



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

Pharmacology & Physiology, MS or PhD

Our Pharmacology & Physiology (PHPH) program is an interdisciplinary program with a heavy emphasis on highly active research programs involving molecular, cellular and behavioral approaches to experimental pharmacology and physiology. In a strongly collaborative environment, students are able to pursue either the MS or PhD degree under the direction of expert faculty mentors in the department.

THE RESEARCH: BROAD RANGE OF SUBJECT AREAS

Research in the Pharmacology & Physiology graduate program is supported by a diverse and experienced group of faculty mentors, representing a multifaceted array of research topics, including:

- Epigenetic regulation
- Neuroimmunity and neurotransmission
- Behavioral pharmacology
- Learning and memory
- Neurovascular coupling
- Addiction and substance-use disorders
- G protein-coupled receptor signaling
- CNS and cancer drug discovery
- Biomarkers

THE DEGREES: TO SUIT YOUR CAREER GOALS

MS: This two-year MS program provides a broad foundation and technical expertise in pharmacology and physiology. Students in the MS program are required to defend a thesis based on original research. Students with a thesis-based MS may apply to the PhD program following graduation, and credits may be eligible for transfer into the advanced program.

PhD: The PhD program requires a minimum of four years of full-time study and is designed to educate students who go on to be independent researchers and teachers. Students in the PhD program are required to defend a thesis based on original research.

THE FACULTY: EXPERTS IN THEIR FIELD

Our faculty are at the forefront of new advances in the biomedical sciences and new developments in techniques and serve as mentors for students in the program. Our students and their mentors study a wide variety of topics, including:

- Substance and Alcohol use disorders
- Neurological Disorders
- Cancer Biology
- Molecular Mechanisms of Neuropathic Pain
- HIV Neuropathology and Co-morbidities

Admissions Requirements

- Completed online application
- All supplementary material submitted by deadline
- Deadline for PhD:
 - Domestic – December 15
 - International – December 15
- Deadlines for MS:
 - Domestic – July 15
 - International – May 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: \$65.00

For more information about how to apply to the Pharmacology & Physiology (PHPH) program, visit drexel.edu/medicine/academics/graduate-school/pharmacology-physiology/how-to-apply.

CURRICULUM:

Students in the Pharmacology & Physiology program will complete an interdisciplinary core curriculum before completing specific degree requirements in order to provide a broad foundation in biomedical sciences and serve as a framework. In addition to the core curriculum, students will complete elective courses for advanced study in more specialized areas.

For more detailed information on the curriculum, please visit the program website at drexel.edu/medicine/academics/graduate-school/pharmacology-physiology.



CONTACT US!

Pharmacology & Physiology
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