

BIOCHEMISTRY, MS/ MEDICINE, MD

Degree: Master of Science (MS)

Field of Study: Biochemistry

Program Information: bulletin.case.edu/medicine/biochemistry/biochemistry-ms/

Degree: Doctor of Medicine (MD)

Program Information: bulletin.case.edu/medicine/programs/

Program Overview

The joint MD/MS program combines **type B MS programs** at the School of Medicine with the MD, using a common template. The core activities for this degree include limited credit from the medical core curriculum, 3-6 graduate courses in specific tracks, participation in a common seminar series, scientific integrity training, and a requirement for a special problems project that reflects a full year of research (18 hours of BIOC 601 Biochemical Research) culminating in a written report and examination. Both degrees can be completed within 5 years. Students who wish to join the MD/MS program may apply to the program after arriving at the University any time prior to fall of their second year of medical school.

The Biochemistry, MS/MD dual is designed to provide students with knowledge of the latest advances in biochemistry and related fields. Courses offered by other departments may be included with the approval of the Graduate Advisor. Depending on the research project, students may substitute one of the courses in lieu of one of the biochemistry electives with permission from the Graduate Advisor.

Program Requirements

Students in the Biochemistry track must complete:

Code	Title	Hours
IBIS 401	Integrated Biological Sciences I	3
IBIS 402	Integrated Biological Sciences II	3
BIOC 412 or BIOC 434	Proteins and Enzymes Structural Biology	3
Electives in Biochemistry (graded)		6
BIOC 601	Biochemical Research	18
IBMS 500	On Being a Professional Scientist: The Responsible Conduct of Research	1
IBIS 600	Exam in Biomedical Investigation	0

Note: Students may finish in 18 months if they devote a summer to research (6 credits of BIOC 601 Biochemical Research).