



Environmental Restoration Science

Imagine exploring how our environment is affected by population changes, pollutants, rainfall or natural disasters! Plus, create solutions when these factors have damaging effects.

Make an appointment with one of our faculty advisers to learn more.

ENVIRONMENTAL RESTORATION SCIENCE DEGREE PROGRAM

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School of Natural Resources



Career Path

Environmental Scientist, Geologist, Hydrogeologist, Environmental Chemist, Wetlands Scientist, Private Industry Consultant

Special Emphasis Courses

Water Science, Hydrology, Limnology, Soil Science, Toxins in the Environment, Remediating Contaminants in Soil and Water

Internships Available

Environmental Engineering Firms, U.S. Bureau of Land Management, U. S. Geological Survey, U. S. Department of Agriculture Natural Resources Conservation Service, U.S. Environmental Protection Agency, U.S. Forest Service, Soil and Water Conservation Districts



University of Nebraska–Lincoln

Environmental Restoration Science

Environmental restoration initiates or accelerates the recovery of an ecosystem that has been degraded, damaged or contaminated from human activity or natural agents. Students interested in this major will receive a variety of classroom and field experiences to help them develop the skills needed to become environmental scientists. Environmental restoration begins with a thorough understanding of the soil-water environment, environmental regulations, toxicology, environmental sampling, and restoration techniques. Students interested in Environmental Restoration Science must declare an option and can choose between either the Soil Science Option or Lake and Stream Restoration Option.

Soil Science Option

This option provides students an understanding of soil as a natural resource and as a component of all terrestrial ecosystems. The student will learn how soils influence ecological processes which take place above and below ground. An understanding of 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 a variety of special areas including soil microbiology, fertility, chemistry, physics, mineralogy, and morphology.

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, remediation of lakes and streams. Completion of this program also provides excellent preparation for graduate study.