

Student Name: _____ Student Number: _____

Date Completed: _____ Credits to Complete: _____ Advanced Standing: _____

B.Ed. Secondary Science & Technology 2021-22(150 Credits)

Required Science Course (15 credits)

BIOL 206 Methods in Biology of Organisms
CHEM 281 Inorganic Chemistry 1
EDTL 520 Persp. on Knowledge in Math & Sci
EDTL 525 Teaching Science and Technology
MATH 203 Principles of Statistics 1

Core Complementary Science Courses (10 credits)

3 credits from:

BIOL 200 Molecular Biology
LSCI 202 Molecular Cell Biology

One of:

CHEM 203 Survey of Physical Chemistry
CHEM 213 Introductory Physical Chemistry 1:
Thermodynamics

One of:

CHEM 212 Introductory Organic Chemistry 1 (4 cr)
CHEM 232 Organic Chemistry Principles (4 cr)

Complementary Science Courses (27 credits)

A minimum of 9 credits must be 300+ level; courses chosen as follows, see revers for course lists.

3 cr Living World

3 cr Earth and Space

3 cr Environment

3 cr Technological World

3 cr from any compl. list

3 cr from any compl. list

3 cr from any compl. list except Tech

3 cr from any compl. list except Tech

3 cr from any compl. list except Living

Required Courses (60 credits)

EDEC 215 English Exam for Teacher Certification (0 cr)
EDPE 300 Educational Psychology
EDEC 233 Indigenous Education
EDEC 260 Philosophical Foundations
EDEC 201 First Year Professional Seminar (1 cr)
EDFE 200 First Field Experience (2 cr)
EDPI 341 Instruction in Inclusive Schools
EDEC 262 Media, Technology and Education
EDES 335 Teaching Secondary Science 1
EDPI 309 Diverse Learners
EDEC 254 Second Professional Seminar Secondary (1 cr)
EDFE 254 Second Field Experience Secondary
EDEC 351 Third Professional Seminar Secondary (2 cr)
EDES 350 Classroom Practices
EDFE 351 Third Field Experience Secondary (8 cr)
EDEC 247 Policy Issues in QC and Indigenous Ed.
EDEC 404 Fourth Professional Seminar Secondary
EDES 435 Teaching Secondary Science 2
EDFE 451 Fourth Field Experience Secondary (7 cr)
EDPE 304 Measurement and Evaluation

Complementary Courses (3 Credits)

3 credits from:

EDEC 248 Equity and Education
EDEC 249 Global Education and Social Justice

Elective Courses (6 Credits)

Freshman Courses (30 credits)

30 credits completed in UO / CEGEP / Advanced Standing

Students should choose complementary Science courses from the area in which they'd like to teach, where possible.

Complementary Science Courses List

For the full list of course titles, descriptions and prerequisites see the B.Ed. Secondary Science and Technology [eCalendar](#) entry.

Living World Complementary

Cell and Molecular Biology

BIOL 201 BIOL 300 BIOL 301 BIOL 313
BIOL 202

Human and Organismal Biology

BIOL 205 EDKP 395 NUTR 307 PHGY 210
EDKP 292 NUTR 207 PHGY 209

Populations, Ecosystems and Evolution

BIOL 215 BIOL 305 BIOL 331 ENVB 305
BIOL 240 BIOL 308 BIOL 352 EPSC 334
BIOL 304 BIOL 310

Environment Complementary

ENVR 200 ENVR 203 GEOG 200 GEOG 205
ENVR 201 ENVR 301 GEOG 203 GEOG 221

Technological World Complementary

COMP 102* COMP 206 COMP 364
COMP 202** COMP 280* MATH 204

* Students may take either COMP 102 or COMP 280 not both

**Credit will not be given for COMP 102 if taken concurrently with or after COMP 202

Earth and Space Complementary

ATOC 214 EPSC 201 EPSC 225 ESYS 300
ATOC 215 EPSC 203 EPSC 233 ESYS 301
ATOC 219 EPSC 210 EPSC 320 GEOG 272
ATOC 309 EPSC 212 EPSC 330 GEOG 321
ATOC 315 EPSC 220 EPSC 350 PHYS 214
ENVR 202 EPSC 221 ESYS 200

Material World Complementary

CHEM 222 MATH 222 PHYS 258 PHYS 342
CHEM 267 PHYS 224 PHYS 271 PHYS 432
CHEM 273 PHYS 230 PHYS 328 PHYS 434
CHEM 302 PHYS 232 PHYS 331 PHYS 439
CHEM 319 PHYS 241 PHYS 333 PHYS 446
CHEM 381 PHYS 242 PHYS 339 PHYS 447
CHEM 392 PHYS 257 PHYS 340