Applied Mathematics

MSc

ryerson.ca/graduate

Faculty of Science

RYERSON UNIVERSITY

Applied Mathematics

This program welcomes motivated students seeking to acquire mathematical skills to advance their academic or industry career goals. Students produce high-quality work in the form of a thesis or major research paper, and learn how to write technical and scientific reports and communicate complex results to a general audience. All students are fully funded and pursue rewarding academic and industry careers upon graduation.

Research Areas

With access to the state-of-the-art RAMLab (Ryerson Applied Mathematics Laboratory), students can explore the following fields:

- Biomathematics
- Biostatistics
- Complex Networks
- Computer Security
- Cryptography
- Data Mining
- Differential Equations and Operator Theory
- Financial Mathematics
- Fluid Mechanics
- Foundations of Statistical Mechanics
- Graph Theory
- Machine Learning
- Software Testing

Industrial research opportunities include:
- Modelling and Searching Complex Networks in the Big Data Era
- Risk Assessment and Modelling for a Fund of Hedge Funds
- Stochastic Modelling and Simulation for Systems Biology

Admissions Information

MSc	
	• Completion of a 4-year bachelor of science degree in mathematics or a related discipline
	• Minimum GPA or equivalent of 3.00/4.33 (B) in the last two years of study
	• Curriculum vitae
	• Statement of interest
	• Two letters of recommendation

Applicants may be required to provide certification of English language proficiency. For more information, visit **ryerson.ca/graduate/futurestudents/admissions/english-language.html**.

At a Glance

22

faculty members

1:1

faculty:student ratio

200

papers published in peer-reviewed journals and proceedings in the last six years (2009-14)

"Studying Applied Mathematics at Ryerson University has been a wonderful experience. The combination of challenging coursework, supportive professors, and interesting research addressing real-world problems has helped me grow as a mathematician."

– Jill Padgett, MSc student

International Students

International Student Services (ISS) provides comprehensive support for the international student community at Ryerson.
ryerson.ca/internationalservices

Program Contact

mathgrad@ryerson.ca
416-979-5000, ext. 4867
math.ryerson.ca/graduate

Yeates School of Graduate Studies
Ryerson University
350 Victoria St.
Toronto, ON M5B 2K3
Canada

ryerson.ca/graduate

Yeates School of
Graduate Studies

RYERSON
UNIVERSITY