

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 122 Using Technology to Support Learning
 EDU 203 Educational Psychology
 EDU 205 Education, Colonialism and De-Colonization
 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 211 Introduction to Young Adult Literature and Texts “Beyond the Canon”
 EDU 214 Gender and Sexuality in Education
 EDU 218 History of Education
 EDU 219 Getting dirty: Hands-on, experiential teaching and learning for elementary and secondary students
 EDU 220 Linguistic Diversity
 EDU 221 Methods in Plurilingual and Pluricultural Teaching and Learning
 EDU 285 The Reading Process
 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 (EETC)

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