



Case Western Reserve University School of Medicine

Master of Science in Molecular & Cellular Biology of Disease

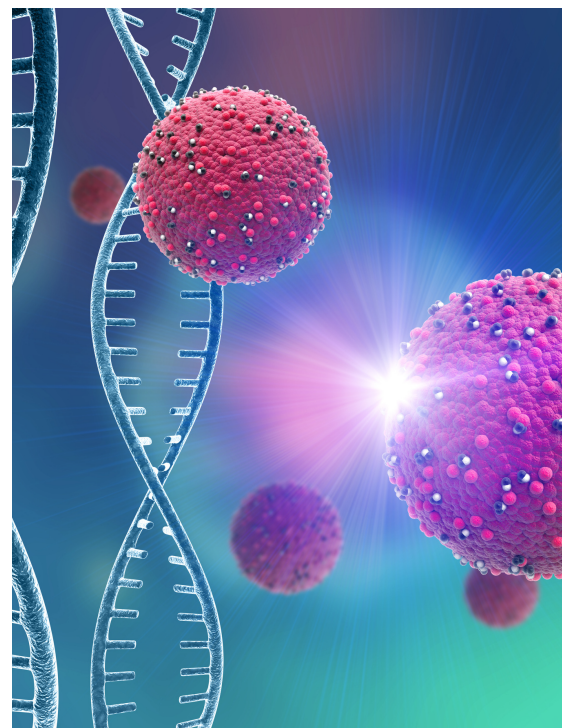
Designed for those who want to cure disease—from the bench or the bedside—Case Western Reserve University School of Medicine’s Master of Science in Molecular & Cellular Biology of Disease program provides the hands-on experience you need to launch your career.

Why Molecular & Cellular Biology of Disease?

Based on our Department of Pathology’s dual identity as a basic science and clinical department, we offer a highly flexible curriculum that is broadly focused on the molecular and cellular biology of disease. The coursework can be completed in 24 months and customized for different career paths, including:

- A healthcare track if you aspire to medical school, PA programs, or U.S. pathology residency programs; and
- A research track if you aspire to PhD programs or employment in the biotech/pharmaceutical industry.

In either track, you’ll learn from faculty who are world-renowned for their expertise in five cutting-edge fields: immunology, infectious disease, neurodegeneration, cancer biology, and pathology.



#1 medical school in Ohio

top 16 medical school for research

U.S. News & World Report

Program Overview

The core MCBD coursework of this 30 credit-hour program is focused on the molecular and cellular basis of disease. Required courses include:

- Molecular & Cellular Biology (3-6 credit hours)
- Basic Pathologic Mechanisms (4 credit hours)
- Seminar (1 credit hour)

From there, you can choose from 50+ electives in the biomedical sciences, including:

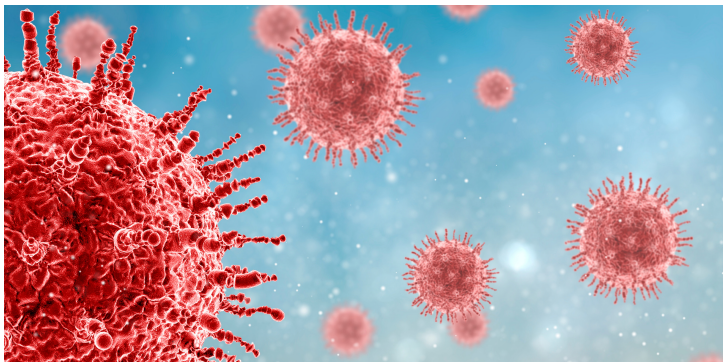
- Concentration electives: immunology, infectious disease, microbiology, global health and epidemiology, cancer biology, tumor immunology, neurodegeneration, histology, histopathology and more.
- Healthcare track electives: anatomy, physiology, nutrition, pharmacology, clinical reasoning and more.
- Research track electives: experimental methods, research ethics, statistics for biomedical research, seminars and literature-based discussion courses in various scientific disciplines.



Application Materials Include:

Email MCBD@case.edu with interest.

- Online application
- Transcripts
- Resume/CV
- Letters of recommendation
- Statement of Purpose
- MCAT, GRE, or USMLE test scores are optional
- International applicants must submit a score report for an English proficiency exam. The accepted exams and minimum scores are:
 - TOEFL (100)
 - IELTS (7.0)
- Exemptions are approved for i) Canadian citizens or ii) applicants who have received a bachelor's or master's degree from a U.S. academic institution.
- \$50 application fee



Ready to learn more?
Reach out to us at
MCBD@case.edu
or scan to visit our website.



**CASE WESTERN RESERVE
UNIVERSITY**
School of Medicine