



"My participation in the Accelerated Masters Program demonstrated to employers that I took my education seriously and worked to get ahead. This drive is a quality that employers value and will utilize to help you advance in your career and make their company a success."

Catherine Haslag, BS 2004, Accelerated MS 2005. Catherine served as an environmental scientist with Environmental Works in Springfield, MO. She is now a Chemistry Instructor at Riverland Community College.



Missouri State
UNIVERSITY

Department of Chemistry and Biochemistry
901 South National Ave.
Springfield, MO 65897
417-836-5506
Chemistry@missouristate.edu
www.chemistry.missouristate.edu

Questions/Advising:
Dr. Bryan Breyfogle
Temple 425
417-836-5506
BryanBreyfogle@missouristate.edu

Missouri State University adheres to a strict nondiscrimination policy and does not discriminate on the basis of race, color, religion, sex, national origin, ancestry, age, disability, veteran status, or on any basis (including, but not limited to, political affiliation and sexual orientation) not related to the applicable educational requirements for students in any program or activity offered or sponsored by the University.

Accelerated Masters Program

Department of Chemistry and Biochemistry

College of Natural and Applied Sciences

www.chemistry.missouristate.edu

Missouri State
UNIVERSITY



Accelerated Master of Science Degree in Chemistry

Eligible undergraduate students majoring in chemistry may apply for preliminary acceptance into the Master of Science degree in Chemistry after admission requirements for this accelerated masters program have been satisfied. If approved, a maximum of 12 hours of graduate level courses selected from CHM 607(3), 633(4), 642(3), and 675(3) may be designated as “mixed credit” and counted toward both the undergraduate and graduate degree programs. This offers an opportunity for chemistry majors with undergraduate laboratory research experience to complete the course requirements for the Master of Science degree in Chemistry in two semesters and a summer after attaining the bachelors degree rather than the typical four semesters and a summer.

What's in it for me?

- Median starting salary for MS: \$51,000;
- Median starting salary for BS: \$38,000;
- Financial Assistance—eligibility for a graduate assistantship (tuition waiver + stipend);
- Graduate Record Examination (GRE) not required;
- Acceptance to graduate program in junior or senior year;
- Focused and specific research in modern analytical, biochemistry, environmental, inorganic, organic and physical chemistry fields.

Admission Requirements

1. Junior standing, overall GPA of 3.0 or better.
2. Completion of CHM 160, 161, 170, 171, 302, 342, 343, 375, 398 and 399; PHY 123 and 124 or PHY 203 and 204; MTH 287 and 288 or MTH 261 and 280 or MTH 261 and 288 with an overall GPA of 3.0 or better.
3. Undergraduate research experience (CHM 399 or 499) and supporting recommendation from the student's research advisor.
4. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate research mentor.
5. Acceptance of applicant to the accelerated masters program option in chemistry.



comprehensive and well-taught classes allowed me to bypass the majority of coursework necessary for a PhD.

Having graduate-level research experience allowed me to easily transition into a new lab environment and new topics of study in my doctoral program.”

Student Success

Many graduates of the Accelerated Masters program in Chemistry go on to PhD programs elsewhere. Mary Krause received a PhD in Chemistry at the University of Kansas and credits the Accelerated MS program with providing her the foundation needed for entry into and success in a PhD program.

“The Accelerated Masters program in Chemistry allowed me to complete my MS degree shortly after receiving my BS degree and to participate in more advanced, discussion-based chemistry classes as an undergraduate student, as well as affording me advanced research opportunities much earlier in my academic career. Additionally, the strong capabilities and encouragement of the chemistry faculty helped me to direct my career onto the path that it has taken.

My experience at Missouri State and completion of the Accelerated Masters gave me a very strong foundation in all of the major emphasis areas within the chemistry field that more than prepared me for a PhD program. The

Dr. Mary Krause now focuses on late-stage development of biologic drug products at Bristol-Myers Squibb in the Parenterals Science and Technology group.

Other graduates of the program include:

Dr. David Vinyard, BS 2007, Accelerated MS 2008, Outstanding Young Alumnus 2017, Asst. Prof. of Biochem.-Louisiana State University



Allison Freese, BS, 2018, Accelerated MS 2019, Biodiesel Lab Technician at Cargill



Dr. Eric Tague, BS 2011, Accelerated MS 2013, Field Application Scientist at Thermo Fisher Scientific