

# WHICH MATH COURSES SHOULD I TAKE?



## **GRADE 9**

### **GRADE 9 ESSENTIALS MATH (MAT1LM1)**

- I need to review mathematical skills from previous grades.
- Not working at grade level
- My grade 8 teacher recommended me for this course.

### **GRADE 9 DESTREAMED MATH (MAT1LM1)**

- Working at grade level

## **GRADE 10**

### **GRADE 10 APPLIED (MFM2P1)**

- I have a credit in either grade 9 applied or grade 9 academic math.
- I prefer to be in a smaller class.
- I prefer hands-on math or I am thinking about taking grade 10 academic math but I would like more practice with my skills first.

### **GRADE 10 ACADEMIC (MPM2D1)**

- I have a credit in grade 9 academic math (level 3 (70-79%) or higher is recommended) or I have taken the transfer course after completing grade 9 applied math.
- I like to be challenged to think critically to solve problems in abstract as well as concrete situations.
- I am willing to do at least 30 minutes of math homework every day.

## **GRADE 11**

### **GRADE 11 MATH FOR EVERYDAY WORK AND LIFE (MEL3E1)**

- I have a credit in grade 9 applied math, grade 9 academic math, or grade 9 essentials math.
- I learn best when the topics deal with real everyday concepts that I need as an adult.
- I plan to go directly into the workplace, into an apprenticeship, or to college or university for a non-math related program.

### **GRADE 11 FOUNDATIONS FOR COLLEGE MATH (MBF3C1)**

- I have a credit in grade 10 applied math or grade 10 academic math.
- I plan to go directly into the workplace or into an apprenticeship, or I would like more practice before taking courses leading to math related programs at college or university.

### **GRADE 11 FUNCTIONS AND APPLICATIONS (MCF3M1)**

- I have a credit in grade 10 applied math (level 4 (80-100%) is recommended) or a credit in grade 10 academic math.
- I prefer hands-on learning to abstract reasoning.
- I plan to go directly into the workplace, an apprenticeship, to a college or to a university for a program that has a math prerequisite.
- (Note: If you plan to take more than one grade 12 university math course, you may want to take MCF3M in semester 1 and take MCT4C in semester 2 of your grade 11 year).

### **GRADE 11 FUNCTIONS (MCR3U1)**

- I have a credit in grade 10 academic math (level 3 (70-79%) or higher is recommended).
- I am willing to do at least 45 minutes of math homework every day.
- I plan to go to a college, or to a university for a program that has a math prerequisite. I will likely take more than one grade 12 math course.

## **GRADE 12**

### **GRADE 12 MATH FOR EVERYDAY WORK AND LIFE (MEL4E1)**

- I have a grade 11 math credit.
- I learn best when the topics deal with real everyday concepts that I need as an adult.
- I plan to go directly into the workplace or into an apprenticeship program after high school, or to go to college or university for a non-math related program.

### **GRADE 12 FOUNDATIONS FOR COLLEGE MATH (MAP4C1)**

- I have a credit in grade 11 Foundations for College, grade 11 Functions and Applications or grade 11 Functions.
- I plan to go to an apprenticeship, college program that requires this course.

### **GRADE 12 MATHEMATICS FOR COLLEGE TECHNOLOGY (MCT4C1)**

- I have a credit in grade 11 Functions and Applications or grade 11 Functions.
- I plan to go to an apprenticeship, college, or university program that requires this course.
- I might take Grade 12 Advanced Functions but I need this course as a prerequisite or I want more practice first.

### **GRADE 12 MATHEMATICS FOR DATA MANAGEMENT (MDM4U1)**

- I have a credit in grade 11 Functions and Applications or grade 11 Functions.
- I plan to go to a college or university program that requires this course.
- I enjoy working with computers, doing research, and making presentations.

### **GRADE 12 ADVANCED FUNCTIONS (MHF4U1)**

- I have a credit in grade 11 Functions (level 3 (70-79%) or higher is recommended) or grade 12 Mathematics for College Technology (level 4 (80-100%) is recommended).
- I plan to go to an university program that requires this course.
- I am willing to do at least one hour of math homework everyday.

**GRADE 12 CALCULUS AND VECTORS (MCV4U1)**

- I have a credit in grade 12 Advanced Functions (level 3 (70-79%) or higher is recommended)
- I plan to go to an university program that requires this course.
- I am willing to do at least one hour of math homework everyday.