

# Mathematics Minor

<b>Faculty of Science and Horticulture</b>	kpu.ca/science
<b>Mathematics</b>	kpu.ca/mathematics
<b>Program Type</b>	Undergraduate
<b>Credential Granted</b>	Baccalaureate Degree
<b>Offered At</b>	Richmond Surrey
<b>Start Date(s)</b>	September January
<b>Intake Type</b>	Open intake
<b>Format</b>	Full-time Part-time
<b>Instructional Cycle</b>	Semester-based
<b>Curriculum Effective Date</b>	01-Sep-2017
<b>How to Apply</b>	www.kpu.ca/admission

## DESCRIPTION

The study of mathematics requires a high degree of technical skill in specific areas, but, often more importantly, also demonstrates a well developed sense of logical reasoning which can be applied to many different areas. The Minor in Mathematics allows a student the option of completing a Bachelor's degree in another subject area and still demonstrating the depth of their abstract reasoning and numerical skills by adding on a designation in mathematics. This will be helpful for any students who are planning professional careers for which a sound foundation in formal or mathematical reasoning is required as well as for students with a specific interest in mathematics.

The Minor in Mathematics, used as part of the Double Minor: Bachelor of Arts degree with a second teachable minor, is well suited for students who plan to enter a post-baccalaureate education program, with mathematics as one of their teachable subjects.

Teaching has consistently been a frequent career choice for post-secondary students, which requires education in teachable subjects before proceeding into a professional program of teacher training. The Minor in Mathematics, when paired with minors in English or History, will provide the necessary background for admission to a School of Education and an excellent path to the attainment of students' career goals. As well, the Minor in Mathematics can form part of a bachelor's degree leading students into other professions such as business, law or technical writing.

This minor may be applied towards any KPU bachelor's degree.

## ADMISSION REQUIREMENTS

Students pursuing a Minor in Mathematics must be admitted to KPU for undergraduate studies.

## DECLARATION REQUIREMENTS

Students pursuing this minor must declare their intention prior to graduation. A minor may only be declared as part of a bachelor's degree.

## CURRICULAR REQUIREMENTS

Students are required to complete 30 credits of mathematics courses, as follows:

### One of\*:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1140	Calculus I (Business Applications)	3 credits

### One of\*:

MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits

### One of\*:

MATH 2315	Probability and Statistics	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 2341	Introduction to Statistics for Business	3 credits

### All of:

MATH 2232	Linear Algebra	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits

15 credits from courses in MATH at the 3000 level or higher

\* Credit will not be granted for more than one of the courses in each group.

**Note:** Students planning to enter an Education program at another institution are advised to check the requirements of that institution, as additional credits may be required.

## CREDENTIAL AWARDED

Upon successful completion of the minor as part of a bachelor's degree program, transcripts will indicate a **Minor in Mathematics**.