

Neuroscience

MSc Map

Applying to and Navigating Graduate Studies

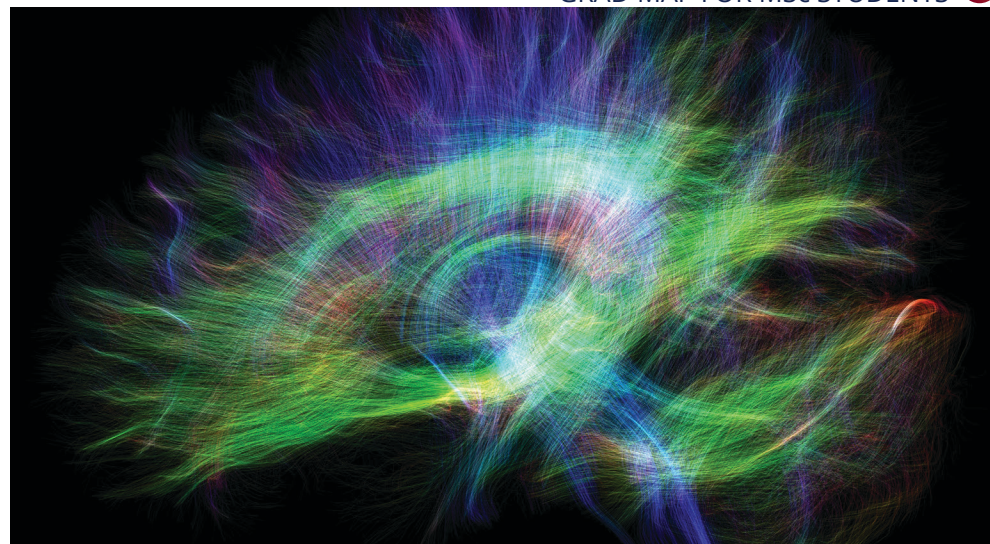
GRAD MAP FOR MSc STUDENTS →

Why GRADUATE STUDIES in NEUROSCIENCE?

Graduate students and their work are an important part of an ongoing research process that provides the community with ways of understanding natural, cultural, imaginative, social and technological phenomena. The multidisciplinary graduate program in Neuroscience is educating the next generation of leaders who will build on the progress in reducing the impact of neurological disorders. Top students from across North America and beyond come to the Centre to learn in a collaborative environment where they can learn from the best minds in the field. The Neuroscience graduate program is firmly rooted in research because our objective is to produce highly-trained graduates who will continue our efforts to prevent and treat neurological diseases. The program offers studies spanning the full spectrum of neuroscience research, from cellular/molecular to clinical studies.

Why QUEEN'S?

At the forefront of discovery and innovation is the Centre for Neuroscience Studies (CNS) at Queen's University. A hub of multidisciplinary research and teaching aimed at improving the understanding of the brain, how it works and how new therapies and diagnoses can play an important role in the prevention and treatment of diseases like Parkinson's,



Alzheimer's, Stroke, Obesity, Fetal Alcohol Spectrum Disorder, Schizophrenia, Behavioral Disorders, and Depression.

The Centre for Neuroscience Studies (CNS) welcomes applications from students from a variety of different academic backgrounds. It offers an interdisciplinary program recruiting expertise from a wide range of research areas and backgrounds, ranging from the use of cellular/molecular and genetic approaches to those that emphasize neuronal systems, whole organism and clinical studies.

"Right from the day I started at the Centre for Neuroscience Studies, it felt like family. The camaraderie and support you get is amazing."

– Alicia Peltsch, PhD

Program STRUCTURE

MSc (2 years, full time): Course work, research project, thesis, and defense.

Research AREAS

The CNS has four research areas of strength in Decision Making and Adaptive Control, Mood Disorders, Neurodegeneration and Pain. There are

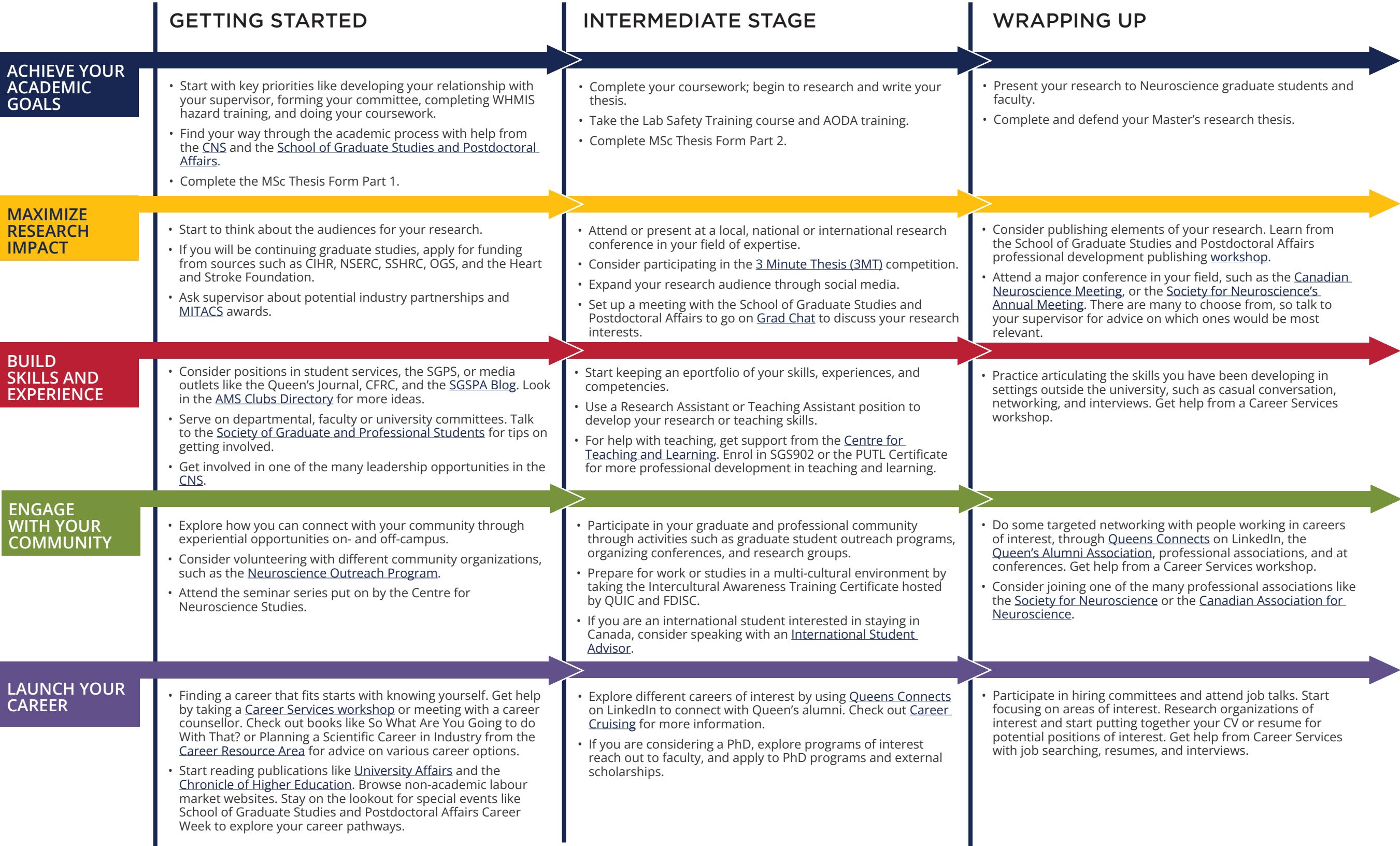
also many other neuroscience topics studied under the umbrella of the CNS. Our research spans cellular molecular research, systems, behavioural, cognitive and clinical applications.



Visit the [Neuroscience website](#) to learn more about faculty members and their research areas. When you find a faculty member with similar research interests to yours, contact them and tell them about your interest in graduate work and related experience.

Neuroscience MSc Map

MASTER OF SCIENCE (MSc)



WHAT WILL I LEARN?

A graduate degree in Neuroscience can equip you with:

- **Knowledge and technical skills**
- Effective **communication skills** in multiple forms for diverse audiences
- **Information management:** prioritize, organize and synthesize large amounts of information
- **Time management:** meet deadlines and manage responsibilities despite competing demands
- **Project management:** develop ideas, gather information, analyze, critically appraise findings, draw and act on conclusions
- **Creativity and innovation**
- **Perseverance**
- **Independence** and experience as a **collaborative** worker
- **Awareness**, an understanding of sound **ethical** practices, **social responsibility**, responsible research and **cultural sensitivity**
- **Professionalism** in all aspects of work, research, and interactions
- **Leadership:** initiative and vision leading people and discussion

WHERE CAN I GO?

A Master's degree in Neuroscience can take your career in many directions. Many of our MSc students choose to continue their academic inquiry with a PhD. Our Master's students are equipped with a strong foundation for careers in:

- Biomedical industry
- Biotechnology companies
- Clinical trials
- Health Canada
- Medical school
- Outreach education
- Pharmaceutical companies
- Post-doctoral study or academia
- Scientific writing

How to use this map

Use the 5 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. The map just offers suggestions – you don't have to do it all! To make your own custom map, use the [My Grad Map](#) tool.

Graduate Studies FAQs

How do I make the most of my time at Queen's?

Use the Grad Map to plan for success in five overlapping areas of your career and academic life. Everyone's journey is different - the ideas on the maps are just suggestions to help you explore possibilities. For more support with your professional development, take advantage of the SGSPA professional development framework and the new [Individual Development Plan \(IDP\)](#) process to set customized goals to help you get career ready when you graduate.

Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources - our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the [SGSPA website](#) for available resources.

What is the community like?

At Queen's, graduate students from all disciplines learn and discover in a close-knit intellectual community. You will find friends, peers and support among the graduate students enrolled in Queen's more than 130 graduate programs within 50+ departments & research centres. With the world's best scholars, prize-winning professional development opportunities, excellent funding packages and life in the affordable, historic waterfront city of Kingston, Queen's offers a wonderful environment for graduate studies. Queen's is an integral part of the Kingston community, with the campus nestled in the core of the city, only a 10-minute walk to downtown with its shopping, dining and waterfront. For more about Kingston's history and culture, see Queen's University's [Discover Kingston](#) page.

Application FAQs

What do I need to know to APPLY?

ACADEMIC REQUIREMENTS

- Honours Bachelor's degree in Arts or Science, Applied Science, degree of Doctor of Medicine, or equivalent.
- **Grade requirements:** B in the second, third and fourth years of an Honours Bachelor's degree.

ADDITIONAL REQUIREMENTS

- Statement of Interest.
- Current CV.
- If English is not a native language, prospective students must meet the [English language proficiency requirements](#) in writing, speaking, reading, and listening. The following minimum scores are required: (1) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30). Applicants must have the minimum score in each test as well as the minimum overall score, or (2) IELTS: 7.0 (academic module overall band score and a 7.0 for each test band), or (3) PTE Academics: 65, or (4) CAEL CE -70 (minimum overall score).

KEY DATES & DEADLINES

- **Application due:** To be eligible for internal awards, applications must be submitted by February 1st. Applications received after the deadline will be accepted based on supervisor availability.

Before you start your application, please review the [Graduate studies application process](#).

What about FUNDING?

Master's students in Neurosciences are offered a minimum funding of \$21,000 per year. As part of the minimum funding package, you may serve as a Teaching Assistant, but it is not guaranteed. Applicants to the Centre for Neuroscience program with external funding awards will have a greater opportunity of being accepted to the program.

Apply for external funding from OGS, CIHR/NSERC and other sources. Queen's will automatically issue a \$5,000 top-up to Master's winners of federal government tri-council awards. See the School of Graduate Studies and Postdoctoral Affairs information on [awards and scholarships](#) for more.



Queen's
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DEPARTMENT OF
NEUROSCIENCE

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