

Student Name: _____

Student Number: _____

Date Completed: _____

Credits to Complete: _____ Advanced Standing: _____

B.Ed. Secondary Science and Technology 2017-18 (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

LSCI 202 Molecular Cell Biology

One of:

CHEM 203 Survey of Physical Chemistry

CHEM 223 Introductory Physical Chemistry 1 (2 cr)

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 reverse 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 215 English Exam for Teacher Certification (0 cr)

EDPE 300 Educational Psychology

EDEC 201 First Year Professional Seminar (1 cr)

EDFE 200 First Field Experience (2 cr)

EDEC 262 Media, Technology and Education

EDEC 233 Indigenous Education

EDPI 341 Instruction in Inclusive Schools

EDPI 309 Diverse Learners

EDES 335 Teaching Secondary Science 1

EDEC 254 Second Professional Seminar Secondary (1 cr)

EDFE 254 Second Field Experience Secondary

EDES 350 Classroom Practices

EDEC 351 Third Professional Seminar Secondary (2 cr)

EDFE 351 Third Field Experience Secondary (8 cr)

EDEC 247 Policy Issues in Quebec Education

EDEC 404 Fourth Year Professional Seminar Secondary

EDES 435 Teaching Secondary Science 2

EDFE 451 Fourth Field Experience Secondary (7 cr)

EDPE 304 Measurement and Evaluation

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 Credits / CEGEP (30 credits)

30 cr completed in U0 / CEGEP / Advanced Standing

 McGill

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/2017-2018/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-science-and->

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 392	PHYS 258	PHYS 342
CHEM 243	MATH 222	PHYS 271	PHYS 432
CHEM 253	PHYS 224	PHYS 328	PHYS 434
CHEM 263	PHYS 230	PHYS 331	PHYS 439
CHEM 267	PHYS 232	PHYS 333	PHYS 446
CHEM 302	PHYS 241	PHYS 339	PHYS 447
CHEM 319	PHYS 242	PHYS 340	
CHEM 381	PHYS 257		

Bachelor of Education Secondary Science and Technology



4-Year Program Overview Admitted - Fall 2017

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/2017-2018/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-science-and-technology>

Bachelor of Education Secondary Science and Technology



2-Year Program Overview Admitted - Fall 2017

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><i>one of:</i> 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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