

# GRADUATE PROGRAMS

The School of Medicine supports a number of programs of graduate study in the biomedical sciences and related fields. These programs provide opportunities for advanced course work and research training leading to advanced degrees.

Under the direction of the University-wide Doctor of Philosophy Board, opportunities for study for the degree of Doctor of Philosophy are available in the School of Medicine in biochemistry, cellular, and molecular biology; biological chemistry; biomedical engineering; cellular and molecular medicine; cellular and molecular physiology; cross-disciplinary biomedical sciences; functional anatomy and evolution; health sciences informatics; history of science, medicine and technology; human genetics; immunology; molecular biophysics; neuroscience; pathobiology; and pharmacology and molecular sciences. A Master of Arts degree is offered in medical and biological illustration and in history of medicine. A Master of Science degree is offered in anatomy education, applied health sciences informatics, and health sciences informatics. The requirements for the different degrees are established by the Doctor of Philosophy Board of the University, the School of Medicine's Committee on Masters and PhD Programs, program faculty, and administrators.

## Degree Requirements

Requirements which must be met by all candidates:

For the Doctor of Philosophy degree:

1. A minimum of two consecutive semesters of registration as a full-time, resident graduate student.
2. A certification by a department or program committee that all departmental or committee requirements have been fulfilled.
3. A dissertation approved by at least two referees and certified by them to be a significant contribution to knowledge.
4. A Doctor of Philosophy Board Oral Examination.

Requirements for the different Masters degrees are listed with the individual programs.

Admission information and application materials may be found on the SOM Graduate Program Admissions website (<https://www.hopkinsmedicine.org/som/education-programs/graduate-programs/admissions/>).

## Program Requirements

Requirements of the individual graduate programs may be found in the program-specific sections of the catalog. Further information may be obtained by writing to the director of the graduate program, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205.

## Programs

- Biological Chemistry, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/biological-chemistry-phd/>)
- Biomedical Engineering, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/biomedical-engineering-phd/>)
- Biophysics/Molecular Biophysics, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/biophysics-molecular-biophysics-phd/>)
- Cellular and Molecular Medicine, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/cellular-molecular-medicine-phd/>)
- Cellular and Molecular Physiology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/physiology-phd/>)
- Clinical Informatics, Post-Baccalaureate Certificate (<http://e-catalog.jhu.edu/medicine/graduate-programs/clinical-informatics-certificate/>)
- Cross-Disciplinary Program in Biomedical Sciences (<http://e-catalog.jhu.edu/medicine/graduate-programs/20cross-disciplinary-program-biomedical-sciences/>)
- Functional Anatomy and Evolution, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/functional-anatomy-evolution-phd/>)
- Health Sciences Informatics, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/health-sciences-informatics-phd/>)
- Health Sciences Informatics–Research, MS (<http://e-catalog.jhu.edu/medicine/graduate-programs/health-sciences-informatics-research-ms/>)
- History of Medicine, MA (On-site) (<http://e-catalog.jhu.edu/medicine/graduate-programs/history-medicine-ma-onsite/>)
- History of Medicine, MA (Online) (<http://e-catalog.jhu.edu/medicine/graduate-programs/history-medicine-ma/>)
- History of Medicine, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/history-science-medicine-technology-phd/>)
- History of Medicine, Post-Baccalaureate Certificate (Online) (<http://e-catalog.jhu.edu/medicine/graduate-programs/history-medicine-certificate/>)
- Human Genetics and Molecular Biology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/human-genetics-molecular-biology-phd/>)
- Immunology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/immunology-phd/>)
- Medical and Biological Illustration, MA (<http://e-catalog.jhu.edu/medicine/graduate-programs/medical-biological-illustration-ma/>)
- Neuroscience, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/neuroscience-phd/>)
- Pathobiology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/pathobiology-phd/>)
- Pharmacology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/pharmacology-phd/>)

- Anatomy Education, MS (<http://e-catalog.jhu.edu/medicine/graduate-programs/anatomy-education-ms/>)
- Applied Health Sciences Informatics, MS (<http://e-catalog.jhu.edu/medicine/graduate-programs/applied-health-sciences-informatics-ms/>)
- Biochemistry, Cellular and Molecular Biology, PhD (<http://e-catalog.jhu.edu/medicine/graduate-programs/biochemistry-cellular-molecular-biology-phd/>)