

Student Name: \_\_\_\_\_ Student Number: \_\_\_\_\_

Date Completed: \_\_\_\_\_ Credits to Complete: \_\_\_\_\_ Advanced Standing: \_\_\_\_\_

## **B.Ed. Secondary Science & Technology 2018-19 (150 Credits)**

### **Required Science Course (15 credits)**

- BIOL 206 Methods in Biology of Organisms
- CHEM 281 Inorganic Chemistry 1
- EDTL 520 Perspectives 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 complementary list
- 3 cr from any complementary list
- 3 cr from any complementary list except Tech
- 3 cr from any complementary list except Tech
- 3 cr from any complementary list except Living

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

### **Required Courses (57 credits)**

- EDEC 201 First Year Professional Seminar (1 cr)
- EDEC 215 English Exam for Teacher Certification (0 cr)
- EDEC 233 Indigenous Education
- EDEC 247 Policy Issues in Quebec Education
- EDEC 254 Second Professional Seminar (Secondary) (1 cr)
- EDEC 262 Media, Technology and Education
- EDEC 351 Third Professional Seminar (Secondary) (2 cr)
- EDEC 404 Fourth Professional Seminar (Secondary) (3 cr)
- EDES 335 Teaching Secondary Science 1
- EDES 350 Classroom Practices
- EDES 435 Teaching Secondary Science 2
- EDFE 200 First Field Experience (2 cr)
- EDFE 254 Second Field Experience (Secondary) (3 cr)
- EDFE 351 Third Field Experience (Secondary) (8 cr)
- EDFE 451 Fourth Field Experience (Secondary) (7 cr)
- EDPE 300 Educational Psychology
- EDPE 304 Measurement and Evaluation
- EDPI 309 Diverse Learners
- EDPI 341 Instruction in Inclusive Schools

### **Complementary Courses (6 Credits)**

3 credits from:

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

3 credits from:

- EDEC 260 Philosophical Foundations
- EDEC 261 Philosophy of Catholic Education

### **Elective Courses (6 Credits)**

- Elective
- Elective

### **Freshman Courses (30 credits)**

- 30 credits completed in UO / CEGEP / Advanced Standing


## Complementary Science Courses List

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

### 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