

Suggested Graduation Plan									
Semester 1					Semester 2				
RELT	141	Christian Beliefs	3		ENGL	212	Writing for School Audiences	3	
ENGL	110	Writing for General Audiences	3		MATH	184	Calculus I	4	
MATH	119	Trigonometry	3		PSYC	215	Developmental Psychology	3	
BKNA	155	Concepts of Wellness	2		HIST	157	The Modern World °+	3	
CORE	100	College Success +	1		CPTR	265	Educational Technology	3	
EDUC	125	Introduction to Teaching +Obs 126 *	3						
Total Credits			15		Total Credits			16	
Semester 3					Semester 4				
CPTR	226	Intro to Programming Additional Time	4		MATH	286	Calculus III Additional Time	4	
BIOL	106	Human Biology + OR	3		EDUC	218	Philosophy of Education +Obs 127	3	
MATH	409	Modern College Geometry ^* (fall-odd) (3)			RELB		Religion Biblical Elective °+ OR	3	
MATH	285	Calculus II	4		MATH	351	Abstract Algebra * ^ (spring, even) (3)		
MATH	240	Logic, Proof and Set Theory	3		MATH	352	Linear Algebra	3	
		ART/PHOTO/ etc. Elective	2		EDUC	270	Research Writing	1	
MATH	498	Math Seminar (fall-odd) ^ or next year?			BKNA		Physical Activity Elective	1	
Total Credits			16		Total Credits			15	
Semester 5					Semester 6				
EDUC	345	Learning Theories +Obs 129	3		EDUC	413	Methods: Math Education	3	
COMM	105	Public Speaking	2		MATH	351	Abstract Algebra * ^ (spring, even) OR	3	
BIOL	106	Human Biology + OR	3		RELB		Religion Biblical Elective °+ (3)		
MATH	409	Modern College Geometry ^* (fall-odd) (3)			EDUC	356	General Secondary Methods	3	
MATH	498	Math Seminar (fall-odd) ^	1		EDUC	346	Special Ed in the Classroom +Obs 130	3	
MATH	240	Logic, Proof, and Set Theory	3		EDUC	356	General Secondary Methods	3	
EDUC	225	Seminar in Ed Diversity +Obs 128	1		EDUC	350	Seminar in Classroom Management.	1	
EDUC	476	Content Reading & Writing	3		MATH	499	Math Seminar ^ (spring-even) OR	1	
					EDUC	485	Issues in Education (1)		
Total Credits			16		Total Credits			17	
Semester 7					Semester 8				
EDUC	475	Student Teaching	16		MATH	451	Math Connections/ Sec Teach (as needed)	3	
					MATH	221	Elementary Statistics & Probability	3	
					RELT	455	Prophetic Guidance	3	
					RELH	310	History of SDA Church	3	
					LITR	232	Survey of World Literature II °+	3	
					MATH	499	Math Seminar ^ (spring-even) OR	1	
					EDUC	485	Issues in Education (1)		
Total Credits			16		Total Credits			16	

Key

^ Alternate year course | ° Other courses may also meet this requirement. See the Union College Bulletin

* This class is specific to this major | + This satisfies a general education requirement

Notes

124 completed credit hours are required for graduation. 36 hours must be upper division (300 level or above).

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.

Mathematics Education, Bachelor of Science

Required courses

General Education Core

Required courses (41 hours)

1. Following Christ

A	RELT 141	Christian Beliefs	3
B	RELB	(Biblical Studies)	3
C	RELH 310	History of the SDA Church	3

2. Thinking Deeply as a Christian

	RELT 455	Prophetic Guidance in the Advent Mvts.	3
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3. Thinking Analytically

A	College-level science with a lab		3
or	BIOL 106	Human Biology (3)	
B	MATH 221	Elem. Statistics & Probability	3
	or CPTR 226	Intro to Programming (cognate) (4)	

4. Communicating Effectively

A	COMM 105	Public Speaking	2
or	COMM 205	Intro to Interpersonal Communication (2)	
B	ENGL 110	Writing for General Audiences	3
C	ENGL 212	Writing for Scholarly Audiences	3

5. Engaging Globally

A	ANTH, ECON, GEOG, HIST, LEAD, PLSC, PSYC or SOCI		3
B	An additional course from category 5A (different discipline)		3

6. Living with Purpose and Wonder

A	LITR or PHIL	Not including EDUC 357 Children's Lit.	3
B	ART, HMNT 305, MUHL, MUPF, MUTH or PHOT		2
	If MUPF is lessons - 4 credits is required		
C	HHPA 155	Concepts of Wellness	2
D	HHPA	Physical activity elective	1

7. College Success

A	CORE 100	College Success	1
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Mathematics Education Core and Cognates

Required courses (101 hours)

Core courses

MATH 119	Trigonometry	3
MATH 184	Calculus I	4
MATH 221	Elementary Statistics and Probability	3
MATH 240	Logic, Proof, and Set Theory	3
MATH 285	Calculus II	4
MATH 286	Calculus III	4
MATH 351	Abstract Algebra	3
MATH 352	Linear Algebra	3
MATH 409	Modern College Geometry	3
MATH 451	Mathematical Connections for Second. Teach.	4
MATH 498	Mathematics Seminar	1
MATH 499	Mathematics Seminar	1

Major Cognate

CPTR 226	Introduction to Programming	4
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Professional Education

EDUC 413	Methods: Mathematics Education	3
Professional Education*		58

***This includes EDUC and general education classes that are required for certification.**

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