



The **Master of Science** in

Biology

The most exciting time to be a biologist is now.

Biological sciences have been practiced for millennia, but now is perhaps the most exciting time to be a biologist. Every day brings new findings, from the microscopic to those that cover whole ecosystems. A Master of Science in Biology from the University of Missouri–St. Louis allows you to play a significant part in these exciting times and to share this knowledge through teaching, public service or by working in business and industry. Even more, many of our graduates enjoy better than average job stability. In fact, the US Bureau of Labor Statistics expects biology-related jobs to grow 5% by 2029.

Master of Science in Biology

The Master of Science in Biology program at UMSL provides the research-oriented training and education necessary for candidates to succeed in a number of areas. These include being professional biologists qualified for technical positions in business and industry, entering doctoral programs in biology and becoming effective secondary school and junior college biology teachers.

UMSL's Department of Biology offers three ways to earn the MS in Biology. The first is a 30-credit-hour, non-thesis option suitable for those who already have extensive research experience, educators who seek to upgrade their academic skills but do not require research experience, or those who need to broaden their biological background. The second is a 32-credit-hour Emphasis in Professional Science option that includes a strong business component for those interested in learning more about the business of biology. The third is a 30-credit-hour traditional apprenticeship in research leading to a written thesis. Both thesis and non-thesis options may be developed into a final degree program in either Cell and Molecular Biology or Ecology, Evolution and Systematics.

2+3 BS/MS Dual Degree Program

The Master of Science in Biology is also offered in the 2+3 program format. This unique 2+3 dual degree program provides a pathway for students to earn both a bachelor's and a master's degree in Biology with fewer total credit hours than would be required to complete each degree independently. Once all requirements have been met, students will be awarded both a BS and an MS and are able to enter the job market with a competitive edge.

Transforming Lives

The Master of Science in Biology at UMSL is earned through our College of Arts and Sciences, the academic core of the University of Missouri–St. Louis. Through academic programs offered on- and off-campus, traditional and nontraditional students gain knowledge, skills and intellectual leadership for a variety of career paths, advanced study and research in many academic disciplines.

Graduates are known for their professionalism on the job and their strong sense of civic responsibility. Students in our programs engage in creative and critical thinking, learn to analyze evidence, to appreciate patterns of complexity and to reflect on important issues that impact our daily lives. Students gain skill sets to prepare for a changing workplace that requires flexible, dynamic and well-educated employees.

The Biology Department ranks in the top 20 percent of the nation's research institutions, based on scholarly productivity and federal research grant funding. Biology students have the opportunity to engage in hands-on research projects under the guidance of faculty, and also benefit from the Science Learning Building, a \$32 million addition to the UMSL science complex that provides state-of-the-art, dedicated teaching lab spaces for students.

Serious education. Serious value.

The Master of Science in Biology is designed to provide specialized knowledge, skills and training in a flexible format. You'll learn from highly qualified educators and researchers who hold terminal degrees from some of the world's most prestigious academic institutions.

The University of Missouri–St. Louis provides the knowledge, resources, tools, skills and support students need to be successful in our programs. Our comprehensive student support services include workshops, tutoring and career services to help you develop skills and strategies to be successful in the classroom and beyond. UMSL welcomes transfer students, and our transfer specialists will assist you with getting the most transfer credits possible. We're also committed to increasing access to higher education, which is why UMSL is consistently ranked number one in affordability in the St. Louis region.

Learn more at biology.umsl.edu

The University of Missouri–St. Louis is the largest public research university located in Missouri's most populous and economically important region. UMSL provides high-quality, affordable education to one of the most diverse student bodies in the state. No university is better connected to the surrounding region than UMSL. More than 75% of our graduates stay in St. Louis. The region needs a well-equipped workforce, and UMSL is prepared to help you meet those needs. Choose the University of Missouri–St. Louis for biology.

Career Opportunities

Agricultural and Food Scientist
Biochemist
Biologist
Biophysicist
Conservation Biologist
Environmental Educator
Environmental Scientist
Epidemiologist
Forester
Forensic Scientist
Genetic Counselor
Health Sciences Professional
Laboratory or Field Research
Assistant/Scientist
Marine Biologist
Medical and Technical Sales
and Support Representative
Microbiologist
Pharmacologist

College of Arts and Sciences

1 University Blvd.
303 Lucas Hall
St. Louis, MO 63121
314-516-5501

artscience@umsl.edu
cas.umsl.edu

Department of Biology

1 University Blvd.
223 Research Building
St. Louis, MO 63121
314-516-6200

biology.umsl.edu
[department email goes here](mailto:department_email_here)

Office of Graduate Admissions

1 University Blvd.
121 Woods Hall
St. Louis, MO 63121
314-516-5458

gradadm@umsl.edu
graduate.umsl.edu



CHOOSE UMSL