

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 mathematics department.

 Math.MissouriState.edu

 Mathematics@MissouriState.edu

 417-836-5112

We're social

 Blogs.MissouriState.edu/Math

**Missouri
State**

DEPARTMENT of
MATHEMATICS



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

MAKE YOUR MISSOURI STATEMENT.

Math.MissouriState.edu

Do you like solving problems? Do you have a talent for working with numbers? If so, math may be the career for you!

Mathematicians make a difference in business, health care, science and many other fields. They may design experiments to test medicines or products, determine the number of endangered species in an area, analyze customer data, use numbers to track how diseases go from person to person — and much more.

Math is related to solving almost every problem in the world. Are you ready to be a part of solutions?



Your program options

We offer several options for students earning a bachelor's degree:

Actuarial mathematics

This is the science of evaluating the likelihood of future events and managing risk. People trained in this field often work for insurance companies.

Applied mathematics

This branch applies math theory and methods to physics, biology, medicine, computer sciences, life sciences and more. It includes modeling, which transforms real-world problems into mathematical problems.

General mathematics

With this focus, you can choose from the university's broad range of courses.

Statistics

Statistics deals with how you collect, organize and interpret data.

Mathematics education

Learn how to teach high school mathematics. MSU graduates more high school math teachers than any other institution in the state.

Why you should choose MSU for this degree

- **You can explore many aspects of this field.**

Mathematics is far-reaching. At Missouri State, you will find a broad curriculum that covers almost every type of math. That's why our graduates are successful in such a wide variety of careers. You will also be prepared to continue your education in graduate school.

- **You will have the chance to do research.**

If you want to do research, even as an undergraduate, you will have the opportunity. For instance, you could join our problem-solving group of students and faculty. They get together regularly to work on problems from mathematical journals. The group has submitted more than 100 solutions, and some of them have been published.

- **You will be invited to learn and network with noted experts.**

Explore math topics and meet professionals at the MSU Mathematics Lecture Series. These lectures are led by our faculty, or by leading minds from around the nation and the world.

- **You can develop your skills at competitions and conferences.**

The MAKO (Missouri, Arkansas, Kansas and Oklahoma) Undergraduate Math Research Conference is held on campus each year. Our students also go to the annual Nebraska Conference for Undergraduate Women in Mathematics and the Missouri Council for Teachers of Mathematics.

- **You can make a difference and give back.**

Our students are often able to serve in the community. For instance, you could volunteer at math competitions held on campus for elementary, middle and high school students.

There are

30+

mathematics faculty members and instructors ready to become your mentor. You can receive one-on-one attention from these experienced educators.





CAREER OUTLOOK

31%

expected growth in job openings for mathematicians and statisticians through 2031 — much faster than the average for all occupations Source: U.S. Bureau of Labor Statistics

Job opportunities are expected to be favorable for those with:

- Very strong quantitative and data-analysis skills.
- Computer-programming skills.
- The ability to keep up with new statistical methods and programming languages.
- Backgrounds in advanced mathematical techniques and modeling.
- Strong communication skills.
- The ability to interpret and present data and findings.

Source: U.S. Bureau of Labor Statistics

4,100:

projected number of annual job openings for mathematicians and statisticians through 2031

Source: U.S. Bureau of Labor Statistics

Median annual wage for statisticians in May 2021:

\$95,570

Median annual wage for mathematicians in May 2021:

\$108,100

Source: U.S. Bureau of Labor Statistics

What can you do with this degree?

Careers you can enter include:

- Actuarial science/risk management
- Biology/life sciences
- Business
- Computer analysis
- Economics
- Education
- Law
- Medicine
- Military science
- Physics
- Political science
- Social sciences
- Statistics

A few companies that have hired our alumni:

- American National Insurance
- The Boeing Company
- General Electric
- MetLife
- NASA
- O'Reilly Auto Parts
- Springfield Public Schools
- U.S. Census Bureau
- U.S. Department of Agriculture
- U.S. Department of Defense



MATHEMATICS STUDENT ORGANIZATIONS

- Kappa Mu Epsilon math honor society
- Mathematics Association of America Student Chapter
- Problem Solving/ Undergraduate Research Group
- (SM)²TO: Southwest Missouri Student Math Teacher Organization

Academic programs

What types of classes will you take?

Find descriptions online:

MissouriState.edu/MathCourses

UNDERGRADUATE

Majors

Mathematics
Mathematics Education

Minor

Mathematics

GRADUATE

Master's degrees

Mathematics*

Master of Natural and Applied Science with an emphasis in Mathematics*

Secondary Education with an option in Mathematics*

** 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 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.

≈20

scholarships and financial awards just for Missouri State mathematics students



WHY IS MISSOURI STATE A GREAT VALUE?

Learn more: MissouriState.edu/Costs