

ENGINEERING MATHEMATICS



Master of Science (MSc) Doctor of Philosophy (PhD)

The program provides a specialization in Applied Mathematics with the engineering background knowledge required for work with engineers and scientists on problems that require a combination of engineering insight and rigorous mathematical analysis. It also prepares the student for work on engineering problems in research centres and industry. The program is designed for students who have already completed an undergraduate program in Mathematics, Physics, Computer Science, or Engineering.



DAL.CA

Why study Engineering Mathematics at Dalhousie?

RESEARCH STRENGTHS

- Biological Control Systems
- Geotechnical Engineering
- Industrial Control Systems
- Internetworking
- Signal Processing/Pattern

RECOGNITION

- Fluid-Structure Interaction
- Marine Ecosystem Modelling

POTENTIAL CAREERS

- Academic positions
- Geotechnical consulting firms
- eBay security
- Game developers

ADMISSION REQUIREMENTS

Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. They also require at least two full year mathematics classes at the third year level, one of them in differential equations. Applicants without these requirements may be admitted to a Qualifying Program.

LENGTH OF PROGRAM

MSc: typical time to complete is 2 years

PhD: typical time to complete is 4-6 years

APPLICATION DEADLINE

Students may apply to begin their program in September, January, or May. The general application deadlines outlined by the Faculty of Graduate Studies should normally be met. Late applications will be considered, but may not be eligible for scholarship support.

CONTACT INFORMATION

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FACULTY OF GRAD STUDIES

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