



DREXEL UNIVERSITY
Graduate School of
**Biomedical Sciences
and Professional Studies**
College of Medicine

Molecular & Cell Biology & Genetics, MS or PhD

Our Molecular & Cell Biology & Genetics (MCBG) program is an interdisciplinary program that allows students to become highly trained scientists across various disciplines. With a heavy focus on research, students can pursue research opportunities with more than 70 faculty members across the College of Medicine and at affiliated institutions. This program is highly personalized based on each students' interests and offers both MS and PhD degrees that focuses on the study of the structure, function, and makeup of biologically important molecules within the context of the living cells.

THE RESEARCH: BROAD RANGE OF SUBJECT AREAS

This intensive and research-oriented program gives students the opportunity to pursue a diverse variety of projects that range from the design and development of new therapeutic treatment strategies to the characterization of the molecular mechanisms that underlie various cellular processes and diseases. Students will choose research projects from the following areas:

- Aging and Developmental Biology
- Biochemistry and Structural Biology
- Cancer Biology
- Genetics, Epigenetics, and Genomic Science
- Immunology and Infectious Diseases
- Molecular and Cell Biology

- Nanotechnology and Nanomedicine
- Neurobiology
- Pharmacology, Physiology, and Drug Discovery

THE DEGREES: TO SUIT YOUR CAREER GOALS

MS: This two-year MS program provides a broad foundation in Molecular & Cell Biology & Genetics for students interested in studying biomedical problems across disciplinary boundaries. The program offers both a thesis-based degree and a non-thesis-based degree track.

PhD: The PhD program includes the same rigorous coursework as the MS program, with the addition of more intensive research components. Graduates of the PhD program are thoroughly prepared to become independent researchers and educators in related fields of studies. PhD candidates must pass a qualifying exam by November 1st of their third year and submit at least one manuscript.

THE FACULTY: EXPERTS IN THEIR FIELD

Our faculty are at the forefront of new advances in the biomedical sciences and new developments in techniques for understanding the genetic and molecular basis of developmental pathways and disease states, such as cancer, aging, AIDS, malaria and neurological disorders.

With the guidance of faculty mentors, students are able to pursue a variety of research-intensive projects.

Admissions Requirements

- Completed online application
- All supplementary material submitted by deadline
- Fall deadlines for the PhD in Molecular & Cell Biology & Genetics:
 - International deadline: December 15
 - Domestic deadline: December 15
- Fall deadlines for the Master of Science in Molecular & Cell Biology & Genetics:
 - International deadline: May 15
 - Domestic deadline: July 15
- Bachelor's degree from an accredited college or university
- GRE scores are not required for admission
- Official transcripts from all post-secondary institutions attended
- Essay or personal statement
- Résumé
- Three letters of recommendation
- Application fee: \$75.00

For more information about how to apply to the Molecular & Cell Biology & Genetics (MCBG) program, visit drexel.edu/medicine/academics/graduate-school/molecular-cell-biology-genetics/how-to-apply.

CURRICULUM:

Students in the Molecular & Cell Biology & Genetics program will complete an interdisciplinary core curriculum before completing degree specific requirements. In addition to the core curriculum, students will complete research laboratory rotations to give them broad research training and help them select a thesis research advisor for the later years of the program. The Master's program typically takes two years of full-time study to complete, while the PhD program typically takes about five years.

For more detailed information on the curriculum, please visit the program website at drexel.edu/medicine/academics/graduate-school/molecular-cell-biology-genetics/.



CONTACT US!

Molecular & Cell Biology & Genetics
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