

## Graduate Certificate Biochemistry

### Degree Program

- The graduate Certificate in Biochemistry is 12-credit-hour program. It provides skills and training necessary to advance in the area of biochemistry, which deals with the structure, composition, and chemical reactions of substances in living systems. Biochemistry includes bioorganic, bioinorganic and biophysical chemistry. The Certificate requires three biochemistry lecture courses (each three credits) and three credits of elective courses. All students must take these three required courses and three credits of elective course, subject to the Graduate School regulations.
- A minimum of three of the courses must be taken at UMSL. Research credits must be taken at UMSL. Courses may be substituted with the permission of the Certificate coordinator. For more information, students can contact the Department of Chemistry and Biochemistry.
- Certificate applicants must meet the general University of Missouri-St. Louis Graduate School admissions requirements to be admitted to the Certificate program. Students admitted to the Chemistry M.S. program are automatically eligible to pursue the Certificate; however, they must apply separately to the Certificate program. Students must maintain a minimum GPA of 3.0 to remain in the Certificate program. The certificate is awarded after completion of the 12 credit hours of courses listed below. Students must apply to be awarded the Certificate. Courses taken while enrolled as an undergraduate may not be repeated nor will they count towards the Certificate.
- This 12-credit-hour certificate program also counts toward the 30-credit-hour Master of Science in Chemistry degree program requirements. Students may choose to combine this certificate with other courses and/or certificates to obtain the Master of Science in Chemistry degree.

### Program Website

<https://www.umsl.edu/chemistry/>

### Application Requirements

1. Graduate School Application
  - a. <http://umsl.edu/go/Apply-Now>
2. Statement of Purpose
  - a. Description of individual goals and areas of interest.
3. Two Letters of Recommendation
  - a. Letters that address academic potential must be provided by individuals who can accurately assess it such as previous instructors, professors, etc.
4. Transcripts
  - a. Official transcripts for all prior higher education institutions.
  - b. By the time of enrollment, prospective students must have obtained a baccalaureate degree or the equivalent from an accredited college or university.
  - c. International applicants are required to document English proficiency by providing scores from an internationally accepted standardized examination before a decision is made on admission. A score of 213 or better on the computer-based exam or 79 or better on the internet-based exam is required.
5. Grade Point Average
  - a. Minimum of 3.0 on 4.0 scale

## **Application Deadline**

Applications are processed as they are submitted. However, applications that are not received by the posted date may delay admission until the following semester.

- Fall term – July 1
- Spring term – December 1
- Summer term – May 1

## **Application Fee**

\$50 for domestic applicants; \$40 for international applicants

## **Advising**

Department of Chemistry and Biochemistry

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