

YOU'RE READY TO BE A BEAR. WHAT SHOULD YOU DO NEXT?

Visit in person or take a virtual tour

We'd love to welcome you to campus. You can see where you will be learning, living and hanging out. We also offer a virtual tour online. Any time you want, you can explore 360-degree views of indoor and outdoor sites. You will be able to go inside academic buildings and campus landmarks.

 MissouriState.edu/Visit


Apply for admission

The earlier you apply, the better your chances to be considered for the maximum amount of financial aid. Everything you need is online.


 MissouriState.edu/Apply

Have any questions?


Contact the GGP department advisors or department head.

 Geosciences.MissouriState.edu

 GGP@MissouriState.edu

 417-836-5800

We're social

 [@MSUggp](https://twitter.com/MSUggp)

 Blogs.MissouriState.edu/Geosciences

**Missouri
State**

DEPARTMENT of
GEOGRAPHY, GEOLOGY
AND PLANNING



**IT'S TIME
TO RESEARCH
YOUR FUTURE.**

MAKE YOUR MISSOURI STATEMENT.

Geosciences.MissouriState.edu

How did the Earth form, and how have humans shaped it?
What is the relationship between human societies and the surrounding physical world?

Geoscience professionals explore concepts like these. Their jobs may combine the study of air, life, fossils, minerals, ice, oceans, lakes, rivers, rocks, volcanoes, soils, weather and more.

Geoscientists make a difference. They study the way policymakers and societies adapt to climate change, natural disasters and other challenges. They also help plan better, more inclusive communities and resilient infrastructure.

Are you ready to explore and analyze the world around you?



Your program options

Community and regional planning

These professionals develop and manage places. They build strong communities as they plan urban areas and housing, oversee resources and decide how to use land.

Earth science education pathway

Inspire others: Become a teacher! This path helps you become certified to teach the Earth sciences in high schools or middle schools.

Geography and sustainability

Are you interested in humans and their environments? Geography blends the study of people with the places they live and use. You will learn about the physical features of the Earth and how we sustainably manage resources, ecosystems and development.

Geology

Are you fascinated by how the world was made, what it is made of, how it changes and why? Geology explores Earth's history, structure and features. Geologists help protect natural resources and uncover hazards.

Geospatial sciences

This option connects people to patterns. Use technology to analyze and model "big data" to understand Earth systems, demographics, economic and political patterns and even national security and intelligence issues.

Customize your degree



Our department offers you

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minors, which complement or strengthen your major,

AND

12+

undergraduate certificates, which help you build career skills and set you apart from other job candidates.

Why you should choose MSU for the geosciences

• You will have exciting field experiences.

Put the principles you have learned into practice. You could earn class credit through field exercises, or go on shorter field trips.

You could go to a desert in Chile, mountains in Idaho, a plateau in Colorado, Death Valley in California or the carbonate deposits of the Florida Keys. We also have ongoing trips to Jamaica. You can study sea-rise level, sedimentation and beach erosion firsthand.

• You could study in another country.

You will be encouraged to study abroad for a short trip or a semester. Recently, students went to China, Costa Rica and Taiwan for study-away courses. A trip to Portugal was open to both students and alumni, so you could network with professionals while seeing the world.

• You can have experiences in research and presenting.

Our faculty conduct cutting-edge research, and they often collaborate with undergraduate students.

Our students present their findings at professional conferences and have frequently won awards for their research.

• You will have the resources you need.

Our geosciences students have access to:

- Research and surveying equipment used by geoscientists in the field.
- Geographic information systems labs with cutting-edge software. You can use this for mapping, data analysis and modeling.
- The Ozarks Environmental and Water Resources Institute, where you can do research.
- An extensive maps collection in Meyer Library, where you can find many cartographic materials.

• You will be in the Ozarks.

Our region has unique features such as caves, rivers and mountains. You can get a great geosciences education right in MSU's backyard.

• You can make a difference and give back.

You will find a focus on sustainability in our degrees and programs.

What careers can you enter with these programs?

These are flexible degrees with many career paths. Here are just a few.

PLANNING

Agricultural planning
Conservation
Demography
Development planning
Education
Government
Historic preservation
Housing
Land use
Regional geography
Transportation
Urban design

GEOGRAPHY

Business
Education
Environmental monitoring and management
Government/land management and politics
International aid organizations
Management
Tourism

GEOLOGY

Economic geology
Engineering
Fossil energy
Geochemistry
Geomorphology
Geophysics
Hydrogeology
Marine geology
Mineralogy
Mining
Paleontology

GEOSPATIAL SCIENCES

Cartography
Criminology
Ecology
Geographic information systems
Radar and satellite imaging
Real estate
Research
Surveying

A sample of the places where our graduates work:

- Bayer Corporation
- Boeing Company
- Burns & McDonnell
- CIA
- ConocoPhillips
- Esri
- ExxonMobil Corporation
- Garmin International
- Hewlett-Packard Company
- The Library of Congress
- Missouri Geological Survey
- National Geographic
- National Geospatial-Intelligence Agency
- Surdex Corporation
- U.S. Environmental Protection Agency
- U.S. Geological Survey
- U.S. Department of Agriculture
- U.S. Department of Defense



CAREER OUTLOOK

5%
expected job growth for
geoscientists through 2031

Demand will be highest in:

- **energy.**
- **environmental protection.**
- **responsible land and resource management.**

Source: U.S. Bureau of Labor Statistics

**Mean average national
starting salary for those with a
bachelor's degree
in geosciences:**

\$61,200

Source: National Association of Colleges and Employers
winter 2021 salary survey

We're one of
ONLY 2
undergraduate planning
programs in Missouri

We're the
LARGEST
geology program in the state



Academic programs

What types of classes will you take?

Find descriptions online: Geosciences.MissouriState.edu/Courses

UNDERGRADUATE

Majors

Community and Regional Planning
Geography and Sustainability
Geology
Geospatial Sciences

Minors

Community and Regional Planning
Geography
Geology
Geospatial Sciences
Global Studies
Sustainability
Sustainable Tourism Development

Certificates

Applied Geophysics
Applied Geospatial Science
Engineering Geology
Environmental Education
Environmental Geoscience
Geographic Information Sciences
Geologic Foundations
Globalization and Sustainability
Paleontology
Petroleum Geology
Small Town Planning and Development

GRADUATE

Master's degrees

Geography and Geology*
Master of Natural and Applied Science
with an emphasis in Geography,
Geology and Planning*
Master of Professional Studies with an
option in Environmental Management*
Secondary Education with an option in
Earth Science
Secondary Education with an option in
Geography

Certificates

Applied Geophysics
Environmental Monitoring and Sampling
Geospatial Information Sciences
Petroleum Geology
Planning and Development
Sustainability

** These master's degrees have an accelerated option. If you are an undergraduate student who meets certain requirements, you can enroll in graduate-level courses at the same time you are earning your bachelor's degree. You could earn both a bachelor's and master's together in just five years with some accelerated options!*



You can be part of our annual research day

All undergraduate students in the College of Natural and Applied Sciences can participate in CNAS Undergraduate Research Day. You could submit your work, which is then displayed and judged. Cash awards are given for the judges' top picks!



STUDENT ORGANIZATIONS

- American Association of Petroleum Geologists
- Gamma Theta Upsilon national academic fraternity for geography and geospatial science majors
- Geological Society
- Missouri Association of Planning Students



WANT TO LIVE WITH OTHER BEARS WHO LOVE WHAT YOU LOVE?

In our residence hall living-learning communities, or LLCs, students with similar academic interests live, study and socialize together. We have a STEM LLC for science, technology, engineering and math majors in a selected hall. It doesn't cost you any more to live in the LLC and get all the educational and personal benefits!





MEET MISSOURI STATE

Missouri State University is a public university system with an enrollment of more than 20,000 students who come from around the state and the world. The main campus is in Springfield, Missouri. There are three other physical campuses, two in Missouri — West Plains and Mountain Grove — and one in Dalian, China.

What makes Missouri State different? We're a big state university, but it doesn't feel that way. Just visit our campus. You'll experience a close-knit, friendly community.

When you're here, you're a Citizen Bear. You'll learn how to see the world differently, and follow your path with integrity. When you graduate, you're prepared to be a global citizen in the truest sense of the word. You'll bring more to your career and your community.

You'll be ready to Make Your **Missouri Statement**.

**You make your statement.
We'll put the cost within reach.**

Missouri State's philosophy: A quality college education should be within the financial reach of all students. Our total costs are lower than most other universities in the state and well below the national average. We invite you to compare.

If you are from outside Missouri and will be an entering freshman or transfer student, you may qualify for a full waiver of nonresident fees if you meet ACT, GPA or class-rank qualifications.



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MSU scholarships and other financial awards just for students in the geosciences



WHY IS MISSOURI STATE A GREAT VALUE?

Find out! MissouriState.edu/Costs