

MATHEMATICS

Math is all around us, from landing that perfect snowboard jump to designing the next best-selling app. It's about discovering this place we live in through algorithms, calculations and logical reasoning. The computational mathematics program at Grenfell Campus, Memorial University is a four-year Bachelor of Science degree. Students strengthen their logical reasoning skills and can gain technical knowledge in diverse areas, including economics, engineering, physics, biology, chemistry, psychology, business, and computer science.

Why study computational mathematics at Grenfell?

Computational mathematics is about solving real world problems with numbers. It's about learning to think critically and developing analytical skills that will prepare you for countless opportunities. Computational mathematics is the language of the future. You'll gain the skills you need to navigate the numbers and prepare for the evolution of many industries.

In Grenfell's computational mathematics program, you will take courses such as differential equations, numerical analysis, applied graph theory, statistics, vector calculus, logical reasoning, and algorithms and complexity.

Our faculty is passionate about mathematics. Their research includes game theory, recreational mathematics, cryptography, model theory, combinatorial designs, error correcting codes and dynamic systems. And you may even have the chance to work with them as a student researcher.

Courses and Program Requirements

<https://www.mun.ca/university-calendar/grenfell-campus/grenfell-campus/7/5/#7.5.2>

Admission

You must meet to the general admission requirements for Memorial University and declare computational mathematics as your major to be admitted to the program. Students can apply for admission directly from high school. Or, if you have attended another post-secondary institution, you can apply for advanced standing. We recommend that you meet with an academic advisor to discuss transfer credits and course selection.

Career opportunities

Graduates of Grenfell's computational mathematics degree program find career opportunities in a variety of industries, such as software development, market/risk analysis, aerospace and aviation, telecommunications, biotechnology, entrepreneurial ventures, accounting, demography, epidemiology, forensic science, meteorology, and financial advising. Graduates also do very well on law and business entrance exams.

Contact

Mathematics Program Chair: Dr. Rebecca Milley

f12rgk@mun.ca

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