

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

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

Date Completed: \_\_\_\_\_

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

## B.Ed. Secondary Science and Technology 2016-17 (150 credits)

- Required Science Courses (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 (9 - 10 credits)**
- 3 credits from:**
- BIOL 200 Molecular Biology (3 cr)
  - LSCI 202 Molecular Cell Biology (3 cr)
- One of:**
- CHEM 203 Survey of Physical Chemistry (3 cr)
  - CHEM 223 Introductory Physical Chemistry 1 (2 cr)
- One of:**
- CHEM 212 Introductory Organic Chemistry (4 cr)
  - CHEM 232 Organic Chemistry Principles (4 cr)

- Complementary Science Courses (30 credits)**
- A minimum of 9 credits must be 300+ level
- Courses chosen as follows, see reverse for course lists:
- \_\_\_\_\_ 3 cr Living World
  - \_\_\_\_\_ 3 cr Earth and Space
  - \_\_\_\_\_ 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 (54 credits)**
- EDEC 215 English Exam for Teacher Certification (0 cr)
  - EDPE 300 Educational Psychology (3 cr)
  - EDEC 201 First Year Professional Seminar (1 cr)
  - EDFE 200 First Field Experience (2 cr)
  - EDEC 262 Media, Technology and Education (3 cr)
  - EDPI 341 Instruction in Inclusive Schools (3 cr)
  - EDPI 309 Diverse Learners (3 cr)
  - EDES 335 Teaching Secondary Science 1 (3 cr)
  - EDEC 254 Second Professional Seminar Secondary (1 cr)
  - EDFE 254 Second Field Experience Secondary (3 cr)
  - EDES 350 Classroom Practices Secondary (3 cr)
  - EDEC 351 Third Professional Seminar Secondary (2 cr)
  - EDFE 351 Third Field Experience Secondary (8 cr)
  - EDEC 247 Policy Issues in Quebec Education (3 cr)
  - EDEC 404 Fourth Year Professional Seminar Secondary (3 cr)
  - EDES 435 Teaching Secondary Science 2 (3 cr)
  - EDFE 451 Fourth Field Experience Secondary (7 cr)
  - EDPE 304 Measurement and Evaluation (3 cr)

- Complementary Courses (6 credits)**
- 3 credits from:**
- EDEC 233 First Nations and Inuit Education
  - 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 Credits / CEGEP (30 credits)**

30 cr completed in U0 / CEGEP / Advanced Standing

## Complementary Science Course Lists

For the full list of course titles, descriptions and prerequisites, see the BEd Secondary Science and Technology calendar entry:

<http://www.mcgill.ca/study/2016-2017/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-science-and-technology>

### 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	CHEM 381	PHYS 257	PHYS 340
CHEM 243	CHEM 392	PHYS 258	PHYS 342
CHEM 253	MATH 222	PHYS 271	PHYS 432
CHEM 263	PHYS 224	PHYS 328	PHYS 434
CHEM 287*	PHYS 230	PHYS 331	PHYS 436
CHEM 297*	PHYS 232	PHYS 333	PHYS 439
CHEM 302	PHYS 241	PHYS 339	PHYS 446
CHEM 319	PHYS 242		

\*If CHEM 287 is taken, CHEM 297 must also be taken