

# MATHEMATICS EDUCATION – Secondary Field Endorsement 7-12

Bachelor of Science

Curriculum Guide

## ▪ FIRST YEAR

### First Semester

CPTR	226	Computer Science I	4
EDUC	125	Introduction to Teaching	3
MATH	121	Precalculus	5
ENGL	111	College Writing I	3
HHPA		Activity Elective	<u>1</u>
Total			16

### Second Semester

MATH	184	Calculus I	4
ENGL	112	College Writing II	3
RELT	141	Christian Beliefs	3
HIST*	157	West and the World	3
		(or HIST, GEOG, ECON, SOCI)	
		Elective	<u>3</u>
Total			16

## ▪ SECOND YEAR

### First Semester

MATH^	340	Discrete Mathematics	3
PSYC	215	Developmental Psychology	3
MATH	285	Calculus II	4
MUHL*	260	Music in the Western World	3
EDUC	225	(or PHIL, MUHL, HMNT, ART)	
RELB		Seminar in Educational Diversity	1
		Religion Elective	<u>3</u>
Total			17

### Second Semester

EDUC	218	Philosophy of Education	3
LITR*	232	Modern Western Literature	3
MATH	286	Calculus III	4
HHPA	155	Concepts of Wellness	2
MATH	352	Linear Algebra	3
COMM	105	Public Speaking	<u>2</u>
Total			17

## ▪ THIRD YEAR

### First Semester

BIOL	102	Environment and Life Science	3
EDUC	345	Learning Theories and Measurement	3
EDUC	476	Content Reading and Writing	3
PHYS*	251	College Physics	4.5
HHPA		Activity Elective	1
		Elective	<u>1</u>
Total			15.5

### Second Semester

MATH^	351	Abstract Algebra	3
EDUC	356	General Secondary Methods	3
EDUC	346	Special Education in the Classroom	3
EDUC	413	Methods: Mathematics Education	3
MATH	451	Math Connections/Secondary Teachers	<u>3</u>
Total			15

## ▪ FOURTH YEAR

### First Semester

EDUC	475	Student Teaching	<u>16</u>
Total			16

### Second Semester

MATH	331	Statistics and Probability	3
HIST*	315	Economic History of the US	3
HIST*	255	or Issues in Early American History	
or HIST*	455	or Recent American History	
MATH^	409	Modern College Geometry	3
EDUC	485	Issues in Education	1
RELT	455	Prophetic Guidance	3
RELH	310	History of the SDA Church	<u>3</u>
Total			16

128 hours are required for graduation. 40 hours must be upper division (300 level or above).

\* Other courses may also meet this requirement. See the Union College Bulletin 2012.

^ Alternate year course.

See the "Union College Education Handbook" for Teacher Education Program policies.

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.