PHYSIOLOGY: CHEMICAL BIOLOGY (PH.D.)

Offered by: Physiology (Faculty of Medicine and Health Sciences)
Degree: Doctor of Philosophy

Program Description

** This program is currently not offered. **

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

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 (10 credits)

Expand allContract all

Course	Title	Credits
BIOC 610	Seminars in Chemical Biology 1.	1.5
BIOC 611	Seminars in Chemical Biology 2	1.5
PHGY 604	Responsible Conduct in Research.	0
PHGY 701	Ph.D. Comprehensive Examination.	0
PHGY 703	Ph.D. Progress Seminar 1.	1
PHGY 704	Ph.D. Progress Seminar 2.	1
PHGY 720	Ph.D. Seminar Course 1.	1
PHGY 721	Ph.D. Seminar Course 2.	1
PHGY 722	Ph.D. Seminar Course 3.	1
PHGY 723	Ph.D. Seminar Course 4.	1
PHGY 724	Ph.D. Seminar Course 5.	1

Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

Course	Title	Credits
CHEM 502	Advanced Bio-Organic Chemistry.	3
CHEM 503	Drug Discovery.	3
PHAR 503	Drug Discovery and Development 1.	3