

Student Name:

Student ID:

Date:

Credits to Complete:

Advanced Standing:

Bachelor of Education - Secondary Mathematics



4-Year Program Overview

Admitted - Fall 2022

Year 1 - Fall	Year 2 - Fall	Year 3 - Fall	Year 4 - Fall
<p>✓</p> <p>EDEC 215 English Exam for Teach. Cert. (0 cr) EDPE 300 Educational Psychology Subject Area Course Subject Area Course Subject Area Course</p> <p>one of: EDEC 248 Equity and Education EDEC 249 Global Ed. & Social Justice</p> <p style="text-align: right;">15 credits</p>	<p>✓</p> <p>EDPI 341 Instruction in Inclusive Schools EDEC 262 Media, Technology and Education Subject Area Course Subject Area Course Subject Area Course</p> <p style="text-align: right;">15 credits</p>	<p>✓</p> <p>EDEC 351 Third Year Profess. Seminar (2 cr) EDES 350 Classroom Practices **EDFE 351 Third Field Experience (8 cr)</p> <p style="text-align: right;">13 credits</p> <p style="color: red; font-size: small;">C: EDEC 351, EDES 350, EDFE 351</p>	<p>✓</p> <p>EDEC 247 Policy Issues in QC and Indig. Ed. Subject Area Course Subject Area Course Elective</p> <p style="text-align: right;">12 credits</p>
Year 1 - Winter	Year 2 - Winter	Year 3 - Winter	Year 4 - Winter
<p>✓</p> <p>EDEE 233 Indigenous Education EDEC 260 Phil. Foundations Subject Area Course Subject Area Course Subject Area Course</p> <p style="text-align: right;">15 credits</p>	<p>✓</p> <p>*EDES 344 Teaching Secondary Math 1 EDPI 309 Diverse Learners Subject Area Course Subject Area Course</p> <p style="text-align: right;">12 credits</p>	<p>✓</p> <p>Subject Area Course Subject Area Course Subject Area Course Subject Area Course Elective or Methods III (option)</p> <p style="text-align: right;">15 credits</p>	<p>✓</p> <p>EDEC 404 Fourth Professional Seminar EDFE 451 Fourth Field Experience (7 cr) EDES 453 Teaching Secondary Math 2 ^EDPE 304 Measurement & Evaluation</p> <p style="text-align: right;">16 credits</p> <p style="color: red; font-size: small;">C: EDFE 404/EDSL 451</p>
Year 1 - Spring	Year 2 - Spring		
<p>✓</p> <p>EDEC 201 First Year Professional Seminar (1 cr) EDFE 200 First Field Experience (2 cr)</p> <p style="text-align: right;">3 credits</p> <p style="color: red; font-size: small;">C: EDEC 201/EDFE 200</p>	<p>✓</p> <p>EDEC 254 Second Prof. Sem. (1 cr) EDFE 254 Second Field Experience</p> <p style="text-align: right;">4 credits</p> <p style="color: red; font-size: small;">C: EDSL 254/EDFE 254</p>	<p>*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</p>	

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

Freshman Courses (30 credits) 30 credits completed in U0 / CEGEP / Advanced Standing	Elective courses (6 credits)	Notes																													
<p>Complementary Mathematics Courses (30 or 15 credits) MATH 235 Algebra 1 MATH 242 Analysis 1 <i>Should be taken in Year 1 or Year 2</i></p> <p>Complete 27 credits from below without an unofficial second teachable subject OR 12 credits with a 15 credit unofficial second teachable subject</p> <p>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**</p>	<p>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</p> <p>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.</p> <p>Official Second Teachable Subject Courses (15 credits) <i>Complete if only 15 cr Of Complementary Math courses taken</i></p> <p><i>See details on Unofficial Second Teachable options</i></p>	<p>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</p> <p>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</p> <p>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</p> <p>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)</p> <p>18 credits from:</p> <table border="0"> <tr> <td>ENVR 202</td> <td>The Evolving Earth</td> <td>GEOG 272</td> <td>Earth's Changing Surface</td> </tr> <tr> <td>GEOG 200</td> <td>Geo. Perspectives: World Envr Problems</td> <td>GEOG 301</td> <td>Geography of Nunavut</td> </tr> <tr> <td>GEOG 205</td> <td>Global Change: Past, Present and Future</td> <td>GEOG 309</td> <td>Geography of Canada</td> </tr> <tr> <td>GEOG 210</td> <td>Global Places and Peoples</td> <td>GEOG 311</td> <td>Economic Geography</td> </tr> <tr> <td>GEOG 216</td> <td>Geography of the World Economy</td> <td>GEOG 311</td> <td>Economic Geography</td> </tr> <tr> <td>GEOG 217</td> <td>Cities in the Modern World</td> <td>GEOG 331</td> <td>Urban Social Geography</td> </tr> <tr> <td>GEOG 272</td> <td>Earth's Changing Surface</td> <td></td> <td></td> </tr> </table>	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			<p>History & Citizenship Choose 15 credits of HIST subject courses at the 200 level or higher <i>Recommended Methods Course: EDES 334</i></p> <p>Biology Choose 15 credits of BIOL subject courses at the 200 level or higher <i>Recommended Methods Course: EDES 335</i></p> <p>Chemistry Choose 15 credits of CHEM subject courses at the 200 level or higher <i>Recommended Methods Course: EDES 335</i></p> <p>Physics Choose 15 credits of PHYS subject courses at the 200 level or higher <i>Recommended Methods Course: EDES 335</i></p>
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