

Ontario High School Graduation Requirements

- In Ontario, high school students need to satisfy certain credits to graduate:
<https://www.ontario.ca/page/high-school-graduation-requirements#17-compulsory-credits>
Among these,
- Students must take English in Grades 9, 10, 11, and 12 to graduate from high school.
- You must take Grades 9 and 10 Math. In addition, you must take one additional math course in Grades 11 or 12.
- Students must take Grades 9 and 10 Science. The Ontario curriculum says that you need 2 credits in science, thus Grades 9 and 10 Science is the expectation since it is unlikely students can take Science courses in Grades 11 and 12 without taking grades 9 and 10 Science.

Prerequisites

- Please note that if you want to take courses (e.g. Grade 12 physics), you must take Grade 11 physics. For Grade 12 Chemistry, you must have taken Grade 11 Chemistry, for Grade 12 Biology, you must have taken Grade 11 Biology, for taking Grade 12 Advanced Functions, you must have taken Grade 11 Functions, and for taking Grade 12 Vectors and Calculus, you must have taken Grade 12 Advanced Functions. This is important to understand your university admission requirements.

A) Course Requirements for Engineering and Business Schools Admission							
	Engineering (all Universities)	Queens (Smith) Commerce	Ivey at Western * (via BMOS)	U of T (Rothman) Commerce	York (Schulich) Commerce	McMaster (DeGroot) Commerce	Laurier (Lazaridis) Commerce
English (ENG4U)	Required	Required	Required	Required	Required	Required	Required
Advanced Functions (MHF4U)	Required	Required	Required	Required	Required	Required	Required
Calculus and Vectors (MCV4U)	Required	Required	MDM4U	Required	MCV4U or MDM4U Required	Required	MCV4U or MDM4U Required
Physics (SPH4U)	Required	Not required	Not required	Not required	Not Required	Not Required	Not Required
Chemistry (SCH4U)	Required	Not required	Not required	Not required	Not Required	Not Required	Not Required
Additional 4U or 4M courses	Yes: One course	Yes: Three courses	Yes: three courses	Yes: Three courses	Yes: Three courses	Yes: Three courses	Yes: Three courses

*** Notes to admission requirements to the Ivey Business School:** You cannot be accepted directly from Grade 12; however, you can get an early admission opportunity (AEO) from Ivey. That means, you need to apply to Western for the program of your choice for the first two years and take courses for the first two years in that program. If you maintain an average of 80% in the first two years and have an AEO, you will be admitted to Ivey in year 3. Thus, the admission criteria for Ivey HBA depends on your performance in the first two years at Western on a program you chose to join. The most common path to Ivey HBA is to apply to the Bachelor of Management & Organizational Studies (BMOS) program and study there for two years before transferring to Ivey. To get into BMOS, you need English (ENG4U), Advanced Functions, MHF4U, Math of Data Management, MDM4U, and 3 additional 4U/M courses

B) Course Requirements for Health and Medical Sciences Admission

	McMaster Health Sciences	Western Health Sciences	Western Medical Sciences	U of T Health Sciences	Queen's Health Sciences	University of Waterloo	U of Ottawa Health Sci
English (ENG4U)	Required	Required	Required	Required	Required	Required	ENG4U or FRA4U Required
Advanced Functions (MHF4U)/ Calculus and Vectors (MCV4U)/Math of Data Management (MDM4U)	One of MHF4U or MCV4U or MDM4U required	One of MHF4U, or MCV4U or MDM4U required	MHF4U and MCV4U Required	MHF4U and MCV4U Required	One of MHF4U, or MCV4U or MDM4U required	One of MHF4U, or MCV4U or MDM4U required	One of MHF4U, or MCV4U or MDM4U required
Biology (SBI4U)	Required	Required	Required	Required	Required	Required	Required
Chemistry (SCH4U)	Required	Not Required	Required	Required	Required	Required	Required
Physics (SPH4U)	Not Required	Not required	Highly recommended	Recommended	Not Required	Not Required	Not Required
Additional 4U or 4M courses	Yes: Two courses	Yes: Three courses	Yes: Two courses	None	Yes: Two courses	Yes: Two courses	Yes: Two courses

C) University Programs Requiring Prior University Study

If your goal is to study Law (to become a lawyer), Medicine (to become a medical doctor), Pharmacy (to become a pharmacist), or Education (to become a teacher), it is **not possible** to apply for these degree programs directly from high school. You must have another relevant undergraduate study before applying to these programs. Because of this, they are called **second entry programs**.

Second entry program name	Prior undergraduate study	Additional requirements	Comments
Law	You can apply to Law School with any prior undergraduate degree but Political Science, Philosophy, Writing/English are the most popular	LSAT (Law School Admission Test) result above 155 preferably above 160	There are 21 Law Schools in Canada and 8 of them are in Ontario
Medicine	Medical Sciences, Health Sciences, Engineering, Science	MCAT (Medical College Admission Test)	There are 17 Medical Schools in Canada and 6 of them are in Ontario
Pharmacy	Complete at least 2 years towards undergraduate degree in any Science (Chemistry, Health Sciences etc). Conditional Pre-Admission to Pharmacy (CAP) from high school is possible (e.g. Waterloo)	-	There are 11 Pharmacy Schools in Canada and 3 of them are in Ontario (Toronto, Ottawa Waterloo)
Education	Any	There are variations depending on your desired teacher level (elementary vs. high school)	-