



# Graduate Programs in Natural Resource Sciences

## PROGRAM DESCRIPTION

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The School of Natural Resources (SNR) offers graduate programs leading to a Master of Science or Doctor of Philosophy degree in natural resource sciences with emphasis in the areas of bio-atmospheric, biological, earth and water resources, and remote sensing and geographic information systems (GIS). The broad diversity of climate, habitat, hydrology, soils and surface and subsurface geology across Nebraska provides a multitude of opportunities for field studies in each of the resource areas. Faculty are also conducting research in other states and countries.

## PROGRAM SPECIALIZATIONS

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### Master of Science:

Adaptive Management  
Agroforestry  
Aquatic Ecology  
Bio-Atmospheric Interactions  
Climate Assessment and Impacts  
Environmental Studies  
Geographic Information Systems  
Great Plains Studies  
Human Dimensions  
Hydrologic Sciences  
Remote Sensing  
Soil Science  
Wildlife Ecology

### Doctor of Philosophy:

Adaptive Management  
Applied Ecology  
Bio-Atmospheric Interactions  
Climate Assessment and Impacts  
Environmental Studies  
Human Dimensions  
Hydrologic Sciences  
Soil Science

Students can also pursue an M.S. Minor in Water Resources Planning and Management and Natural Resource Sciences

## EXAMPLE COURSE AREAS

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Courses are offered within the various areas of emphasis within SNR: Atmospheric Resource Sciences; Earth and Soil Resource Sciences; Biological Resource Sciences; Hydrologic (Water) Resource Sciences; and Remote Sensing and GIS.

## RESOURCES/FACILITIES

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Excellent laboratory and computer facilities are available for performing up-to-date analyses pertaining to all the resource areas as well as water chemistry, GIS, computer modeling, and remote sensing and image analysis. Unique opportunities for cooperative research are available through many state, federal, and private natural resource organizations.

**University of Nebraska—Lincoln**

## ADMISSION REQUIREMENTS

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Each applicant shall meet the following minimum entrance requirements to be eligible for admission with full graduate standing:

- For the M.S. Program: a Bachelors degree in Natural Resources or related field. For the Ph.D. Program: a Masters degree in Natural Resources or related field. An outstanding applicant (i.e. demonstrated excellence and an obvious potential for success) with only a Bachelors degree, a non-thesis masters, or a degree in unrelated field will be considered.
- Experience, knowledge, and coursework relevant to the intended field of study, which could include: physical and biological sciences; humans as components of natural resource systems; and natural/human resource information gathering and synthesis.
- A prospective advisor in the School of Natural Resources who has been consulted with and shares the same research/academic interests.
- GRE with minimum scores of 500 for Verbal, 620 for Quantitative, and 4.0 for Analytical Writing
- Minimum GPA of 3.0 (on a 4 point system)
- TOEFL score of 550 paper-based, 213 computer-based, or 79 web-based (applies only to international applicants for whom English is not the first language)
- Three letters of recommendation
- Statement of purpose

## APPLYING TO THE PROGRAM

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To apply, please visit our website and click on the "Apply Now" link on the graduate student page. Applications to the graduate program are accepted at anytime. To be eligible for SNR research and teaching assistantships, applications must be submitted by January 31. Other assistantships may be available through faculty members, contact faculty for deadlines.

## CONTACT INFORMATION

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Two of the strengths of the programs within the School of Natural Resources are that our students are taught to approach natural resource sciences from an interdisciplinary perspective, and that their instruction takes place in both the classroom and field situations.