ENVIRONMENTAL SCIENCES

EMPHASIS AREAS: Atmosphere • Land and Soil • Outreach and Education • Water

A degree in environmental sciences combines interests in predicting and understanding weather patterns, monitoring environmental change, conserving and managing soil and biological organisms, assuring healthy streams and adequate water supplies, and improving environmental quality with the shaping of new policies and educating others about the natural environment and environmental issues.

CAREER OPPORTUNITIES

Acquire knowledge in monitoring and predicting environmental processes while earning your environmental sciences degree from the MU College of Agriculture, Food and Natural Resources. Choose an emphasis area to prepare for a variety of careers:

- **ATMOSPHERE.** Apply your knowledge of meteorology as a weather forecaster, providing timely information about climatic conditions for many organizations. Consulting meteorologists provide services to clients and help software companies develop new meteorological tools. Broadcast meteorologists work for radio and TV stations to produce forecasts and cover environmental stories.

- **LAND AND SOIL.** Learn to collect, analyze and interpret environmental data and use that data to implement sustainable conservation and land-management practices. Land managers, soil conservationists and soil scientists work with government agencies, agricultural producers, agri-food companies and environmental consulting firms to improve environmental quality and maximize ecosystem services.

- **OUTREACH AND EDUCATION.** Develop skills and knowledge to communicate environmental principles and discuss environmental challenges with the public. Environmental outreach and education specialists are employed by NGOs, government agencies and companies promoting “green” practices and technologies.

- **WATER.** Gaining expertise in the area of water resources will help you engage in solving some of the 21st Century’s most challenging problems: water quality and quantity. Water quality specialists and hydrologists are employed by government agencies, environmental consulting firms and private industries to monitor and assess water quality/quantity and improve water resources for human and environmental health.

RELATED MINOR

A minor in sustainable agriculture explores creating agricultural systems that produce food in a way that protects the environment and supports healthy communities.

Check out additional minor opportunities at cafnr.missouri.edu/degrees-and-programs.

ADVISING/MENTORING

As a student in CAFNR, you will be assigned a faculty member and/or a professional who will serve as your academic advisor. This one-on-one advisement and guidance will help you design the course of study best suited to meet your career objectives.

This personalized approach to student advising means our students are more likely to stay in college and graduate.
HANDS-ON LEARNING
As an environmental sciences student, your chances to gain field experience through research and internships are almost limitless.

- **LEARNING LABS.** In CAFNR, you can dive into real-world experiences through our on-campus weather station at Sanborn Field, our on-campus weather lab, research laboratories and at our research centers throughout the state.

- **INTERNSHIPS.** On-the-job training with private companies or government agencies at off-campus internships will provide you with invaluable real-world experience. Internship opportunities include working for environmental consulting firms, state and federal conservation/environmental agencies, the National Weather Service or local radio and TV stations.

GETTING INVOLVED
Mizzou recognizes more than 800 student organizations. In CAFNR alone there are **more than 50 clubs and organizations to choose from**, and each gives you the opportunity to apply what you learn in the classroom while making lifelong friends.

CAREER PLANNING
CAFNR offers **Career Services tailored to help you** make connections and build your professional brand. You can meet employers, prepare your resume, practice interview skills and develop your professional communication skills. More than 200 employers recruit CAFNR students each year through on-campus career events.

SCHOLARSHIPS
The College of Agriculture, Food and Natural Resources offers you one of the strongest scholarship programs at MU. **About $1.3 million is awarded each year** to undergraduates, ranging from $500 to $3,500 per year.

PREVIOUS INTERNSHIP HIGHLIGHTS
- St. Louis Science Center, Illinois River Biological Station, Radar Operation Center, Columbia Center for Urban Agriculture
- Spartech Corp., ENVIRON International Corp., Seidel Research and Development Company, Veolia Environmental Services
- Missouri Department of Natural Resources, U.S. Geological Survey
- National Weather Service, KOMU-TV, KMIZ

UNDERGRAD RESEARCH. Work side-by-side in the field or lab with environmental sciences faculty to get hands-on experience with research in areas such as environmental monitoring, meteorology, hydrology, erosion control, water quality analysis or land management.

STUDYING ABROAD
The environmental sciences program, together with the CAFNR Study Abroad Office, offers a variety of international experiences around the globe, providing you the opportunity to examine environmental conservation and soil quality practices in other countries. The programs also help you better understand the global dimensions of related Missouri and U.S. industries.

Study abroad for a summer, a semester or winter break in **your choice of more than 15 countries**. Scholarships and loans are available for study abroad students.

GET IN TOUCH!

**SCHEDULE A CAMPUS VISIT**
CAFNR Office of Academic Programs
Phone (toll free): 888-682-2367
Email: visitcafnr@missouri.edu
Web: cafnr.missouri.edu

**Ask questions about dual enrollment/transfers**
CAFNR Advising
Phone: 573-882-8301
Email: cafnradvising@missouri.edu
Check equivalency online: admissions.missouri.edu

Learn more about the University of Missouri
MU Office of Admissions
Phone: 573-882-7786
Email: askmizzou@missouri.edu
Web: admissions.missouri.edu

**CONSIDER JOINING THESE CLUBS & ORGS!**
Meteorology Club
Mizzou Storm Chase Team
Sustain Mizzou
Soil and Water Conservation Society

**CORE AREAS OF STUDY**
- Atmospheric Dynamics
- Hydrologic and Water Quality Modeling
- Pollutant Fate and Transport
- Genesis of Soil Landscapes
- Radar Meteorology

* See catalog.missouri.edu for full curriculum.