

NEUROSCIENCE (PH.D.)

Offered by: Neuroscience, Integrated Pgm (Faculty of Medicine and Health Sciences)

Degree: Doctor of Philosophy

Program Description

The Doctor of Philosophy in Neuroscience involves conducting neuroscientific research that leads to a written thesis. The program offers opportunities for cutting-edge research in diverse fields of neuroscience, ranging from cellular and molecular, to behavioural and cognitive. The program provides research in multiple branches of neuroscience.

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 (6 credits)

Expand allContract all

Course	Title	Credits
NEUR 630	Principles of Neuroscience 1.	3
NEUR 631	Principles of Neuroscience 2.	3
NEUR 700	Doctoral Candidacy Examination.	0
NEUR 705	Responsible Research Conduct.	0

Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program advisor.