

Mathematics and Statistics

Our graduate programs are collaborative, creative and insightful.

For decades, graduate alumni from our School of Mathematics and Statistics have been impacting people's lives. Join our team and make a difference! We offer two distinguished graduate mathematics degrees: a Master of Science (MSc) and a PhD. There are three pathways at the master's level: **coursework**, **research project** and **thesis**.

You can choose from the following program and research areas: Applied Mathematics (through the Applied Analysis or the Combinatorics Research Groups), Pure Mathematics (through the Algebra and Number Theory or the Theoretical and Functional Analysis Groups), or Probability and Statistics. A specialization in Bioinformatics (MSc only) is also available.

Our professors are internationally recognized for their research expertise and leadership. More information about individual faculty is available on our website.

As proud sponsors of the Fields Institute for Research in Mathematical Sciences, our students participate in lectures sponsored by the institute, including the Fields-Carleton Distinguished Lecture Series.

The School is a member of the Ottawa-Carleton Institute for Mathematics and Statistics (OCIMS), a joint institute with the University of Ottawa. Together, we offer one of the largest grad programs in math and stats in Canada. Students can take

courses at both universities, while benefiting from the expertise and resources at both institutions.

Our location in the nation's capital provides easy access to paid **internships** in government departments and private industry. Our students have interned at Corel, Health Canada, the Loeb Research Institute, Canadian Border Services Agency, the Canadian Institute for Health Information and Generation V, among others. Placements are competitive and not guaranteed.

The school hosts the Centre for Quantitative Analysis and Decision Support (CQADS), which offers a myriad of analytical services to clients on a cost-recovery basis. As part of its activities, the centre provides funding, training and on-the-job consulting experience to qualified grad students and recent alumni. Students work with clients such as the Canadian Air Transport Security Authority, Ottawa Integrative Cancer Centre, United Way Centraide Canada, Public Health Agency of Canada, Nordicity Group Ltd. and Transport Canada.

“ I remained at Carleton for my PhD because of the undeniable learning experience it had to offer. Being a joint institute with the University of Ottawa and having close ties to the Fields Institute, there are a multitude of high-level courses, seminars and colloquia available on a continuous basis. ”

— Jason Crann, PhD/15, Carleton Associate Professor, School of Mathematics and Statistics

Degrees Offered

MSc, PhD

Career Options

Our alumni are leaders, pursuing successful careers with most of the above organizations, and elsewhere.

Fall Application Deadline

February 1 in order to be eligible for funding

Admission Requirements

MSc: An honour's bachelor's degree in mathematics, or the equivalent, with at least B+ overall. Applicants holding a three-year degree, with at least a B+ average, may be considered.

PHD: A master's degree in mathematics, or the equivalent, with at least a B+ standing.

