

Student Name: _____ Student Number: _____

Date Completed: _____ Credits to Complete: _____ Advanced Standing: _____

B.Ed Secondary Mathematics 2021-22(150 Credits)

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 Mathematics

Complementary Mathematics Courses (30 or 15 credits)

3 credits from:

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 Perspectives 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 Differential 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**

***Students cannot receive credit for both*

Required Courses (60 credits)

EDEC 215 English Exam for Teacher Certification
EDPE 300 Educational Psychology
EDEC 233 Indigenous Education
EDEC 260 Philosophical Foundations
EDEC 201 First Year Professional Seminar (1 cr)
EDFE 200 First Field Experience (2 cr)
EDPI 341 Instruction in Inclusive Schools
EDEC 262 Media, Technology and Education
EDES 353 Teaching Secondary Mathematics 1
EDPI 309 Diverse Learners
EDEC 254 Second Professional Sem. Sec. (1 cr)
EDFE 254 Second Field Experience Secondary
EDEC 351 Third Professional Sem. Secondary (2 cr)
EDES 350 Classroom Practices
EDFE 351 Third Field Experience Secondary (8 cr)
EDEC 247 Policy Issues in QC and Indigenous Ed.
EDEC 404 Fourth Professional Seminar Secondary
EDES 453 Teaching Secondary Mathematics 2
EDFE 451 Fourth Field Experience Secondary (7 cr)
EDPE 304 Measurement and Evaluation

Complementary Education Courses (3 Credits)

3 credits from:

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

Elective Courses (6 Credits)

EDER 372, EDES 334, EDES 335 OR EDES 361

Freshman Courses (30 credits)

30 credits completed in U0 / CEGEP / Advanced Standing

Unofficial Second Teachable Subject Courses (15 credits)

Complete if only 15 cr of Complementary Math courses taken

See back side for details on Unofficial Second Teachable options.

Unofficial Second Teachable Subject Areas

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

English

- EDES 366 Literature for Young Adults
- 3 credits from:
- CEAP 250 Research Essay & Rhetoric
 - EDEC 201 Communication in Education
 - EDSL 305 L2 Learning Classroom Sessions
 - EDSL 350 Essentials of English Grammar
 - LING 200 Introduction to the Study of Language
 - LING 201 Introduction to Linguistics
 - LING 355 Language Acquisition 1

And 9 credits as follows from the [English Department website](#) with a minimum of 6 credits at the 300 level or higher

- 6 credits of Literature
- 3 credits of Cultural Studies

OR

- 3 credits of Drama/Theatre

Recommended Method's Course: EDES 361

Geography

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

Recommended Method's Course: EDES 334

History & Citizenship

Choose 15 credits of HIST subject courses at the 200 level or higher

Recommended Methods Course: EDES 334

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

9 credits from:

- CATH 200 Introduction to Catholicism
- EDER 209 Search for Authenticity
- EDER 252 Understanding and Teaching Jewish Life
- EDER 319 Teaching the Holocaust
- EDER 394 Philosophy of God
- 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
- RELG 270 Religious Ethics and the Environment

Recommended Method's Course: EDER 372

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