

MATHEMATICS

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The Mathematics division offers a full range of programs aimed at students of diverse interests and levels. This includes honours, major, minor and joint degree programs. We work closely with students to choose a program that is the right fit for their interests and goals. Mathematics is a creative activity with its own intrinsic value and beauty. Mathematics also provides a solid foundation for every scientific field. A degree in mathematics can prepare students for a career in academia, industry, management, information technology, banking, teaching, and other areas.

General Interest Courses

We offer a number of courses for students not majoring in Mathematics:

- **MATH 1000.03/MATH 1010.03:** These core calculus courses are the starting point for any degree program in the sciences.
- **MATH 1030.03** This course along with 2040.03 serve as introductions to matrix theory, linear equations and linear algebra, topics of importance in many fields.
- **MATH 1060.03:** This course serves as an introduction to the basic ideas of statistics, through examples drawn from a wide variety of disciplines.
- **MATH 1115.03:** Linear algebra and calculus are arranged to meet the needs of commerce students, but of interest to anyone wishing a brief introduction to these topics.
- **MATH 1215.03:** This course emphasizes the application of calculus to the life sciences.
- **MATH 2112.03:** Whereas calculus deals with continuous phenomena, this course deals with discrete objects, especially varieties of ways to count.
- **MATH 2040.03:** This course along with 1030.03 serve as introductions to matrix theory, linear equations and linear algebra, topics of importance in many fields.
- **MATH 2300.03:** Topics from science and technology are used to motivate and illustrate basic mathematical tools of linear algebra and calculus. Mathematical software such as Matlab and Maple is also introduced.

Six credit hours of Mathematics or Statistics are required for a BSc degree. The following courses may not be used to satisfy this requirement: MATH 1001.03, MATH 1002.03, MATH 1003.03, **MATH 1115.03**.