Student Name:

Student ID:

Date:

Credits to Complete:

Advanced Standing:

Bachelor of Education - Secondary Mathematics

4-Year Program Overview

Admitted - Fall 2022

McGill | Department of Integrated Studies in Education

√ Year 1 - Fall	√ Year 2 - Fall	√ Year 3 - Fall	√ Year 4 - Fall
EDEC 215 English Exam for Teach. Cert. (0 cr) EDPE 300 Educational Psychology Subject Area Course Subject Area Course Subject Area Course one of: EDEC 248 Equity and Education EDEC 249 Global Ed. & Social Justice **15 credits**	EDPI 341 Instruction in Inclusive Schools EDEC 262 Media, Technology and Education Subject Area Course Subject Area Course Subject Area Course **15 credits**	EDEC 351 Third Year Profess. Seminar (2 cr) EDES 350 Classroom Practices **EDFE 351 Third Field Experience (8 cr) C: EDEC 351, EDES 350, EDFE 351 **13 credits**	EDEC 247 Policy Issues in QC and Indig. Ed. Subject Area Course Subject Area Course Elective **12 credits**

√ Year 1 - Winter	√ Year 2 - Winter	√ Year 3 - Winter	√ Year 4 - Winter
EDEE 233 Indigenous Education EDEC 260 Phil. Foundations Subject Area Course Subject Area Course Subject Area Course **15 credits**	*EDES 344 Teaching Secondary Math 1 EDPI 309 Diverse Learners Subject Area Course Subject Area Course **12 credits**	Subject Area Course Subject Area Course Subject Area Course Subject Area Course Elective or Methods III (option) **15 credits**	EDEC 404 Fourth Professional Seminar EDFE 451 Fourth Field Experience (7 cr) EDES 453 Teaching Secondary Math 2 ^EDPE 304 Measurement & Evaluation C: EDFE 404/EDSL 451 **16 credits**

√ Year 1 - Spring	√ Year 2 - Spring		
EDEC 201 First Year Professional Seminar (1 cr) EDFE 200 First Field Experience (2 cr) C: EDEC 201/EDFE 200 **3 credits**	EDEC 254 Second Prof. Sem. (1 cr) EDFE 254 Second Field Experience C: EDSL 254/EDFE 254 **4 credits**	*Prerequisite: 18 cr of university MATH courses at or above the 200 level. **Prerequisite: 24 cr of university MATH courses at or above the 200 level. ^ Can be completed fall or winter U4 one of: depending on availability EDEC 215: special registration dates apply and are communicated via email to students each term the exam is offered	

For complete course listings, course descriptions and prerequisites, see the eCalendar:
www.mcgill.ca/x/3kq

Freshman Courses (30 credits)	Elective courses (6 credits)	Notes
30 credits completed in U0 / CEGEP / Advanced Standing		

Complementary Mathematics Courses (30 or 15 credits)

MATH 235	Algebra 1
MATH 242	Analysis 1

Should be taken in Year 1 or Year 2

Complete 27 credits from below without an
unofficial second teachable subject OR 12 credits
with a 15 credit unofficial second teachable subject

COMP 202	Foundations of Programming
COMP 230	Logic and Computability
EDTL 520	Pers. on Knowledge in Math & Sci
MATH 235	Algebra 1
MATH 236	Algebra 2
MATH 242	Analysis 1
MATH 243	Analysis 2
MATH 314	Advanced Calculus
MATH 316	Complex Variables
MATH 317	Numerical Analysis
MATH 318	Mathematical Logic**
MATH 319	Introduction to Partial Diff. Equations
MATH 326	Nonlinear Dynamics and Chaos
MATH 327	Matrix Numerical Analysis
MATH 329	Theory of Interest
MATH 340	Discrete Structures 2
MATH 346	Number Theory
MATH 348	Euclidean Geometry
MATH 417	Linear Optimization
MATH 423	Regression and Analysis of Variance
MATH 447	Introduction to Stochastic Processes
MATH 523	Generalized Linear Models (4 cr)
MATH 524	Nonparametric Statistics (4 cr)
MATH 525	Sampling Theory & Applications (4 cr)
PHIL 210	Introduction to Deductive Logic 1**

Required Mathematics Subject Area Courses (21 credits)

MATH 222	Calculus 3
MATH 223	Linear Algebra
MATH 228	Classical Geometry
MATH 315	Ordinary Differential Equations
MATH 323	Probability
MATH 324	Statistics
MATH 338	History and Philosophy of Math

You may choose between the following areas:
English, History & Citizenship, Geography, Ethics
and Religious Culture, Biology, Chemistry and
Physics. Courses are taken from the lists, with
approval from the Advisor.

Official Second Teachable Subject Coruses (15 credits)
*Complete if only 15 cr Of Complementary Math
courses taken*

See details on Unofficial Second Teachable options

Ethics and Religious Culture

6 credits from:

EDER 309	The Religious Quest
RELG 204	Judaism, Christianity and Islam
RELG 207	Introduction to the Study of Religions
RELG 309	World Religions & Cultures they Create
RELG 252	Hinduism and Buddhism

6 credits from:

EDER 209	Search for Authenticity
EDER 395	Moral Values and Human Action
EDER 461	Society and Change
EDER 473	Living with Insight
EDER 494	Human Rights & Ethics in Practice
PHIL 230	Introduction to Moral Philosophy 1
PHIL 237	Contemporary Moral Issues

6 credits from:

CATH 200	Introduction to Catholicism
EDER 252	Understanding and Teaching Jewish Life
EDER 319	Teaching the Holocaust
EDER 394	Philosophy of God
RELG 270	Religious Ethics and the Environment

Geography Second Teachable
(In addition, students may refer to the B.A. minor in Geography for additional courses they may
take, with approval from advisor)

18 credits from:

ENVR 202	The Evolving Earth	GEOG 272	Earth's Changing Surface
GEOG 200	Geo. Perspectives: World Envr Problems	GEOG 301	Geography of Nunavut
GEOG 205	Global Change: Past, Present and Future	GEOG 309	Geography of Canada
GEOG 210	Global Places and Peoples	GEOG 311	Economic Geography
GEOG 216	Geography of the World Economy	GEOG 311	Economic Geography
GEOG 217	Cities in the Modern World	GEOG 331	Urban Social Geography
GEOG 272	Earth's Changing Surface		

History & Citizenship
Choose 15 credits of HIST subject
courses at the 200 level or higher
Recommended Methods Course: EDES 334

Biology
Choose 15 credits of BIOL subject
courses at the 200 level or higher
Recommended Methods Course: EDES 335

Chemistry
Choose 15 credits of CHEM subject
courses at the 200 level or higher
Recommended Methods Course: EDES 335

Physics
Choose 15 credits of PHYS subject
courses at the 200 level or higher
Recommended Methods Course: EDES 335