

## Secondary Mathematics Teacher Education Certificate Requirements with Mathematics, B.A.

Candidate: \_\_\_\_\_

Campus ID: \_\_\_\_\_

<i>All Courses Must be Completed with a C or Better</i>		<u>Semester</u>	<u>Grade</u>	<b>PROFESSIONAL EDUCATION REQUIREMENTS:</b>
<b>MATHEMATICS CORE REQUIREMENTS</b>				<i>A GPA of 2.75 is required for official program entry. A GPA of 3.0 is required for entering internship. Students must attain a B or better in all required education courses at the 400 level.</i>
CMSC 201 Computer Science I	_____	_____		
MATH 151 Calculus and Analytic Geometry I	_____	_____		<b>EDUCATION CORE COURSES</b>
MATH 152 Calculus and Analytic Geometry II	_____	_____		<b>Semester</b>
MATH 221 Introduction to Linear Algebra	_____	_____		<b>Grade</b>
MATH 225 Introduction to Differential Equations	_____	_____		EDUC 310 Inquiry into Education (3)
MATH 251 Multivariable Calculus	_____	_____		EDUC 311 Psychological Foundations of Education (3)
MATH 300 Intro to Mathematical Reasoning	_____	_____		EDUC 388 Inclusion and Instruction (3)
MATH 301 Introduction to Mathematical Analysis I	_____	_____		EDUC 412 Analysis of Teaching and Learning (3)
<b>MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</b>			<b>PHASE I INTERNSHIP SEMESTER (Fall Only)*</b>	
MATH 306 Geometry	_____	_____		EDUC 411 Reading in the Content Area II (3)
MATH 341 Computational Methods	_____	_____		EDUC 426 Secondary Mathematics Methods (3)
MATH 385 Introduction to Mathematical Modeling	_____	_____		EDUC 448 Phase I Internship & Seminar (1)
STAT 355 Intro to Probability & Statistics for Scientists and Engineers	_____	_____		
MATH/STAT 4XX	_____	_____		<b>PHASE II INTERNSHIP SEMESTER (Spring Only)*</b>
MATH/STAT 4XX	_____	_____		EDUC 456 Internship in Education (10)
<b>SUPPLEMENTARY ELECTIVE</b>				EDUC 457 Internship Seminar in Secondary Education (2)
MATH 432 History of Mathematics	_____	_____		<i>*See <a href="https://education.umbc.edu/internship/">https://education.umbc.edu/internship/</a> for internship requirements.</i>

### CERTIFICATION TEST SCORES

Praxis Core Reading (≥156) _____	ACT Composite (≥24) _____
Praxis Core Writing (≥162) _____	SAT Math _____
Praxis Core Mathematics (≥150) _____	SAT Reading _____
	SAT Composite (≥1100) _____
<b>Praxis II Mathematics: Content Knowledge 5165 (≥159) _____</b>	

### ADVISING DATES

FALL: \_\_\_\_\_

SPRING: \_\_\_\_\_

ADVISOR \_\_\_\_\_