

# Biomedical Sciences (MS)

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*This program is offered by the College of Science and Health and is only available at the St. Louis main campus.*

## Program Description

The MS in Biomedical Sciences degree provides students graduate level coursework in disciplines related to the biomedical sciences, advanced healthcare education, or scientific research. Students in this program will expand on knowledge gained during undergraduate studies to strengthen knowledge, comprehension, and analysis of concepts related to the biomedical sciences and human health. In addition to learning biomedical concepts, students will also further develop critical thinking skills, essential for success in a diverse range of careers.

Through this program, students can pursue continued study in advanced clinical training programs and professions (such as medical, dental, veterinary, physician assistant, etc) and/or research-focused pursuits through development of critical thinking skills. The core curriculum includes advanced human anatomy and physiology, microbiology, pharmacology, and immunology. Additionally, varied options of elective courses enable students to tailor this program to individual educational and professional needs and aspirations.

**The curriculum spans one year of continuous, full-time enrollment starting every Summer term with an annual application deadline of April 15th. Core curriculum classes are held during the day.**

## Quality Outcomes

Upon completion of the program, students should be able to:

- Demonstrate a deep and integrated understanding of the biological sciences and their implication to the advancement of health and biomedical science.
- Employ critical analysis and reasoning skills and the application of these skills to the design and execution of scientific inquiry relevant to specific biomedical disciplines.
- Generate and effectively communicate scientific knowledge relevant to specific biomedical disciplines (medical, dental, pharmaceutical, etc).
- Develop a commitment to life-long learning and career pursuits within health and biomedical science disciplines.
- Foster a commitment to health equity and ethics.

## Program Curriculum

### Required Courses (27 Credit Hours)

- CHEM 7500 Biochemistry (3 hours)
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