Graduate Studies FAQs

How do I use this map?

Whether you are considering or have embarked on graduate studies at Queen’s, use this map to plan for success in five overlapping areas of your career and academic life. The map helps you explore possibilities, set goals and track your individual accomplishments. Everyone’s journey is different – the guide offers options for finding your way at Queen’s and setting the foundation for your future. To make your own customized map, use the online My Grad Map tool.

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 career, 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 GGS Habitat 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
- MSc: 4 year Bachelor’s degree ( preferably honors) with a minimum B+ standing.
- MASc: 4 year Bachelor’s degree (normally in engineering) with a minimum B+ standing.

ADDITIONAL REQUIREMENTS
- Two official transcripts for all post-secondary studies.
- At least 2 letters of reference.
- Curriculum vitae.
- If English is not a native language, prospective students must meet the minimum language proficiency requirements – in writing, speaking, reading, and listening. The School of Graduate Studies requires the following minimum scores: TOEFL (paper-based): 550, (internet-based): 80, IELTS: 6.5 (academic module overall band score), or (4) PTE: Academic: 65.

KEY DATES & DEADLINES
- Application due: January 15 to receive full funding consideration. There is no deadline to apply for admission.
- Notification of acceptance: Rolling acceptance.

Before you start your application, please review the graduate studies application process. To help you stay on track, you can print your own personalized My Grad Map.

What about FUNDING?

Most MSc and Masc students in Mathematics and Statistics receive minimum funding of $23,000 per year. The funding package can consist of teaching assistantships or fellowships, research fellowships, internal and external awards and/or scholarships. We encourage all eligible student to apply for external funding from OGS, NSERC and other sources. Queen’s will automatically issue a $5,000 top-up to incoming master’s students who are awarded federal government tri-council awards. For more information, see the School of Graduate Studies’ information on awards and scholarships.

RESEARCH Areas

The graduate mathematics community at Queen’s is vibrant, international, and intellectually stimulating.” – John Treilhard, MSc

Program STRUCTURE
- MSc Pattern I (18-24 months): course work and research project.
- MSc Pattern II (12 months): course work and research project.
- MASc (18-24 months): course work and a research thesis.

Mathematics & Engineering, Mathematics & Statistics MSc, MASc Map

Applying to and Navigating Graduate Studies

Why GRADUATE STUDIES in MATHEMATICS and STATISTICS?

A graduate degree in Mathematics and Statistics is essential for anyone aspiring to research or academic positions, and is very useful for those who want to assume a leadership role in government, business and industry. A Master’s degree in mathematics and statistics prepares students for a wide variety of research and industry career options.

Why QUEEN’S?

Queen’s is an ideal place to pursue graduate study in Mathematics and Statistics. We have an outstanding group of faculty researchers who are internationally recognized in their fields of specialization. They represent a wide variety of areas including pure mathematics (number theory, algebra, algebraic geometry, combinatorics, operator algebras, random matrices and dynamical systems), mathematical physics, mathematics applied to engineering (control theory, communication theory), mathematical biology, and both theoretical and applied statistics.
**What will I learn?**
A graduate degree in Mathematics and Statistics or Mathematics and Engineering can equip you with valuable and versatile skills, such as:

- 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 Mathematics and Statistics or Mathematics and Engineering 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:

- Academia
- Biostatistics
- Clinical Data Analysis
- Business Analysis
- Finance

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

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**Getting Started**
- Start with key priorities like developing your relationship with your supervisor and doing your coursework.
- Find your way through the academic process with help from departmental and Expanding Horizons professional development workshops, the department Grad Chat, and the SGS Habitat.

**Intermediate Stage**
- Complete your coursework, begin to research and write your project or thesis.
- Attend the weekly Math & Stats Department Colloquium.

**Wrapping Up**
- Complete and defend your project or thesis.

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**2020-2021**

**Mathematics & Engineering, Mathematics & Statistics MSC, MASc**

**Get Your Academic Goals**
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**Maximize Research Impact**
- Start to think about the audiences for your research.
- If you will be continuing graduate studies explore graduate programs and apply for external scholarships such as NSERC or OGS.

**Build Skills and Experience**
- Consider positions in student services, the SIPS, or media outlets like the Queen's Journal, CFRC, and the SGS Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty, or university committees.
- Check out professional development workshops from Expanding Horizons.

**Engage With Your Community**
- Explore how you can connect with your community through experiential opportunities on- and off-campus.
- Consider volunteering with different community organizations, such as Math Quest, a math camp for girls.

**Launch Your Career**
- Finding a career that fits starts with knowing yourself. Get help by taking a Career Services workshop or meeting with a career counselor. Check out books like So What Are You Going to Do With That? or The Academic Job Search from the Career Resource Area for advice on various career options.
- Start reading publications like University Affairs and the Chronicle of Higher Education. Browse non-academic labour market websites. Stay on the lookout for special events like School of Graduate Studies Career Week to explore your career pathways.
- Check admission test deadlines if needed for further studies.

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Visit careers.queensu.ca/gradmaps for the online version with links!