

# **B.Ed. in Teaching and Learning at the Secondary Level**

## **Program Overview (Mathematics)**

### **Overview of Total Program Credits**

In order to earn a Bachelor of Education in Teaching and Learning at the Secondary Level, students must complete a 150-credit program. Students entering with a DEC at a Quebec CEGEP will normally be awarded 30 advanced credits. Mature students and students transferring from another university may be awarded certain advanced credits. Students entering without a completed DEC at a Quebec CEGEP and without any advanced credits are required to earn a total of 30 elective credits in addition to the 120 credits plus labs listed below.

### **Foundational Courses (30 credits + 2 Labs)**

#### *Required Courses:*

EDU 102 Philosophy of Education  
EDU 108 Adolescence and Secondary School Teaching  
EDU 122 Using Technology to Support Learning  
EDU 203 Educational Psychology  
EDU 239 Teaching and Learning at the Secondary Level: Practice and Reflection  
EDU 305 Social Justice and Anti-Discrimination Education  
EDU 315 Applying the Psychology of Learning and Motivation to the Design of Learning Environments  
EDU 349 Professional Seminars Lab (1 credit)  
EDU 401 Quebec Education Policy and Law  
EDU 407 Individual Differences  
ILT 101 Information Literacy Critical Thinking Lab (1 credit)

#### *One of:*

EDU 204 Indigenous Education  
EDU 205 Education, Colonialism and De-Colonization  
EDU 211 Introduction to Young Adult Literature and Texts “Beyond the Canon”  
EDU 212 Mind, Brain, and Education  
EDU 218 History of Education  
EDU 220 Linguistic Diversity  
EDU 303 Sociology of Education  
SLP 399 Situated Learning and Praxis

### **Methods Courses (18 credits)**

EDU 339 Effective Teaching and Evaluation Methods I  
EDU 346 Methods in Teaching Mathematics, Science and Technology I  
EDU 410 Effective Teaching and Evaluation Methods II  
EDU 416 Methods in Teaching Mathematics, Science and Technology II  
EDU 420 Interdisciplinary Teaching and Integration of Learning at the Secondary Level (6 credits)

## **Practica (24 credits)**

EDU 129 Orientation to Professional Practice  
EDU 229 Reflective Practicum – Secondary  
EDU 329 Professional Practice (6 credits)  
EDU 429 Internship (12 credits)

## **Disciplinary Courses (48 credits + 6 prerequisite credits)**

*Students entering this profile must first complete or have credited the following prerequisites:*

MAT 191 Enriched Calculus I  
MAT 192 Enriched Calculus II

*Required Courses:*

MAT 108 Matrix Algebra  
MAT 110 Excursions in Modern Mathematics  
PHY 101 Statistical Methods in Experimental Sciences  
MAT 200 Introduction to Discrete Mathematics  
MAT 206 Advanced Calculus I  
MAT 207 Advanced Calculus II  
MAT 209 Linear Algebra

*Plus 12 credits in Mathematics at the 300 level*

*Plus 15 credits in Mathematics, of which three (3) credits must be at the 200 level or above*

## **Compulsory Language Requirement**

EDU 100 English Exam for Teacher Certification  
(P/F, students who do not pass will not be permitted to register in the third practicum)