

## Master of Science Biochemistry and Biotechnology

### Degree Program

A minimum of 30 credit hours is required, including

- Specific foundation courses: 15 hours;
- Elective courses: 15 hours, including research courses

*Non-thesis option:* designed for those with laboratory research experience or for others, such as educators, who do not require research experience. All students admitted to the program are considered to be in the non-thesis program unless a faculty member of the program has accepted them as a thesis student. No additional hours are required.

*Thesis option:* includes a laboratory-based research apprenticeship leading to a written thesis; requires fulltime enrollment.

### Emphasis Area

- Professional Science

### Program Website

- <http://www.umsl.edu/~biotech/>

### Application Requirements

1. Graduate School Application
  - a. <http://www.umsl.edu/gradschool/prospective/apply-now.html>
2. Three 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.
3. Official transcripts from all universities attended
  - a. Successful applicants must have completed a baccalaureate in Biology, Chemistry, Biochemistry, or a related discipline before beginning the master's program. *An undergraduate course in biochemistry (equivalent to Biol/Chem 4712) is required.*
4. Entrance examinations
  - a. The Graduate Record Examination General Test is required for international applicants and optional but strongly recommended for domestic applicants (see <http://www.gre.org/ttindex.html>).
  - b. International students 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 in biology and chemistry coursework.

### Application Deadlines

Deadline for receipt of all admission materials

- Fall semester
  - May 1 [international applicants]
  - July 1 [domestic applicants]
- Spring semester
  - November 1 [international applicants]
  - December 1 [domestic applicants]
- Summer Semester
  - May 1 [domestic applicants]

### Application Fee

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

### Graduate Program Director

Dr. Bethany Zolman

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