

Master of Science in Biomedical Sciences (BMS)

New York Institute of Technology College of Osteopathic Medicine at Arkansas State University is pleased to offer a Master of Science in Biomedical Science (BMS). The BMS program, which is located on the Jonesboro campus, is designed to improve the candidacy of individuals interested in attending medical school and other healthcare fields. The program can be taken by any individual and used to enhance their application to any medical school.

The BMS has six components:

Scientific Foundation of Medicine - Students gain in-depth understanding of the biologic basis of health and disease by taking the same instructional material and assessments to those taken by first-year medical students.

Clinical Inquiry Courses - These two team-based learning courses are specifically tailored to BMS students and are unique to this program. Whereas the biomedical science courses teach depth of knowledge, these courses impart the breadth and the application of that knowledge as it would be experienced in a clinical setting. Courses combine case-based learning with concept mapping to integrate the knowledge and apply it in a clinical setting.

Critical Thinking - This course introduces students to cognitive learning strategies and how to effectively apply

them to medical science competencies. Students will further their development in critical analysis of information and data and how to appropriately act on this analysis as it relates to biomedical and clinical science.

Enrichment in Biomedical Sciences - This one-credit course is designed to prepare students for the rigor of the master's program, which mirrors the first-year medical school (OMS I) program. The course will primarily explore topics of microbiology, pharmacology, anatomy/histology, and physiology. The course will run parallel to a critical thinking course and will apply the cognitive learning skills that are acquired in that course. The learning modalities will primarily include in-person didactics, small group discussion, and active learning.

Research - This two-semester experience is designed to help students gain research experience that may aid in a career in either science or medicine and also provide a foundation in the application of the scientific method.

Seminar - Students discuss critically-current relevant research in science, medicine, or medical education. This will introduce students to scientific literature, data interpretation, and reading comprehension.

For graduate tuition and fees, please visit nyit.edu/tuition

Statement on Non-Discrimination

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regarding Section 504 of the Rehabilitation Act of 1973 or Title IX of the Education Act of 1972:

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