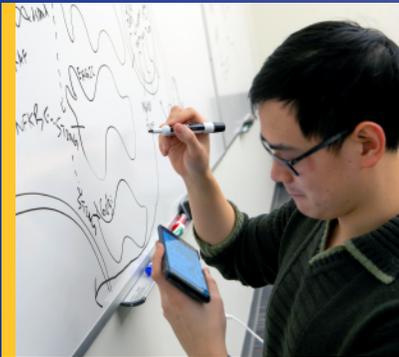


PhD in Biomedical Sciences

MORNINGSIDE GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

The PhD in Biomedical Sciences develops future leaders in all sectors of biomedicine including research, education, policy and entrepreneurship. The program allows students to work side-by-side with world-class faculty who are dedicated to training future scientific leaders in our student-centered coursework. Our core curriculum is focused on developing essential research skills and competencies, while the advanced elective classes focus on deepening specific knowledge in the research areas of your choice. The course offerings provide the full breadth and depth of biomedical sciences from fundamental biological questions through patient-oriented research.



Why choose a PhD in Biomedical Sciences?

Graduates are prepared to enter numerous pathways after graduating, including industry, academia, policy, science writing and other roles. The umbrella program is truly interdisciplinary; the rotations reflect the school's emphasis on intellectual curiosity, with the opportunity to participate in research in biochemistry and molecular pharmacology, neurobiology and neurology, medicine, pathology, and microbiology and physiological systems, and more. With the support of faculty and staff, you will determine your best-fit research group and program of study from seven options.



World-class facilities

The three graduate schools at UMass Chan Medical School share a campus with a top-tier hospital as well as biomedical research core facilities including two high-end cryo-electron microscopes, providing students with an interprofessional, hands-on learning environment. A 350,000-square-foot new education and research building, slated to open in 2024, will include space for more than 70 principal investigators in gene therapy, neuroscience and human genetics and for the educational enterprise.

Programs of study:

- Biochemistry & Molecular Biotechnology
- Bioinformatics & Computational Biology
- Cancer Biology
- Immunology & Microbiology Program
- Interdisciplinary
- Neuroscience
- Translational Science

Program details:

The PhD is a full time, on campus program that meets the needs of future science leaders. The program requires a dissertation and typically takes five to six years to complete. PhD candidates receive a competitive financial package, including a generous stipend for the duration of the program, transition assistance, health insurance and a full tuition and fee waiver.



Recent PhD placements

Research Scientists at:

- AbbVie
- Beam Therapeutics
- Brigham and Women's/
Dana-Farber Cancer Institute
- Moderna

Postdoctoral Associates/Fellows at:

- AstraZeneca
- Brown University
- Harvard Medical School
- Johns Hopkins School of Medicine
- Pfizer
- Stanford University
- Yale School of Medicine

ADMISSION REQUIREMENTS

Applicants are required to have a bachelor's degree earned prior to matriculation and significant lab research experience (300+ hours). An undergraduate GPA of 3.0 or higher is strongly preferred. Additional requirements are listed below.

The following prerequisite coursework is strongly recommended, with successful applicants typically having the classes completed with a B or better prior to enrolling in the program. Please note all complete applications are reviewed regardless of the number of prerequisites one has taken.

- Introduction to Biology I and II with labs
- General Chemistry I and II with labs
- Organic Chemistry I and II with labs
- General Physics I and II with labs
- Biochemistry I
- TOEFL or IELTS scores that meet the minimum score requirements, for applicants whose native language is not English and have not earned a degree in the U.S.
 - TOEFL: 100 or above on the internet-based test, all subsections 17 or higher
 - International applicants are required to submit an official course-by-course evaluation from a NACES member and unofficial TOEFL or IELTS scores.
 - IELTS: 7 or above overall, all sub scores 6.5 or higher
- The GRE is not required nor considered, applications are reviewed holistically

Office of Admissions

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Request
information!

