4-10
Biological Sciences Courses
BIOS 381 Invertebrate Zoology
BIOS 454 / Ecological Interactions
NRES 454
BIOS 457 / Ecosystem Ecology
GEOL 457
Biological Systems Engineering Courses
BSEN 422 / Pollution Prevention: Principles and Practices 1
CIVE 422 Nonpoint Source Pollution Control Engineering 1
BSEN 455 / CIVE 455
Entomology Courses
ENTO 402 / Aquatic Insects
BIOS 485 / and Identification of Aquatic Insects
NRES 402
& ENTO 402L /
BIOS 485L / NRES 402L
Chemistry Courses
CHEM 251 Organic Chemistry I
& CHEM 253 and Organic Chemistry I Laboratory
Natural Resources Courses
GEOG 217 Principles of GIS
NRES 211 Introduction to Conservation Biology
NRES 218 Introduction to Geospatial Technologies
NRES 388 / Employment Seminar
AGRI 388
NRES 418 / GEOG 418 Introduction to Remote Sensing
NRES 419 / GEOG 419 / GEOL 418 / WATS 418 Chemistry of Natural Waters
NRES 420 / GEOG 420 Applications of Remote Sensing in Agriculture and Natural Resources
NRES 421 / GEOG 421 Field Techniques in Remote Sensing
NRES 427 / GEOG 427 Introduction to the Global Positioning System (GPS)
NRES 431 Waterfowl Ecology and Management
NRES 463 Fisheries Science
NRES 468 / BIOS 458 / WATS 468 / BSEN 468
NRES 475 / AGST 475 / CIVE 475 / CRPL 475 / GEOL 475 /
PLAS 475 / POLS 475 / SOIL 475 / WATS 475
NRES 484 / GEOG 484 / GEOL 484 / PLAS 484 / WATS 484 Water Resources Seminar
NRES 489 / BIOS 489 Ichthyology
NRES 497 Career Experiences in Natural Resource Sciences
Plant Pathology Courses
PLPT 270 / Biological Invaders
NRES 270 / PLAS 270
Credit Hours Subtotal: 4-10
Total Credit Hours 18-26

1 Because of prerequisites, students wishing to enroll in these courses should first seek counsel from their advisor and then request permission from instructor.
Requirements for Minor Offered by Department

Environmental Science Minor

Category 1 – Required Courses
NRES 281 / GEOG 281 / WATS 281
SOIL 153 / PLAS 153
SOIL 361 / GEOL 361 / NRES 361 / PLAS 361 / WATS 361
SOIL 477 / GEOG 467 / NRES 477 / PLAS 477
or NRES 468 / BIOS 458 / WATS 468 / BSEN 468
NRES 481

Credit Hours Subtotal: 18

Category 2 – Advanced Courses
Select 6 hours from the following:
NRES 319
NRES 320
NRES 451
NRES 477 / GEOG 467 / PLAS 477 / SOIL 477

SOIL 354 / AGST 354 / WATS 354
SOIL 453 / PLAS 453 / LARC 453
SOIL 455 / NRES 455 / PLAS 455
SOIL 460 / BIOS 460 / NRES 460 / PLAS 460
SOIL 461 / NRES 461 / PLAS 461 / WATS 461

Credit Hours Subtotal: 18

Category 3 – Related Courses
Select one of the following:

BSEN 355
CIVE 321
GEOG 217
NRES 218
NRES 453
NRES 459
NRES 468

WATS 475 / AGST 475 / CIVE 475 / CRPL 475 / GEOL 475 / NRES 475 / PLAS 475 / POLS 475 / SOIL 475

Credit Hours Subtotal: 6

Total Credit Hours Subtotal: 3-4

Total Credit Hours 27-28

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 Science - Lake & Stream Restoration

Environmental Science - Soil Science

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
- Technical Sales, LI-COR Biosciences - Lincoln, NE
- Soil Scientist, USDA-NRCS - Powell, WY
- Integrated Water Management Planner, Nebraska Department of Natural Resources - Lincoln, NE
- Soil Conservationist, Natural Resource Conservation Service - Central City, NE
- Ecologist, Forest Preserve District - Springfield, IL
- Young for Preventative Maintenance Associate, University of Nebraska-Lincoln - Lincoln, NE