



Natural Resources

Imagine working to understand, protect and preserve our Earth's natural resources.

Whether you are interested in sustainability, want to contribute to the development of the green economy, or want to work as a natural resources manager, this area of study can help you achieve your career goals.

Make an appointment with our advisor to learn more about the major at the University of Nebraska-Lincoln.



ENVIRONMENTAL STUDIES PROGRAM

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<http://esp.unl.edu>

College of Agricultural Sciences and Natural Resources

(<http://casnr.unl.edu>)

School of Natural Resources

Career Path

Natural Resources Management, Environmental Scientist, Land Use Planning, Waste Management, Environmental Education, Forest and Land Management, Wildlife Biology, Environmental Law, Environmental Communication and Environmental Quality

Special Emphasis Courses

Ecology, Water Science, Natural Resource Policy, Soil Science, Environmental Sociology, Applied Climate Science, Earth Systems, Natural Resource Economics, Geospatial Technology and Meteorology

Internships Available

Nebraska Game and Parks, Natural Resources Conservation Service, Environmental Protection Agency, Lincoln-Lancaster County Health Department, Nebraska Legislature, Student Conservation Association and Nebraska Department of Environmental Quality

An Undergraduate Degree Program

Environmental Studies



Get involved. Get connected. Pursue your passion.

University of Nebraska-Lincoln

The University of Nebraska-Lincoln is an equal opportunity educator and employer with a comprehensive plan for diversity.

**Environmental Studies Major Requirements – Natural Resources Option
2012-2013 Required Courses
UNL College of Agricultural Sciences and Natural Resources**

COLLEGE INTEGRATIVE COURSES 3 Hours

REQUIREMENT	Hrs
NRES 103/AGRI 103 Intro to Agricultural & Natural Resource Systems	3

STATISTICS 3 Hours

STAT 218 Intro to Statistics or equivalent	3
NOTE: Students cannot receive UNL credit for both MATH 203 and STAT 218. Students who transfer STAT 218 credit to UNL will not receive UNL credit for MATH 203.	

COMMUNICATIONS COURSES 9 Hours

ACE 1 : Written: Select from: ENGL 150, 151, 254; JGEN 120, 200	3
ACE 2: Oral: COMM 109, 209, or 286, ALEC 102	3
Communication/Interpersonal Skills Elective Select from: ALEC 102, ENGL 101, 150, 151, 252, 253, 254; JGEN 120, 200, 300; COMM 109, 209, 212, 286	3

HUMANITIES AND SOCIAL SCIENCE COURSES 6 Hours

Students choose one course in each ACE area 5 and 7.	6
See the Human Dimensions requirement for additional Humanities and Social Science related courses.	

ECONOMICS AND POLICY 9 Hours

NRES 323 Natural Resources Policy	3
ACE 6: ECON 211 or 212 or AECN 141	3
NREE 265 Resource & Environmental Economics I	3

GEOSPATIAL SCIENCE 3-4 Hours

Select one from the following: NRES 312 Introduction to Geospatial Information Sciences (3 cr) NRES 412 Introduction to Geographic Information Systems (4 cr) NRES 418 Introduction to Remote Sensing (4 cr)	3-4
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EARTH SYSTEMS 13-15 Hours

Climate - Select one from: NRES 104 Climate in Crisis (3 cr) METR 200 Weather and Climate (4 cr) NRES 208 Applied Climate Science (3 cr)	3-4
Earth & Energy Resources - Select one from: NRES 108 Earth's Natural Resource Systems Laboratory (3 cr) ENSC 110 Energy in Perspective (3 cr) GEOL 101 Physical Geology (4 cr) GEOL 106 Environmental Geology (3 cr) GEOG 155 Elements of Physical Geography (3 cr)	3-4
Soil - SOIL 153 Soil Resources (4 cr)	4
Water Resources - Select one from: ENVR 189H Humans and Water and Environment (3 cr) WATS 281 Intro to Water Science (3 cr) ENVR 361 Soils, Environment and Water Quality (3 cr)	3

ENVIRONMENTAL STUDIES CORE 13 Hours

ENVR 101 Environmental Studies Orientation	1
ENVR 201 Science, Systems, Environment and Sustainability (ACE 8)	3
ENVR 249 Individual and Cultural Perspectives on the Environment (ACE 9)	3
ENVR 319 Environmental Engagement and the Community	2
ENVR 497 Internship in Environmental Studies	1
ENVR 499a Environmental Studies Senior Thesis I	1
ENVR 499b Environmental Studies Senior Thesis II	2

NOTE: ENVR 499a and 499b are the capstone courses (ACE 10) for Environmental Studies majors. ENVR 499H (3 cr) is the capstone course for UNL Honors students.

HUMAN DIMENSIONS 12 Hours

SOCI 446 Environmental Sociology	3
ANTH 473 Ecological Anthropology	3
Students work with advisor to select courses in the areas of Human Behavior & Law and Management, Leadership & Politics. See course list in the UNL bulletin.	6

MATHEMATICS 3-5 Hours

ACE 3: Select from MATH 102, 103, 104 or 106	3-5
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NATURAL SCIENCES 20-22 Hours

ACE 4: Select one from the following: BIOS 103 Organismic Biology (4 cr) BIOS 101 & 101L General Biology & Lab (4 cr) AGRO 131 & 132 Plant Science and Lab (4 cr)	4
NRES 220 & NRES 222 Principles of Ecology & Lab	4
Select from: CHEM 105 & 106 Chemistry in Context I & II (8 cr) CHEM 109 & 110 General Chemistry I & II (8 cr) CHEM 113 & 114 Fundamental Chemistry I & II & Lab & CHEM 116 Quantitative Chem. Lab (9 cr)	8-9
Select from: PHYS 141 Elementary General Physics I (5 cr) PHYS 151 Elements of Physics (4 cr) PHYS 211/221 General Physics I (5 cr) MYSM 109 Physical Principles in Ag (4 cr)	4-5

Major and Emphasis Area Requirements: 94 -101 Hours

Emphasis Area Courses and Electives: 19-26 Hours

Credits Required to Graduate: 120

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 advising team to develop and submit their individual plan of study for approval. Their plan must include at least 6 courses and a minimum of 18 hours of course work from the general areas of study listed below. Four of the courses need to be at the 300 level or above.

- Area 1. Conservation and Sustainability
- Area 2. Earth, Water & Energy Resources
- Area 3. Biodiversity & Ecology
- Area 4. Environmental Management