

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 chemistry department advisors or department head.

 Chemistry.MissouriState.edu

 Chemistry@MissouriState.edu

 417-836-5506

We're social

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

 [MoStateChem](https://www.facebook.com/MoStateChem)

 Blogs.MissouriState.edu/Chemistry

**Missouri
State**

DEPARTMENT of
CHEMISTRY AND
BIOCHEMISTRY



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

MAKE YOUR MISSOURI STATEMENT.

Chemistry.MissouriState.edu

Chemistry is the study of matter — anything you can see, smell, taste or touch. Chemists study substances and how they interact. These scientists have been behind big breakthroughs in medicine, food, energy and other vital needs. They make a difference by developing and improving products. Their input may prevent harm to people or the environment. Put simply, chemistry is discovery. Are you ready to play an essential role in how we understand the world?



Why you should choose MSU for this degree

- **You could specialize in many areas.**

Chemistry is far-reaching, and we have all the options you need to meet your goals. You could concentrate your degree in biochemistry, which focuses on living organisms. You can explore a career in pharmacy. You can choose a path that prepares you to go to graduate school to earn a master's or doctoral degree. You can also study chemistry education, and become certified to teach high school or middle school.

- **You can do research — even as an**

undergraduate student. Faculty in the chemistry department want you involved in research! You will have many opportunities to work one-on-one with instructors and professors. These are active scientists who are respected in their fields. Our students have presented at professional meetings and have been co-authors on scientific publications.

- **You will have all the resources you need.**

Our state-of-the-art instruments include ICP-MS, IR, NMR, Raman, Fluorimeter and other spectrometers; a particle-size analyzer; gas, liquid and preparative chromatography; X-ray diffractometers; a thermogravimetric analyzer; and much more.

Future chemistry educators can observe and teach at the Science Scholars Labs at Greenwood Laboratory School, a K-12 school located right on MSU's campus.

- **You will be invited to network with experts.**

You can attend our weekly seminars. These are led by our faculty or leaders in the field from outside the university, including alumni. The seminars explore topics in chemistry and provide you with networking opportunities.

What can you do with this degree?

Our graduates have successful careers as:

- Chemical engineers.
- Chemistry teachers.
- Environmental chemists.
- Forensic scientists.
- Medical doctors.
- Molecular biologists.
- Research chemists.
- Science journalists.
- Science teachers.

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

A chemistry 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:

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



CAREER OUTLOOK

6%

expected growth in job openings through 2031

Predicted most in-demand chemistry and materials science services:

- Nanotechnology for medicinal uses.
- Green chemistry to improve environmental safety.
- The development of cheaper, safer and better-quality materials.
- The development of technologies and processes that reduce pollution.
- Finding ways to remanufacture recycled materials, especially plastics.
- Monitoring pollution levels at manufacturing facilities.
- Ensuring compliance with local, state and federal environmental regulations.

96,300:

projected number of chemists and materials scientists employed in 2031

Source: U.S. Bureau of Labor Statistics

\$61,500

Median national starting salary for those with a bachelor's degree in chemistry

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





STUDENT ORGANIZATIONS

- Pre-Medical Society
- Student Affiliates of the American Chemical Society



Academic programs

What types of classes will you take?

Find descriptions online:

Chemistry.MissouriState.edu/Courses

UNDERGRADUATE

Major

Chemistry

Minors

Chemistry

Foundations of Interdisciplinary Science

Certificate

Foundations of Pharmaceutical Science

GRADUATE

Master's degrees

Chemistry*

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

Plant Science*

Secondary Education with an option in Chemistry

** 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!



We give you the highest level of undergraduate training.

Our department has had certification from the American Chemical Society Committee on Professional Training since 1974.

That means you can be sure your program will meet the quality standards of the profession.



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.



18+

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



WHY IS MISSOURI STATE A GREAT VALUE?

Find out! MissouriState.edu/Costs