



Master of Science

in Medical Sciences (MSMS)

Launch your medical sciences career

Whether you're strengthening your medical school application or advancing in medical research and other fields, this program provides the solid foundation you need to succeed and make an impact. As the U.S. faces a growing shortage of medical providers, the demand for culturally competent healthcare professionals is more critical than ever. In partnership with Ponce Health Sciences University (PHSU), UB's MS in Medical Science (MSMS) program equips you with the expertise and practical skills to thrive in today's medical landscape. Through an in-depth curriculum spanning anatomy, physiology, pharmacology, and more, you'll develop critical thinking abilities and gain hands-on experience, preparing you for diverse healthcare careers.

Advance your healthcare career with a comprehensive curriculum

The Master of Science in Medical Sciences (MSMS) at UB prepares students for a wide range of careers in the medical and health sciences. Designed for those looking to enhance their academic credentials, this program offers a comprehensive curriculum that strengthens your knowledge of biomedical sciences, clinical practices, and medical research.

In this program, you'll be active in your own learning through our synchronous online classes, allowing you to watch the lectures comfortably in your own space, while learning in real time alongside your peers.

With monthly predictive analytics reports, you'll get a clear picture of how well you're understanding the course material and how you're performing in the systems and disciplines tested on the USMLE Step 1 Exam. By tracking thousands of data points — like your responses on quizzes, homework, exams, and engagement with study materials — you'll see exactly where you're excelling and which topics could use a little more attention.

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UNIVERSITY OF
BRIDGEPORT

For more information, contact:
203-576-4552
bridgeport.edu/medical-science-ms

Master of Science in Medical Sciences (MSMS)

Curriculum

MSMS courses

This dynamic classroom model utilizes self-guided lectures and readings outside of the classroom for students to study digitally on their own time. The lessons are applied to virtual labs, class discussions, and more.

The MSMS methodology provides students with a broad-based, one-year core curriculum that mirrors the first year of LCME accredited medical school programs. The program spans three semesters, with two 18-credit semesters and one six-credit semester (total of 42 credit hours).

| Program requirements | |
|--|---|
| Gross Anatomy, Embryology, and Imaging | 9 |
| Physiology | 4 |
| Medical Biochemistry I | 5 |
| Microbiology | 4 |
| Physiology II | 4 |
| Medical Biochemistry | 5 |
| Neuroscience | 5 |
| Histology and Cell Biology | 4 |
| Medical Ethics | 1 |
| Interprofessional Perspectives in Health Disparities | 1 |

View all courses offered and read full course descriptions in our course catalog (www.bridgeport.edu/academics/catalog).

University of Bridgeport is accredited by the New England Commission of Higher Education. The University also is accredited by the Connecticut Office of Higher Education.

Possible career and education outcomes

- Advanced terminal degrees such as DO, MD, DC, and more!
- Biomedical research
- Dental
- Healthcare administration
- Medical technology
- Optometry
- Pharmacy
- Physician assistant programs
- Public health
- Veterinary
- And more!

Admission requirements

General admission requirements:

- Bachelor's degree earned from an accredited institution
- 2.7 cumulative GPA
- 24 semester hours (36 quarter units) in physical and life sciences with a grade of C or better
- The following prerequisites will fulfill the 24-semester hour requirement. Accredited online courses are accepted, but students should review the requirements for any future degrees they are seeking.
 - 8 semester hours (12 quarter units) of biology
 - 8 semester hours (12 quarter units) of chemistry
 - 8 semester hours (12 quarter units) of organic chemistry

Application requirements

- Transcripts showing bachelor's degree earned, as well as transcripts showing any prerequisite coursework
- A personal statement and letters of recommendation may be requested as supplemental items

