



ENVIRONMENTAL SCIENCE

which way will you **TRAVEL?**

what is environmental science?

Environmental Science is the interdisciplinary study of the biological, chemical and physical factors, coupled with human activities that affect our environment. The objective of Environmental Science is to improve the current and future welfare of humans through the application of science and the development of sound environmental policies.

program of study

Environmental Science is an interdisciplinary and science-oriented major that includes basic courses in biology, chemistry, math, physics, statistics and social sciences. Based on your career interests and goals, you will choose one of three option areas to focus your coursework: water resources, natural resources or environmental policy. Depending on the option, your courses will involve problem-solving studies in water and soil quality, economics, environmental policy, political science, resource management and engineering. In addition, you will gain important skills in the general education areas of communication, philosophy, ethics and sociology.

A primary goal of the Environmental Science major is to enable graduates to identify and assess environmental problems, develop alternatives and understand the implications. The successful completion of this major will earn you a Bachelor of Science in Agricultural Sciences and Natural Resources with a major in Environmental Science.

faculty and facilities

The Environmental Science undergraduate major is directly supported by faculty from Agricultural Economics, Animal Science, Biosystems and Agricultural Engineering, Entomology and Plant Pathology, Forestry, and Plant and Soil Sciences. If you choose this degree program, you will benefit from working with faculty in and out of the classroom and laboratories that are

conducting research involving environmental problems. The extensive facilities unique to a comprehensive research and doctoral degree granting university add to the strength of this major.

student organizations

The college sponsors the Environmental Science Club that is open to any student interested in environmental sciences, natural resources and related areas. A major activity of the club is participating in the Water Watch Program of the Oklahoma Water Resources Board. This volunteer water-monitoring program is one of the strongest community service projects of the club. A bonus is that students become trained and certified water watch volunteers. Other activities include participating in OSU Earth Day, hosting speakers throughout the year as well as other social, educational and leadership activities.

scholarships

Students with majors in agriculture are awarded more than \$750,000 in scholarships each year. These scholarships are administered by the College and academic departments in the College of Agricultural Sciences and Natural Resources. In addition, agriculture students are eligible for more scholarships offered on a university-wide basis. Loans, grants and part-time employment are also available through the services of the university.

for more information

Environmental Science Program
College of Agricultural Sciences and Natural Resources
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roads TRAVELED



MILE MARKERS

Environmental Science Alumni Profile:

Name:

Jason Warren
Painter, Va.

Current Occupation:

Senior Research Specialist

Jason's Story:

Jason Warren knows the importance of improving and maintaining the quality of the environment we live in. His work at Virginia Tech's Eastern Shore Agricultural Research and Extension Center makes strides to do just that every day.

As a Senior Research Specialist in the Soil Fertility Research Program, Jason is responsible for the initiation and maintenance of agronomic small plot experiments throughout Virginia.

"I am responsible for operation and maintenance of the analytical laboratory which analyzes soil, water and plant tissue samples," said Jason. "In addition, I write research journal articles, present research presentations in a variety of venues, and conduct local educational programs."

"I enjoy conducting research which will have an impact on the agricultural community."

- Jason Warren
CASNR Graduate

Education is important to Jason. Jason received his bachelor's degree in Environmental Sciences and his master's degree in Plant and Soil Sciences, both from Oklahoma State University. He then continued his education at Virginia Tech University in the Crop and Environmental Sciences doctoral program.

"My education as an environmental science student gave me broad exposure to the natural sciences," Jason said. "This broad exposure helps me to communicate intelligently with professionals working in other natural science disciplines."

Jason believes a strong understanding of soil and related sciences, along with effective written and oral communication skills, are a must for his type of position.

"Because much of my research focuses on environmental issues within the agricultural industry, it is important to have an understanding of environmental policy and forces which shape policy," added Jason.

If you have a desire to study a variety of sciences and apply your knowledge like Jason does, consider a major in Environmental Science.

which PATH are you taking?

Careers for Environmental Science Graduates:

- Land-use Planning
- Environmental Control
- Natural Resources Management
- Waste Disposal
- Water and Soil Quality
- Environmental Remediation
- Policy Analysis
- Chemist
- Environmental Scientist
- Data Technician
- Environmental Lawyer

Oklahoma State University
<http://www.okstate.edu>



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Enrollment:

- 85 Students

Study Options:

- Environmental policy
- Natural resources
- Water resources

Student Organizations:

- Environmental Science

Interdisciplinary Courses:

- Agricultural Economics
- Agricultural Engineering
- Entomology
- Forestry
- Horticulture
- Plant and Soil Sciences

Advanced Education:

- Many students develop minors or receive certifications in addition to their B.S. degree.
- Approximately half of students will attend graduate or professional school to gain more specific knowledge such as hydrology, soil remediation or environmental law.

For More Information:

- www.casnr.com