Student Name: _____ Student Number: _____

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

B.Ed. Secondary Mathematics 2014-15 (150 credits)

Required Mathematics Subject Area Courses (27 credits)

- ☐ MATH 222 Calculus 3
- ☐ MATH 223 Linear Algebra
- ☐ MATH 235 Algebra 1
- ☐ MATH 242 Analysis 1
- ☐ MATH 315 Ordinary Differential Equations
- ☐ MATH 323 Probability
- ☐ MATH 324 Statistics
- ☐ MATH 338 History and Philosophy of Mathematics
- ☐ MATH 348 Topics in Geometry

Complementary Mathematics Courses (27 or 9 credits)

Complete either 27 cr without a second teachable subject area
or 9 cr, and complete 18 cr in a second teachable subject

- ☐ COMP 202 Foundations of Programming
- ☐ COMP 230 Logic and Computability
- ☐ EDTL 520 Perspectives on Knowledge in Math and Sci
- ☐ MATH 236 Algebra 2
- ☐ 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 417 Mathematical Programming
- ☐ 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 and Applications (4 cr)

Second Teachable Subject Area Courses (18 credits)

Complete if only 9 cr of complementary math courses taken

- ☐ second teachable _____
- ☐ second teachable _____
- ☐ second teachable _____
- ☐ second teachable _____
- ☐ second teachable _____
- ☐ second teachable _____

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
- ☐ EDPI 341 Instruction in Inclusive Schools (3 cr)
- ☐ EDES 353 Teaching Secondary Mathematics 1 (3 cr)
- ☐ EDPI 309 Diverse Learners (3 cr)
- ☐ EDEC 254 Second Professional Seminar Secondary (1 cr)
- ☐ EDFE 254 Second Field Experience Secondary (3 cr)
- ☐ EDEC 351 Third Professional Seminar Secondary (2 cr)
- ☐ EDES 350 Classroom Practices Secondary (3 cr)
- ☐ EDFE 351 Third Field Experience Secondary (8 cr)
- ☐ EDEC 247 Policy Issues in Quebec Education (3 cr)
- ☐ EDEC 404 Fourth Year Professional Seminar (Sec) (3 cr)
- ☐ EDES 453 Teaching Secondary Mathematics 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 Multicultural 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 _____
- ☐ EDES 334, EDER 372, EDES 335 or EDES 361

If second teachable chosen, we strongly recommend one of these electives be taken in the related methods course

Freshman Credits / CEGEP (30 credits)

☐ *30 cr completed in U0 / CEGEP / Advanced Standing*

See the back side for details on Second Teachable options.

Second Teachable Subject Areas

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

English

EDES 366 Literature for Young Adults

3 credits from:

- CEAP 250 Research Essay & Rhetoric
- EDEC 203 Communication in Education
- EDSL 305 L2 Learning: Classroom Settings
- 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 12 credits as follows, from the English dept website:
www.mcgill.ca/english/undergrad/complementary-courses/
with a minimum of 6 credits at the 300 level or higher:

- 6 credits of Literature
- 3 credits of Cultural Studies
- 3 credits of Drama / Theatre

Recommended Methods Course: EDES 361

Geography

18 credits from:

- ENVR 202 The Evolving Earth
- GEOG 200 Geographical Perspectives: World Envr
- GEOG 205 Global Change: Past, Present and 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 Methods Course: EDES 334

History & Citizenship

Choose 18 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 The Study of World Religons 1
- 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 Ethics and Practice
- PHIL 230 Introduction to Moral Philosophy 1
- PHIL 237 Contemporary Moral Issues

and 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

Recommended Methods Course: EDER 372

Biology

Choose 18 credits of BIOL subject courses at the 200 level or higher.

Recommended Methods Course: EDES 335

Chemistry

Choose 18 credits of CHEM subject courses at the 200 level or higher.

Recommended Methods Course: EDES 335

Physics

Choose 18 credits of PHYS subject courses at the 200 level or higher.

Recommended Methods Course: EDES 335