

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

Program Overview (Mathematics Profile)

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 from 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 from 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 student

EDU 220 Linguistic Diversity

EDU 221 Methods in Plurilingual and Pluricultural Teaching and Learning

EDU 222 Teaching and Learning Online

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 Calculus I

MAT 192 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)