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 Pluralicular 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 at the Secondary Level I
- EDU 410 Effective Teaching and Evaluation Methods II
- EDU 416 Methods in Teaching Mathematics, Science and Technology at the Secondary Level 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 + labs + 21 prerequisite credits)

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

- BIO 196 Introductory Biology I: Introduction to Cellular and Molecular Biology (with lab BIL 196)
- CHM 191 General Chemistry I (with lab CHL 191)
- CHM 192 General Chemistry II (with lab CHL 192)
- MAT 191 Calculus I
- MAT 192 Calculus II
- PHY 191 Introductory Physics I – Mechanics (with lab PHL 191)
- PHY 192 Introductory Physics II – Electricity and Magnetism (with lab PHL 192)

**Required Courses:**

- BIO 201 Cellular & Molecular Biology
- BIO 205 Diversity of Life I (with lab BIL 205)
- BIO 233 Human Anatomy
- CHM 121 Inorganic Chemistry I
- CHM 131 Physical Chemistry I
- CHM 141 Analytical Chemistry (with lab CHL 141)
- EDU 326 Engineering for Science and Technology Teachers
- ESG 100 Introduction to Environmental Studies
- ESG 127 Introduction to Physical Geography
- PHY 101 Statistical Methods in Experimental Sciences
- PHY 206 Waves and Optics (with lab PHL 206)
- PHY 207 Thermal and Fluid Physics
- PHY 208 Introduction to Mechanics
- PHY 214 Astronomy & Astrophysics

*Two of:*

- BCH 210 General Biochemistry
- BIO 206 Diversity of Life II (with lab BIL 206)
- BIO 207 Intro to Evolution and Ecology
- BIO 208 Genetics (with lab BIL 208)
- BIO 320 Programmed Cell Death
- BIO 327 Advanced Ecology
- BIO 329 Invertebrate Biology (with lab BIL 329)
- BIO 331 Freshwater Biology (with lab BIL 331)
- BIO 336 Animal Physiology I
- BIO 341 Population genetics and evolution
- BIO 349 Medical and Forensic Entomology
- BIO 354 Insect Biodiversity
- BIO 358 Animal Behaviour
- BIO 359 Human Genetics
- CHM 111 Organic Chemistry I (with lab CHL 111)
- CHM 211 Organic Chemistry II (with lab CHL 211)
- CHM 225 Inorganic Chemistry II (with lab CHL 225)
- CHM 231 Physical Chemistry II (with lab CHL 231)
- CS 201 Foundations of Computer Science (with lab CSL 201)
- ESG 226 Physical Oceanography
- ESG 227 Biogeochemical and Environmental Oceanography
- ESG 250 Geomorphology
- ESG 251 Biogeography
ESG 265 The Atmosphere and Weather
ESG 267 Global Environmental Change: a physical perspective
ESG 269 The Earth’s Crust
MAT 108 Matrix Algebra
MAT 200 Introduction to Discrete Mathematics

MAT 202 Modern Geometry: Euclidean to Fractal (with lab MAL 202)
MAT 206 Advanced Calculus I
MAT 209 Linear Algebra
PHY 273 Observational Astronomy I

**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)*