Neuroscience is the field that explores neurobiological, physiological, genetic, and epigenetic contributions to behaviour. This emerging discipline represents an integrative approach to the study of behaviour that brings together the tremendous gains in knowledge that have been made in the past few decades. The program combines courses in psychology and biology to provide excellent preparation for graduate studies in the neurosciences.

MAKE THE MOST OF YOUR TIME AT UTM!

Program of Study (POSt)

- Specialist Program ERSPE2470 Neuroscience (Science)

Check out...

What is neuroplasticity? Find out in PSY397H5 – a course that examines how brain structures are organized in response to internal and external factors. How do we understand psychological disorders from a biological perspective? Enrol in PSY346H5 and discover the role of genetics, brain structures, and biochemistry in various disorders, along with the implications for prevention or treatment.

What can I do with my degree?

The career you choose will depend on your experience and interests. Visit the Career Centre to explore your career options.

Career Paths for graduates: Research technician; Neuropsychologist; Researcher; Medical careers; Veterinarian; Science educator.

Workplaces: Educational institutions; Medical/health organizations; Government; Research centres, Industrial research and development.
NEUROSCIENCE
SPECIALIST Program Plan

1ST YEAR
- Enrol in PSY100Y5, BIO152H5, 153H5, CHEM110H5, 120H5, and (MAT122H5, 134H5).
- Use the Degree Explorer and the Academic Calendar to plan your degree. After completion of 4.0 credits you may apply for a program of study (Subject POS) such as a double major in Psychology & Biology.
- Develop foundational academic skills and strategies by enrolling in a studONE course. Build community and gain academic support through LAUNCH. Join a RGASC Peer Facilitated Study Group.

2ND YEAR
- Enrol in (PSY201H5, 202H5)/ (STA220H5, 221H5)/ (STA215H5, BIO630H5) or equivalent; BIO202H5, 206H5, 207H5, and PSY210H5. One of the following: PSY210H5, 270H5, 274H5, 280H5. See Second Year Notes for suggested prerequisites for upper years. Apply to the Specialist once 8.0 credits have been completed.
- Consider applying for Research Opportunity Program (ROP) courses in Psychology or Biology. Visit the EEU website for ROP Course Prerequisites. Attend the RGASC’s P.A.R.T. to enhance your research skills.
- Use the Career Learning Network (CLIN) to find postings for on- and off-campus work and volunteer opportunities.
- Attend the Get Experience Fair through the Career Centre (CC) to learn about on- and off-campus opportunities.

3RD YEAR
- Enrol in (PSY309H5, 310H5, 370H5, 374H5, 380H5). See Second Year Notes for suggested prerequisites for upper years. Apply to the Specialist once 8.0 credits have been completed.
- Consider applying for Research Opportunity Program (ROP) courses in Psychology or Biology. Visit the EEU website for ROP Course Prerequisites. Attend the RGASC’s P.A.R.T. to enhance your research skills.
- Do you have a professor you really like or connect with? Talk to professors – they are potential mentors and references.
- Explore careers through the CC’s Program Selection & Career Options (P.S.C.O.) workshop. Explore higher-year Research Opportunity Program (ROP) offerings in Psychology and Biology.

4TH OR FINAL YEAR
- Log on to ACORN and request graduation.

HOW TO USE THIS PROGRAM PLAN
Read through each year. Investigate what appeals to you here and in any other Program Plans that apply to you.
Visit www.utm.utoronto.ca/program-plans to create your own plan using My Program Plan.
Update your plan yearly.

Visit www.utm.utoronto.ca/program-plans for the online version and links.

*Consult the Academic Calendar for greater detail on course requirements, program notes and degree requirements.

Revised on: 6/24/2021

Skills developed in Neuroscience

To be competitive in the job market, it is essential that you can explain your skills to an employer. Visit the Career Centre to learn how to articulate and market the following skills:

Communication: write and speak effectively, as well as inform and explain ideas.

Research: design experiments and conduct studies; assemble and analyze data; make observations and comparisons to arrive at valid conclusions.

Critical thinking & problem-solving: make critical decisions under stressful situations, as well as perceive and understand individual differences.

Investigative: understand and identify neurological diseases.

Technical: perform laboratory procedures, maintain laboratory equipment and instrumentation; ensure compliance with ethics policies and best practices for research.

Get involved

Check out the 100+ student organizations on campus. Here are a few:

- Psychology Association of Undergraduate Students of Erindale (P.A.U.S.E).
- Erindale Biology Society (EBS)
- UTM Student Union (UTMSU)
- UTM Athletics Council (UTMAC)

For a listing of clubs on campus visit www.utm.utoronto.ca/clubs.

Services that support you

- Accessibility Services (AS)
- Career Centre (CC)
- Centre for Student Engagement (CSE)
- Experiential Education Unit (EEU)
- Health & Counselling Centre (HCC)
- Indigenous Centre (IC)
- International Education Centre (IEC)
- Office of the Registrar (OR)
- Recreation, Athletics and Wellness Centre (RAWC)
- Robert Gillespie Academic Skills Centre (RGASC)
- UTM Library, Hazel McCallion Academic Learning Centre (HMALC)

Department of Psychology

Deerfield Hall, 4th Floor, Room 4098
University of Toronto Mississauga
3359 Mississauga Rd
Mississauga ON Canada L5L 1C6

Academic Counsellor: 905 828-5414
www.utm.utoronto.ca/psychology

FUTURE STUDENTS

Admission to UTM

All program areas require an Ontario Secondary School Diploma, or equivalent, with six Grade 12 U/M courses, or equivalent, including English. The admission average is calculated with English plus the next best five courses. The Grade 12 prerequisites this program are Advanced Functions, Biology and Chemistry. The approximate average required for admission is mid- to high-70s. More information is available at utm.utoronto.ca/viewbook.

NOTE: During the application process, applicants will select Psychology admissions category, but will not officially be admitted to a formal program of study until after second year (Specialist).

Sneak Peek

What are the principles underlying the study of the nervous system and behaviour? Find out in PSY290H5. What’s in your genes? Take BI0207H5 to find out about the principles of Mendelian inheritance and modern genetics.

Student Recruitment & Admissions

Innovation Complex, Room 1270
University of Toronto Mississauga
3359 Mississauga Rd
Mississauga ON Canada L5L 1C6

905-828-5400
www.utm.utoronto.ca/future-students