



DEPARTMENT OF EARTH AND ATMOSPHERIC SCIENCES



ABOUT US The Department of Earth and Atmospheric Sciences is dedicated to delivering the best education in Applied Geology, Environmental Science, Geography, and Meteorology. You'll use the Earth as your laboratory to build your scientific knowledge and skills. Our expert faculty, small class sizes, field experiences, and state-of-the-art lab facilities offer a space for students to thrive. Through our programs, you will increase your understanding of the planet and make the world a better place.



STUDENT OPPORTUNITIES With Colorado's diverse landscapes as a backdrop, students can participate in field courses like The Colorado Plateau and Observations of Severe Weather. Students can also visit the National Ice Core Lab and the National Weather Service or travel to national meetings like the Geological Society of America, American Meteorological Society and the American Association of Geographers.



MAJOR/MINOR We offer majors in Applied Geology, Geography, Environmental Science, and Meteorology. Round out your education with our minor or certificate offerings which include Geology, Geography, Geographic Information Systems (minor or certificate), Sustainability Studies, Climate Change, Environmental Science, and Meteorology.



ALUMNI QUOTE "Studying meteorology at MSU honed my curiosity for the atmosphere. The comprehensive knowledge given to me created an opportunity for me to explore ANY career in meteorology. I chose to pursue broadcasting and really enjoy sharing my weather passion with the general public."

- Alex O'Brien, 2016
Broadcast Meteorologist in Colorado Springs

INDUSTRY CAREERS

- Meteorologist
- Environmental Scientist
- Geographic Information Systems Specialist
- Geologist
- Geographer



CONTACT US

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ENVIRONMENTAL | Bachelor of Science

Experiential Major Map



COLLEGE OF LETTERS,
ARTS AND SCIENCES

	First Year	Middle Years	Last Year
Cultivate Learning & Academic Excellence	<ul style="list-style-type: none"> Meet with an environmental science academic advisor and faculty to discuss career interests Complete required courses in mathematics, chemistry and biology Complete financial aid and scholarship applications 	<ul style="list-style-type: none"> Review your Degree Progress Report with an environmental science academic advisor Consider adding a minor or certificate Explore research, internship, or volunteer opportunities 	<ul style="list-style-type: none"> Meet with an environmental science academic advisor to ensure you are on track for graduation Complete your Senior Experience course Apply for Graduation
Engage Globally and Locally	<ul style="list-style-type: none"> Meet with an environmental science academic advisor Join a student organization 	<ul style="list-style-type: none"> Attend the Department of Earth and Atmospheric Sciences Undergraduate Research Showcase Attend the MSU Denver Undergraduate Research Conference 	<ul style="list-style-type: none"> Take a leadership role in a student organization Serve as a TA or LA for an environmental science class
Prepare for Postgraduation Success	<ul style="list-style-type: none"> Focus on building skills in foundational courses Begin to develop a resume to track experiences and skills 	<ul style="list-style-type: none"> Attend a career fair Attend career workshops & events offered by the C2 Hub Continue to build your resume 	<ul style="list-style-type: none"> Discuss employment and/or graduate school options with faculty members Review your resume with environmental science faculty members

Employment in Environmental Science is projected to grow by 5.7 percent from 2024 to 2026.

Academic Success Checklist

- Discover library resources
- Book an appointment with your academic advisor
- Visit the writing and tutoring center
- Complete FASFA and academic scholarship applications

Career Development Checklist

- Update your resume early & often
- Drop into the C2 Hub's Career Lab
- Secure an internship or career aligned part time job to develop essential skills for graduation

Career Information

What skills do employers want?

- Laboratory and field data collection and analysis skills
- Critical thinking skills
- Writing and oral communication skills

This major gives me the skills to:

- Monitor and evaluate environmental data
- Interpret and enforce environmental policies
- Collect and analyze environmental samples and data

What careers can I pursue?

- Conservation
- Restoration
- Environmental policy
- Field or Laboratory Scientist

