

PHARMACOLOGY: ENVIRONMENTAL HEALTH SCIENCES (PH.D.)

Offered by: Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)

Degree: Doctor of Philosophy

Program Description

The Ph.D. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced basic research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research, including a broad environmental perspective, exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (15 credits)

Expand allContract all

Course	Title	Credits
PHAR 602	Principles of Pharmacology.	3
PHAR 609	Research Professionalism for Pharmacologists.	1
PHAR 610	Scientific Communication for Pharmacologists.	2
PHAR 670	Principles of Environmental Health Sciences 1.	3
PHAR 671	Principles of Environmental Health Sciences 2.	3
PHAR 701	Ph.D. Comprehensive Exam.	0
PHAR 712	Statistics for Pharmacologists.	3

Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

Course	Title	Credits
PHAR 702	Topics in Pharmacology 1.	3
PHAR 703	Topics in Pharmacology 2.	3
PHAR 704	Topics in Pharmacology 3.	3
PHAR 705	Topics in Pharmacology 4.	3
PHAR 706	Topics in Pharmacology 5.	3
PHAR 707	Topics in Pharmacology 6.	3

or the equivalent, upon approval by the Graduate Training Committee (GTC.)