Neuroscience

Program Requirements

M.Sc. Neuroscience (5.0 credits)

Requirements:

1. 1.0 credit in:
   NEUR 5100 [1.0] Fundamentals in Neuroscience
2. 0.5 credit in:
   NEUR 5201 [0.5] Statistics for Neuroscience I
3. 0.5 credit from:
   NEUR 5202 [0.5] Statistics for Neuroscience II
   NEUR 5800 [0.5] Special Topics in Neuroscience
   NEUR 5801 [0.5] Knowledge Mobilization
   NEUR 5000 [0.5] Foundations in Neuroscience
4. 3.0 credits in:

Total Credits 5.0

Ph.D. Neuroscience (10.0 credits)

Requirements:

1. 1.0 credit in:
   NEUR 6100 [1.0] Advanced Seminar in Neuroscience
2. 1.0 credit in:
   NEUR 6200 [1.0] Comprehensive Examination (to be completed within the first two years of PhD study)
3. 0.5 credit in:
   NEUR 5201 [0.5] Statistics for Neuroscience I (unless taken previously, in which case substitute with 0.5 credits of optional courses)
4. 0.5 credit in:
   NEUR 5202 [0.5] Statistics for Neuroscience II (unless taken previously, in which case substitute with 0.5 credits of optional courses)
5. 7.0 credits in:
   NEUR 6909 [7.0] Ph.D. Thesis (Candidates must successful complete a research thesis on a topic in Neuroscience supervised by a faculty member of the Department of Neuroscience)

Total Credits 10.0

Optional courses

Candidates may choose from the following list of optional courses:

Up to 1.0 credit from:
   NEUR 5000 [0.5] Foundations in Neuroscience
   NEUR 5800 [0.5] Special Topics in Neuroscience
   NEUR 5801 [0.5] Knowledge Mobilization

Up to 1.0 credit from:
   NEUR 6301 [0.5] Techniques in Neuroscience I
   NEUR 6302 [0.5] Techniques in Neuroscience II

Up to 1.0 credit from:
   NEUR 6401 [0.5] Independent Research in Neuroscience I

Regulations

See the General Regulations section of this Calendar.

Admission

The minimum requirement for admission to the Master's program in Neuroscience is either a B.Sc. Honours in Neuroscience, Biology, or related field, or a B.A. Honours in Psychology. Applicants with other bachelor's honours degrees in related disciplines will also be considered provided the applicant can demonstrate a strong background that relates to neuroscience.

In addition to transcripts and letters of reference, application packages must include a statement of interest.

Applicants without a background in neuroscience may be required to complete NEUR 5000 as part of their M.Sc. program.

Meeting the minimum requirements does not automatically guarantee acceptance into the program.

Admission

An M.Sc. from an appropriate university is usually required for entry to the Ph.D. program.

Meeting the minimum requirements does not automatically guarantee acceptance into the program. In addition to transcripts and letters of reference, application packages must include a statement of interest.

Students who are already enrolled in the M.Sc. program, and intend to subsequently continue into a Ph.D., may have the option of being fast-tracked into the Ph.D. program. Eligibility will be determined by recommendation from the M.Sc. thesis committee, the Graduate Chair in Neuroscience, and the Dean of Graduate and Postdoctoral Affairs.

Fast Track Option

Students who enroll in the M.Sc. program, and intend to subsequently continue into a Ph.D., may have the option of being fast-tracked into the Ph.D. program. Eligibility will be determined by recommendation from the M.Sc. thesis committee, the Graduate Chair in Neuroscience, and the Dean of Graduate and Postdoctoral Affairs. Advanced standing will be given for NEUR 5201. The decision and required approvals to fast track must be completed by July 31 of the student's third semester.

Regulations governing requirements for the Master's thesis, including deadlines for submission, are outlined in the General Regulations section of this Calendar.