## CANADIAN SECONDARY SCHOOL QUALIFICATIONS AND COURSE EQUIVALENTS

### Curriculum

Secondary School and Diploma must be recognized by the Provincial Ministry of Education.

### Admission Requirements

- **Ontario**
  - Secondary School Diploma with six subjects at the 4U/M level including English. The co-op component of Grade 12 courses will not be used for admission purposes.
  - English Calculus & Vectors
  - Advanced Functions
  - Biology
  - Chemistry
  - Physics

- **International Baccalaureate**
  - Complete Diploma including English. Please note that Math Studies is not acceptable for any program with a Math prerequisite.
  - English (HL or SL)
  - Mathematics HL or SL/Further Mathematics HL
  - Biology (HL or SL)
  - Chemistry (HL or SL)
  - Physics (HL or SL)

- **British Columbia & Yukon**
  - High School Diploma with six academic Grade 12 subjects, including English 12 or English 12 First Peoples. Provincial examinations are required for English 12 or English 12 First Peoples for BC students graduating in 2018 and 2019.
  - English 12 or English 12 First Peoples
  - Calculus 12 or Calculus AP (AB or BC)
  - Pre-Calculus 12/Principles of Math 12
  - Biology 12
  - Chemistry 12
  - Physics 12

- **Alberta & Northwest Terr.**
  - Alberta High School Diploma with five Grade 12 academic subjects numbered 30/31 including English Language Arts 30-1.
  - ELA 30-1
  - Math 31 or Calculus AP (AB or BC)
  - Math 30-1
  - Biology 30
  - Chemistry 30
  - Physics 30

- **Nunavut**
  - High School Diploma with five Grade 12 academic subjects numbered 30 including English Language Arts A30 + B30.
  - English A30 + English B30
  - Calculus 30 or Calculus AP (AB or BC)
  - Pre-Calculus 30
  - Biology 30
  - Chemistry 30
  - Physics 30

- **Saskatchewan**
  - High School Diploma with five Grade 12 academic subjects including English Language Arts A30 + B30.
  - English 12
  - Calculus 12 or Pre-Calculus 12† or AP Calculus
  - Advanced Math 12 or AP Calculus
  - Biology 12
  - Chemistry 12
  - Physics 12

- **Manitoba**
  - High School Diploma with five Grade 12 academic subjects including English 40S plus three additional 40S level subjects. The remaining credit must be 40S or 40G.
  - English 40S
  - Calculus AP (AB or BC)
  - Pre-Calculus
  - Biology 40S
  - Chemistry 40S
  - Physics 40S

- **Quebec:**
  - High School Diploma with six Grade 12 academic subjects including English.
  - English or English AP
  - Math AP (AB or BC)
  - Linear Algebra or MCV4U
  - Biology or SBI4U
  - Chemistry or SCH4U
  - Physics or SPH4U

- **Quebec: CEGEP**
  - High School Diploma with five Grade 12 academic subjects (university preparatory academic or advanced) including English.
  - 12 academic subjects including English/anglais (two terms). Students who have completed more than 12 academic subjects may receive transfer credit in arts, science, business/commerce programs. Those who have a complete DEC are likely to be admitted to second year unless entering Engineering. The Cote de Rendement (R Score) will be used for admission and scholarship purposes.
  - 2 semesters of English/anglais
  - Calculus 1 (Calculus 1 & 2 req’d for Engineering)
  - Linear Algebra 1
  - Biology 1
  - Chemistry 1 & 2
  - Physics 1 & 2

- **Nova Scotia**
  - High School Diploma with five Grade 12 academic subjects (university preparatory academic or advanced) including English.
  - English 12
  - Calculus 12 or Pre-Calculus 12† or AP Calculus
  - Advanced Math 12 or Math 12
  - Biology 12
  - Chemistry 12
  - Physics 12

- **New Brunswick**
  - High School Diploma with six Grade 12 academic subjects (college preparatory: 120, 121 or 122) including English.
  - English 120, 121 or 122
  - Calculus 120 or AP Calculus
  - Pre-Calculus A 120 + Pre-Calculus B 120
  - Biology 122
  - Chemistry 121 or 122
  - Physics 121 or 122

- **Prince Edward Island**
  - High School Diploma with five Grade 12 academic subjects (numbered 611 or 621) including English.
  - English 621
  - Math 611B or Calculus AP (AB or BC)
  - Math 621A or 621B
  - Biology 621
  - Chemistry 611 or 621
  - Physics 621

- **Newfoundland and Labrador**
  - High School Diploma with 10 academic credits at the 3000 level incl. English.
  - English 3201
  - Math 3208 or Calculus AP (AB or BC)
  - Math 3200
  - Biology 3201
  - Chemistry 3202
  - Physics 3204

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**Note:** Advanced Placement Examinations and International Baccalaureate credits are also acceptable. Transfer credit information is available at [future.utoronto.ca/transfercredit](http://future.utoronto.ca/transfercredit).  
† Math with calculus is preferred for studies in Engineering. If your school only offers pre-calculus or does not offer math with calculus, please contact the Faculty of Applied Science & Engineering directly at discover.engineering.utoronto.ca.