Application FAQs
What do I need to know to APPLY?

ACADEMIC REQUIREMENTS
Master's degree in Mathematics and/or Statistics or related field with a minimum B+ standing and demonstrated research potential and clear interests. Applicants interested in Mathematics and Engineering will also have an undergraduate degree in an engineering field.

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 English language proficiency requirements of the Graduate School of Graduate Studies (minimum scores: TOEFL (paper-based): 550, (2) TOEFL IBT: Writing 20/30, Speaking 22/30, Reading 22/30, Listening 20/30, for a total of 88/120 (applicants must have the minimum score in each test as well as the minimum overall score), or (1) IELTS: 7.0 (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 acceptances.

What about FUNDING?
The minimum funding guarantee for Mathematics and Statistics PhD students is $25,000 per year, throughout years 1-4. The funding package may be comprised of teaching assistantships and/or research assistantships, fellowships, research fellowships, internal and external awards and/or scholarships.

We encourage all students to apply for external funding from OGS, NSERC and other sources. Queen's will automatically issue a one time $10,000 top-up to incoming PhD students who have won federal government tri-council awards. For more information, see the School of Graduate Studies' information on awards and scholarships.

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.

Why GRADUATE STUDIES in MATHEMATICS and STATISTICS?
A doctoral degree in Mathematics and Statistics is essential for anyone aspiring to a research or academic position, and is very useful for those who want to assume a leadership role in government, business and industry. The Doctor of Philosophy is a research degree, and doctoral studies are an essential step in the preparation of a research scientist.
**2020-2021**

**Mathematics & Engineering, Mathematics & Statistics**

**PhD Map**

**DOCTOR OF PHILOSOPHY (PhD)**

**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**
- **Multiple forms for diverse audiences**
- **Information management**
- **Non-academic labour market websites**
- **Find opportunities for extra training through courses.**
- **Learn about advising and teaching responsibilities despite competing demands.**
- **Project management**
- **Develop ideas, gather information, analyze, and critique findings and act on conclusions.**
- **Creativity and innovation**
- **Perseverance**
- **Independence and experience as a collaborative and contract worker**
- **Awareness of sound ethical practices, social responsibility, responsible research, and cultural sensitivity**
- **Professionalism in all aspects of work, research, and interactions**
- **Leadership initiatives and vision leading people and discussion.**

**WHERE CAN I GO?**

A PhD in Mathematics and Statistics or Mathematics and Engineering can take you in many directions.

- **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.

The coronavirus pandemic may impact how some activities are delivered in 2020-2021. Please check directly with the host of any activity on the map for the latest information.

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