NEUROSCIENCE MINOR (B.SC.) (25 CREDITS)

Offered by: Science (Faculty of Science)
Degree: Bachelor of Science
Program credit weight: 25

Program Description

"Please note: this Minor is only available to students studying in the faculty of Science."

This Minor is intended to provide students with a basic understanding of how the nervous system functions. The Minor is composed of 24-25 credits: 9 required and 15-16 complementary. For the 15-16 complementary credits, at least 12-13 must be from outside the student's home department and at least 6 of the 12-13 must be at the 400 or 500 level.

Note 1: A maximum of 6-7 credits can be counted for both the student's primary program and for the Minor in 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.

Required Courses (9 credits)

Expand allContract all

Course	Title	Credits
BIOL 200	Molecular Biology.	3
NSCI 200	Introduction to Neuroscience 1.	3
NSCI 201	Introduction to Neuroscience 2.	3

Complementary Courses (16 credits)

15-16 credits selected as follows:

- At least 12-13 credits must be from outside the student's home department.
- At least 6 of the 12-13 credits have to be at the 400 or 500 level.

0-10 credits from the following list of 200- and 300-level courses:

Note 2: Since CHEM 212 Introductory Organic Chemistry 1. is a prerequisite/corequisite for NSCI 200 Introduction to Neuroscience 1. and BIOL 200 Molecular Biology., students must take CHEM 212 Introductory Organic Chemistry 1. if they have not yet done so.

Expand allContract all

Course	Title	Credits
ANAT 212	Molecular Mechanisms of Cell Function.[1]	3
BIOC 212	Molecular Mechanisms of Cell Function.[1]	3
BIOL 201	Cell Biology and Metabolism.[1]	3
BIOL 202	Basic Genetics.	3
BIOL 300	Molecular Biology of the Gene.[2]	3
BIOL 306	Neural Basis of Behaviour.[2]	3
BIOL 320	Evolution of Brain and Behaviour.	3
BIOL 389	Laboratory in Neurobiology.	3
CHEM 212	Introductory Organic Chemistry 1.	4
NEUR 310	Cellular Neurobiology.	3
PHGY 311	Channels, Synapses and Hormones.	3
PHGY 314	Integrative Neuroscience.[2]	3
PSYC 302	Pain.	3
PSYC 311	Human Cognition and the Brain.	3
PSYC 315	Computational Psychology.	3
PSYC 317	Genes and Behaviour.	3
PSYC 318	Behavioural Neuroscience 2.	3
PSYC 342	Hormones and Behaviour.	3

1 Students may select ANAT 212 Molecular Mechanisms of Cell Function. or BIOC 212 Molecular Mechanisms of Cell Function. or BIOL 201 Cell Biology and Metabolism..

2 Students may select either BIOL 306 Neural Basis of Behaviour. or PHGY 314 Integrative Neuroscience..

6-15 credits from the following list of 400- and 500-level courses:

Expand allContract all

Course	Title	Credits
BIOL 530	Advances in Neuroethology.	3
BIOL 532	Developmental Neurobiology Seminar.	3
BIOL 580	Genetic Approaches to Neural Systems.	3
BIOL 588	Advances in Molecular/Cellular Neurobiology.	3
NEUR 502	Basic and Clinical Aspects of Neuroimmunology.	3
PHGY 425	Analyzing Physiological Systems.	3
PHGY 451	Advanced Neurophysiology.	3
PHGY 524	Chronobiology.	3
PHGY 556	Topics in Systems Neuroscience.	3
PSYC 410	Special Topics in Neuropsychology.	3
PSYC 415	Electroencephalography (EEG) Laboratory in Psychology.	3
PSYC 427	Sensorimotor Neuroscience.	3
PSYC 433	Cognitive Science.	3
PSYC 444	Sleep Mechanisms and Behaviour.	3
PSYC 470	Memory and Brain.	3
PSYC 506	Cognitive Neuroscience of Attention.	3
PSYC 514	Neurobiology of Memory.	3
PSYC 522	Neurochemistry and Behaviour.	3
PSYC 526	Advances in Visual Perception.	3
PSYT 500	Advances: Neurobiology of Mental Disorders.	3