

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 240 Readings to Support Education Thinking
EDU 285 The Reading Process
EDU 303 Sociology of Education

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 Practicum I: Orientation to Professional Practice (Secondary)

EDU 229 Practicum II: Initiation to Working With and For Students (Secondary)

EDU 329 Practicum III: Professional Practice (Secondary) (6 credits)

EDU 429 Practicum IV: Internship (Secondary) (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 (21 credits)

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 fourth practicum)