

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

Bachelor of Education Secondary Science and Technology



4-Year Program Overview Admitted - Fall 2018

Year 1 - Fall	Year 2 - Fall	Year 3 - Fall	Year 4 - Fall
EDEC 215 English Exam for Teach Cert (0 cr)	EDPI 341 Instruction in Inclusive Schools	EDEC 351 Third Professional Seminar (2 cr)	EDEC 247 Policy Issues in QC Education
EDPE 300 Educational Psychology	EDEC 262 Media, Technology & Education	EDES 350 Classroom Practices	EDTL 520 Perspec. on Knowledge in Mth/Sc
Subject Area Course	Subject Area Course	**EDFE 351 Third Field Experience (8 cr)	Subject Area Course
Subject Area Course	Subject Area Course		Elective
Subject Area Course	Subject Area Course		
<i>one of:</i>			
EDEC 248 Equity and Education			
EDEC 249 Global Ed. & Social Justice			
15 credits total	15 credits total	13 credits total	12 credits total
Year 1 - Winter	Year 2 - Winter	Year 3 - Winter	Year 4 - Winter
EDEC 233 Indigenous Education	*EDES 335 Teaching Secondary Science 1	EDTL 525 Teaching Science and Technology	EDEC 404 Fourth Year Profes. Seminar
Subject Area Course	EDPI 309 Diverse Learners	Subject Area Course	EDES 435 Teaching Secondary Science 2
Subject Area Course	Subject Area Course	Subject Area Course	EDFE 451 Fourth Field Experience (7 cr)
Subject Area Course	Subject Area Course	Subject Area Course	^ EDPE 304 Measurement & Evaluation
<i>one of:</i>		Elective	
EDEC 260 Phil. Foundations			
EDEC 261 Phil. of Catholic Ed.			
15 credits total	12 credits total	15 credits total	16 credits total
Year 1 - Spring	Year 2 - Spring	<p>* Prereq: 18 credits of university Science courses at or above the 200 level. **Prereq: 24 credits of university Science courses at or above the 200 level. ^ Can be completed fall or winter U4 one of: depending on availability</p>	
EDEC 201 First Professional Seminar (1 cr)	EDEC 254 Second Professional Seminar (1 cr)		
EDFE 200 First Field Experience (2 cr)	EDFE 254 Second Field Experience		
3 credits total	4 credits total		

For complete course listing, course descriptions and prerequisites, see the calendar:

<http://www.mcgill.ca/study/2018-2019/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-science-and-technology>



Bachelor of Education Secondary Science and Technology



2-Year Program Overview Admitted - Fall 2018

Year 3 - Fall		Year 4 - Fall	
EDEC 215	English Exam for Teacher Certification (0 cr)	EDEC 351	Third Professional Seminar (2 cr)
EDEC 201	First Year Professional Seminar (1 cr)	EDES 350	Classroom Practices
EDEC 247	Policy Issues in Quebec Education	** EDFE 351	Third Field Experience (8 cr)
EDFE 200	First Field Experience (2 cr)		
EDPE 300	Educational Psychology		
EDPI 341	Instruction in Inclusive Schools		
<i>one of:</i>			
EDEC 248	Equity and Education		
EDEC 249	Global Ed. & Social Justice		
	15 credits total		13 credits total
Year 3 - Winter		Year 4 - Winter	
EDEC 233	Indigenous Education	EDEC 404	Fourth Year Professional Seminar
EDEC 262	Media, Technology & Education	EDES 435	Teaching Secondary Science 2
*EDES 335	Teaching Secondary Science 1	EDFE 451	Fourth Field Experience (7 cr)
EDPI 309	Diverse Learners	EDPE 304	Measurement & Evaluation
<i>one of:</i>			
EDEC 260	Philosophical Foundations		
EDEC 261	Philosophy of Catholic Education		
	15 credits total		16 credits total
Year 3 - Spring		<p>* Prereq: 18 credits of university Science courses at or above the 200 level.</p> <p>**Prereq: 24 credits of university Science courses at or above the 200 level.</p> <p>one of: depending on availability</p>	
EDEC 254	Second Professional Seminar (1 cr)		
EDFE 254	Second Field Experience		
	4 credits total		



For complete course listing, course descriptions and prerequisites, see the calendar:

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