

Northern Michigan University
College of Arts and Sciences

*Department of
Mathematics and Computer Science*

*Secondary Education
Mathematics Major*



<i>Name:</i>	<i>Date:</i>
<i>NMU IN:</i>	<i>Advisor:</i>
<i>Major: Secondary Education Mathematics</i>	<i>Minor:</i>

Secondary Education Mathematics Major

134 - 137 Credits

(See “Teacher Selection and Retention” in Department of Education section of your Bulletin.)

<i>Core Courses (34 - 35 Credits)</i>	Credits	<i>Transfer Credit</i>	<i>NMU Credit</i>
*MA161 Calculus I	5		
MA163 Calculus II	4		
MA171 Intro to Probability and Statistics (4 credits) or MA371 Applied Probability & Statistics (3 credits)	3-4		
MA211 Intro to Matrix Theory & Linear Algebra	3		
MA265 Calculus III	3		
MA310 Math Models & Problem Solving	4		
MA312 Abstract Algebra with Applications	3		
MA331 Geometry I	3		
MA461 Mathematical Foundations from an Advanced Perspective	3		
MA484 History of Mathematics	3		

*Satisfies one of the foundation of natural sciences/mathematics requirements.

<i>Professional Education Sequence (34 Credits)</i>	Credits	<i>Transfer Credit</i>	<i>NMU Credit</i>
ED201 Introduction to Education	2		
ED231 Teaching & Learning in the Secondary Classroom	4		
ED301 Dimensions of American Education	2		
ED319 Teaching of Reading for Secondary Teachers	3		
ED349 Teaching for Diversity, Equity & Social Justice in the Secondary School Community	2		
ED361 Special Ed & the General Classroom Teacher	2		
ED430 Teaching in the Secondary School	11		
ED450 Seminar in Teaching	1		
ED483 Educational Media & Technology	2		
MA350 Methods & Materials in Teaching Sr. HS Mathematics	3		
MA354 Methods & Materials in Teaching Middle School Mathematics	2		

Minor

<i>Minor Program (24 Credits)</i>	<i>Credits</i>	<i>Transfer Credit</i>	<i>NMU Credit</i>

Liberal Studies

	<i>Liberal Studies (30 - 40 Credits)</i>	<i>Transfer Credit</i>	<i>NMU Credit</i>
<i>I</i>	<i>Composition (8 Credits)</i>		
<i>II</i>	<i>Humanities (8 Credits)</i>		
<i>III</i>	<i>Mathematics/Natural Science (8 Credits)</i>		
<i>IV</i>	<i>Social Science (8 Credits)</i>		
<i>V</i>	<i>Formal Communications (4 Credits)</i> CS120 Computer Science I or CS120A (4 Cr.s)		
<i>VI</i>	<i>Visual and Performing Arts (4 Credits)</i>		

Physical Education

	<i>Physical Education (2 Credits)</i>	<i>Transfer Credit</i>	<i>NMU Credit</i>

FRESHMAN YEAR

<i>Fall Semester</i>	<i>Winter Semester</i>	<i>Spring and/or Summer Session</i>

SOPHOMORE YEAR

<i>Fall Semester</i>	<i>Winter Semester</i>	<i>Spring and/or Summer Session</i>

JUNIOR YEAR

<i>Fall Semester</i>	<i>Winter Semester</i>	<i>Spring and/or Summer Session</i>

SENIOR YEAR

<i>Fall Semester</i>	<i>Winter Semester</i>	<i>Spring and/or Summer Session</i>

GRADUATE

<i>Fall Semester</i>	<i>Winter Semester</i>	<i>Spring and/or Summer Session</i>