

**BEd SECONDARY - MATHEMATICS SPECIALIZATION: DEGREE REQUIREMENTS FOR 2020-2021**  
**PROGRAM MINIMUM TOTAL CREDITS REQUIRED: 120 / MINIMUM CGPA FOR CONFERRAL: 2.50**

	CR REQ	CRS PFX	CRS #	GR	CR		CR REQ	CRS PFX	CRS #	GR	CR
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PROFESSIONAL EDUCATION REQUIREMENTS - MINIMUM GRADE: C					
<b>BASIC EDUCATION</b>					
Philosophy of Education	3	EDFO	304		
Multicultural Education	3	EDFO	305		
Technology Skills for Educators	3	EDIT	250		
Orientation to Teaching	3	EDPR	285		
BEd Practicum I - Secondary	6	EDPR	388		
BEd Practicum II - Secondary	6	EDPR	489		
Theories of Development and Learning	3	EDPS	265		
Educational Measurements	3	EDPS	342		
Classroom Mgmt. & Educational Administration	3	EDPS	450		
<b>CURRICULUM AND INSTRUCTION</b>					
Instructional Techniques in Secondary Schools	3	EDCI	328		
Inclusive Education	3	EDCI	403		
C&I in Secondary School Mathematics & Science	3	EDCI	468		
C&I in Secondary School content (Minor***)	3	EDCI	4__		
Reading & Writing Skills in the Content Areas	3	EDCI	470		
<b>TOTAL</b>	<b>48</b>				

SPECIALIZATION REQUIREMENTS - MINIMUM GRADE: C					
Elementary Calculus I	3	MATH	161		
Elementary Calculus II	3	MATH	162		
Intro to Linear Algebra	3	MATH	230		
Intermediate Calculus I	3	MATH	261		
Intermediate Calculus II	3	MATH	262		
Probability & Statistics	3	MATH	340		
Intro to Univ. Chem. I	3	CHEM	111		
Intro to Univ. Chem. II	3	CHEM	112		
General Physics I	3	PHYS	111		
General Physics II	3	PHYS	112		
<b>2 courses &gt;199 in: CHEM, MATH, PHYS</b>	<b>6</b>				
1)					
2)					
<b>TOTAL</b>	<b>36</b>				

BREADTH REQUIREMENTS - MINIMUM GRADE: D					
<b>RELIGIOUS STUDIES</b>					
	9				
RELB course		RELB			
RELB, RELG, RELH, RELT course*		REL_			
RELB, RELG, RELH, RELT course*		REL_			
<i>(not RELB 201/202/351/352/445/455, RELH 315 or RELT 130)</i>					
<b>ENGLISH</b>					
	6				
One of: ENGL 201, 202, 203		ENGL			
1 ENGL course >199		ENGL			
<b>HEALTH from the following:</b>					
	3				
OPAT/PEAC/PETH 250** course(s) (1.5-3)					
1)					
2)					
<b>TOTAL</b>	<b>18</b>				

MINOR - MINIMUM GRADE: C					
<b>TOTAL</b>	<b>18</b>				

\* All four-year BEd degree candidates are required to complete at least three credits of RELB, and six credits of RELB, RELG, RELH, or RELT. EDCI 315 and RELH 315 are additionally required for SDA Teacher Certification.

EDCI 315, RELB 201/202,/351/352/445/455, RELH 315 or RELT 130 are not applicable to meet Alberta Teacher Certification requirements. Candidates seeking additional SDA Certification must choose to take EDCI 315 and RELH 315, for a total of six additional credits beyond the 120 credits required for the degree.

\*\* PETH 250 is required for SDA Teacher Certification.

\*\*\* If the Specialization and Minor both required the same methods course, an alternate EDCI 4XX C&I Secondary School methods course must be chosen in the fall of Year 3.

**EDUCATION**

# EDUCATION

## SECONDARY EDUCATION TRACK

### MATHEMATICS SPECIALIZATION

The Secondary Education Track recognizes the need for secondary school teachers to have a strong professional education component and to be knowledgeable in more than one subject area. Candidates enrolled in the Secondary Education Track will complete coursework in two content areas—a Specialization and a BEd Minor.

Because of the careful sequencing of courses in the Bachelor of Education degree, candidates should note the Admission Policy for the School of Education.

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### RECOMMENDED COURSE SEQUENCE

#### BEd - MATHEMATICS SPECIALIZATION

PR	Year 1, Fall	Cr	PR	Year 1, Winter	Cr
SP	MATH 161	3	PF	EDPR 285**	3
SP	MATH 230 (Even Fall)	3	SP	MATH 162	3
SP	PHYS 111	3	SP	PHYS 111	3
BR	ENGL 201/202/203	3	BR	RELB/RELG/RELH/ RELT*	3
MI	Minor content	3	MI	Minor content	3
		<b>15</b>			<b>15</b>

Must meet program minimum CGPA (2.50) & achieve "C" or better in EDXX courses taken.

PR	Year 2, Fall	Cr	PR	Year 2, Winter	Cr
PF	EDIT 250	3	PF	EDCI 328	3
PF	EDPS 265	3	PF	EDPS 342	3
SP	MATH 261	3	SP	MATH 262	3
SP	CHEM 111	3	SP	CHEM 112	3
MI	Minor content	3	MI	Minor content	3
		<b>15</b>			<b>15</b>

BEd Admission Required

PR	Year 3, Fall	Cr	PR	Year 3, Winter	Cr
PF	EDPR 388	6	PF	EDFO 304	3
PF	EDPS 450	3	SP	MATH/PHYS/CHEM >199	3
PF	EDCI 468	3	BR	ENGL >199	3
PF	EDCI 4XX (Minor***)	3	BR	RELB	3
		<b>15</b>	MI	Minor content	3
					<b>15</b>

PR	Year 4, Fall	Cr	PR	Year 4, Winter	Cr
SP	MATH/PHYS/CHEM >199	3	PF	EDPR 489	6
SP	MATH 340	3	PF	EDCI 403	3
BR	Health	3	PF	EDCI 470	3
BR	RELB/RELG/RELH/ RELT*	3	PF	EDFO 305	3
MI	Minor content	3			<b>15</b>
		<b>15</b>			

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EDCI 315, RELB 201/202/351/352/445/455, RELT 130 and RELH 315 are not applicable to meet Alberta Teacher Certification requirements. Candidates seeking additional SDA Certification must choose to take EDCI 315 and RELH 315, for a total of six additional credits beyond the 120 credits required for the degree.

\*\* Candidates must achieve a CGPA of 2.00 or better in order to qualify for enrolment in this course in Year 1 winter term.

\*\*\* If the Specialization and Minor both required the same methods course, an alternate EDCI 4XX C&I Secondary School methods course must be chosen in the fall of Year 3.