Mathematics and Statistics: MSc, PhD

Graduate students in the Department of Mathematics and Statistics have the opportunity to make a substantive contribution to solving important scientific and societal problems in a wide variety of areas. In addition to our Master's and PhD programs in Mathematics and Statistics, we participate in the Collaborative Specializations in Artificial Intelligence and One Health; and the Bioinformatics and Biophysics Graduate Programs.

mathstat.uoguelph.ca

Program

We offer both Master's and Doctoral programs. The Doctoral program typically requires 3-4 years to complete. Master's students can choose to complete their degree by thesis or by major research project. A master's thesis typically requires 1-2 years to complete and a master's major research project typically requires 1 year to complete.

Research Fields

- Applied Mathematics
- Applied Statistics

"I wanted to study at a university that is highly acclaimed for high academic standards and one that offers a welcoming environment to students with diverse backgrounds. My academic advisor is very kind, and always tries to help me achieve high academic excellence."

- Radia Taisir (2020 MSc, Statistics)

Admission Requirements

For the Master's program, an honours degree with the equivalent of a major or minor in mathematics or statistics, with a minimum B- average over the last two years of full-time equivalent study.

For the Doctoral program, a recognized Master's degree obtained with high academic standing is required.

For application advice and tips, consult the Graduate Application Checklist on our department website.

Application Deadline:
mid-January each year

Faculty Research Areas

The Department of Mathematics and Statistics is an active department with 23 faculty and over 50 graduate students. Specific research interests include:

- Agent-Based Simulations
- Applied Analysis
- Artificial Intelligence
- Bioinformatics
- Biomathematics
- Biostatistics
- Computational Statistics
- Data Science
- Dynamical Systems
- Infectious Disease Modeling
- Machine Learning
- Matrix Analysis
- Mathematical Modelling
- Numerical Analysis
- Operations Research
- Quantum Computing
- Scientific Computing
- Statistical Genetics
- Survival Analysis

ARE YOU INTERESTED IN:

- Developing, analyzing and utilizing novel mathematical and statistical tools
- Collaborating with industrial, academic and governmental partners
- Helping to solve important scientific and societal problems

CAREER OPPORTUNITIES:

- Visit our department website to see career profiles of recent graduates and a list of over 30 careers recently available in Mathematics and Statistics:
  mathstat.uoguelph.ca/careers

CONTACT INFORMATION

Graduate Program Coordinator:
Zeny Feng
519-824-4120 x53294
zfeng@uoguelph.ca

Graduate Program Assistant:
Patricia Townsend
gradms@uoguelph.ca

UNIVERSITY *of* GUELPH

IMPROVE LIFE.