



# Mathematics & Statistics: Applied & Industrial Mathematics

## Master of Science (MSc)



Our programs are dedicated to the exploration and development of new ideas in mathematics and statistics, and to fostering an understanding, appreciation and utility of those ideas. Industrial and applied mathematics play an essential role in the development of new and innovative technologies. York's dynamic program will train students to apply their skills to the solution of real-life problems in industry, finance, disease modelling, research laboratories and universities.

### Details of Degree

- Thesis (6 terms), Part-time available

### Program Highlights

Research interests of faculty members cover diverse areas of mathematics including algebraic geometry, applied mathematics, mathematical epidemiology, category theory, complexity theory, differential equations, dynamical systems, discrete mathematics, functional analysis, geometry, group theory, history of mathematics, logic and set theory, numerical analysis, optimization, probability, stochastic processes and topology. They also cover various areas of statistics including foundations of statistics, generalized linear models, interactive statistical graphics, statistical inference and survey sampling techniques.

### Deadlines

Domestic	International
Jan 15	Jan 15

### Connect with York University



**Program Support:** [gradmath@yorku.ca](mailto:gradmath@yorku.ca)  
**Admissions Support:** [fgsapply@yorku.ca](mailto:fgsapply@yorku.ca)



- [yorku.ca/gradstudies/students/future-students](http://yorku.ca/gradstudies/students/future-students)
- [futurestudents.yorku.ca/events/graduate](http://futurestudents.yorku.ca/events/graduate)

### Admission Requirements

- › An Honors degree in mathematics (or equivalent background) normally with a B standing may qualify the student for admission as a candidate to the program leading to the MSc degree in Industrial & Applied Mathematics.

### Documents to Submit

- › Transcripts (all university studies)
- › References (2)
- › Statement of Interest
- › Resume/CV
- › Supplementary Information Form
- › Program Supplementary Information Form
- › Degree and Program Information Form
- › ELP Test Score, if applicable
- › IELTS: 6.5 Academic
- › TOEFL: 79-80
- › Duolingo: 120

### York Graduate Funding

Current Academic Year

YEARLY FUNDING PACKAGE	
Domestic	International
\$25,991	\$36,917

graduate  
studies

