

PHYSIOLOGY (THESIS): CHEMICAL BIOLOGY (M.SC.) (45 CREDITS)

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

Degree: Master of Science

Program credit weight: 45

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 Courses (27 credits)

Expand allContract all

Course	Title	Credits
PHGY 621	Thesis 1.	12
PHGY 622	Thesis 2.	12
PHGY 623	M.Sc. Final Seminar.	3

Required Courses (15 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 601	M.Sc. Proposal Seminar.	1
PHGY 602	Literature Search and Research Proposal.	2
PHGY 604	Responsible Conduct in Research.	0
PHGY 607	Laboratory Research 1.	3
PHGY 608	Laboratory Research 2.	3
PHGY 620	Progress in Research.	3

3 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