

## 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](https://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](https://MissouriState.edu/Apply)

### Have any questions?


Contact the department advisors or department head.

 [Biology.MissouriState.edu](https://Biology.MissouriState.edu)


 [Biology@MissouriState.edu](mailto:Biology@MissouriState.edu)

 417-836-5126

### We're social

 [MSU Biology](https://www.facebook.com/MSUBiology)

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

 [Blogs.MissouriState.edu/Biology](https://Blogs.MissouriState.edu/Biology)

**Missouri  
State**

DEPARTMENT of  
BIOLOGY



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

**MAKE YOUR MISSOURI STATEMENT.**

**[Biology.MissouriState.edu](https://Biology.MissouriState.edu)**

Biology is all about discovery. Put simply, it is the study of living things, from cells and animals to entire ecosystems.

Are you curious, creative, logical, skeptical, detail-oriented and a good communicator? If you have these characteristics, you have the foundation to become a great biologist!

## Why you should choose Missouri State for this degree

- **You could specialize in many areas.** Biology is far-reaching, and we have all the options you need to meet your career goals. You can choose from botany, cellular biology, environmental biology and evolution, environmental studies, microbiology and biotechnology, pre-teacher education, wildlife biology and zoology.
- **You can have many field experiences.** You could go to rivers, forests and conservation areas to learn about plants, animals and habitats.
- **You will have all the resources you need.** You could work with state-of-the-art equipment in our labs. Our equipment includes a recording spectrophotometer, DNA sequencer, Nomarski microscopes; ultracentrifuges and a Gamma counter. Our herbarium has 100,000+ plant specimens and collections of vertebrates and invertebrates.
- **You can experience biology around the world.** Explore plants and animals in diverse habitats. Our top five locations for biology education abroad are Australia, Belize, Botswana, Brazil, Costa Rica and New Zealand.
- **You can meet your next mentor.** Your faculty members will be active scientists who are respected in their fields.
- **You could explore our four research centers:** The Center for Biomedical and Life Sciences; a field station at Bull Shoals Lake; the Ozarks Regional Herbarium and the Gulf Coast Research Laboratory (our affiliate in Mississippi).



## What can you do with this degree?

Recent MSU graduates have careers in:

- Biology education.
- Biomedical research.
- Biotech industries.
- Ecology and conservation.
- Fisheries and aquaculture.
- Food and beverage labs.
- Health care and medicine.
- Wildlife management.
- Zoos and aquariums.

## You can do research — even as an undergraduate!

**Our biology faculty encourage hands-on research in topics such as migraines, grapevine genetics and endangered species. You could be published in professional journals. Our students have traveled around the country and abroad to talk about their work. They have presented at a symposium in Verona, Italy, and at a conference in a castle in Luxembourg.**

## Do you want to be a doctor, dentist or similar professional?

A biology degree is a great option if you want to enter one of our pre-professional programs. These programs are not majors. They are paths that prepare you to enter a professional degree program after you earn your bachelor's. If you want to enter a pre-professional program, your advisor will work with you. MSU students are regularly admitted to leading schools in all professional areas. MSU pre-professional programs that pair well with a biology degree:

- Pre-medicine.
- Pre-veterinary medicine.
- Pre-physician assistant.
- Pre-dentistry.
- Pre-pharmacy.
- Pre-optometry.
- Pre-physical therapy.
- Pre-occupational therapy.
- Pre-chiropractic.



More than  
**90%**  
of biology advisors  
are certified  
master advisors.

You will have guidance from an advisor. This faculty member will understand your interests and goals. Superior advising is one of the many things that sets us apart. In fact, MSU has received national recognition for more than 25 years for its outstanding student advising.



## CAREER OUTLOOK

**5% to 7%**  
expected growth in job  
openings through 2028

**In-demand skills for biologists:**

- **Communication.**
- **Critical thinking.**
- **Emotional stamina and stability.**
- **Interpersonal skills.**
- **Observation skills.**
- **Outdoor skills.**
- **Problem-solving skills.**

**20,200:**  
projected number of biologists  
employed in 2028

*Source: U.S. Bureau of Labor Statistics*

**\$65,000**  
Median annual wage for employees  
with a biology degree

*Source: U.S. Bureau of Labor Statistics*





## BIOLOGY STUDENT ORGANIZATIONS

- Pre-Medical Society
- Beta Beta Beta national biological honors society
- Students for a Sustainable Future
- Wildlife Society of MSU
- Pre-Veterinary Club
- Ozarks Biological Graduate Society



## Academic programs

What types of classes will you take?

Find descriptions online:

**MissouriState.edu/Biology**

### UNDERGRADUATE

#### Majors

Biology

Wildlife Conservation and Management

#### Minor

Biology

#### Certificates

Conservation Law Enforcement

Environmental Education

Foundations of Pharmaceutical Science

### GRADUATE

#### Master's degrees

Biology\*

Master of Natural and Applied Science with an emphasis in Biology\*

Plant Science\*

Secondary Education with an option in Biology

*\* 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!



## 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, math and engineering majors. It doesn't cost you any more to live in the LLC and get all the 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.

# 10+

scholarships, fellowships and other financial awards just for Missouri State biology students



## WHY IS MISSOURI STATE A GREAT VALUE?

Find out! [MissouriState.edu/Costs](https://MissouriState.edu/Costs)