

Secondary Mathematics Teacher Education Certificate Requirements with Mathematics, B.S.

Candidate: _____

Campus ID: _____

All Courses Must be Completed with a C or Better					
<u>MATHEMATICS CORE REQUIREMENTS</u>	<u>Semester Taken</u>	<u>Grade</u>	<u>PROFESSIONAL EDUCATION REQUIREMENTS:</u>		
MATH 151 Calculus and Analytic Geometry 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.		
MATH 152 Calculus and Analytic Geometry II	_____	_____	<u>EDUCATION CORE COURSES</u>	<u>Semester</u>	<u>Grade</u>
MATH 221 Introduction to Linear Algebra	_____	_____	EDUC 310 Inquiry into Education (3)	_____	_____
MATH 225 Introduction to Differential Equations	_____	_____	EDUC 311 Psychological Foundations of Education (3)	_____	_____
MATH 251 Multivariable Calculus	_____	_____	EDUC 388 Inclusion and Instruction (3)	_____	_____
MATH 300 Intro to Mathematical Reasoning	_____	_____	EDUC 412 Analysis of Teaching and Learning (3)	_____	_____
MATH 301 Introduction to Mathematical Analysis I	_____	_____	EDUC 410 Reading in the Content Area I (3)	_____	_____
MATH 302 Intro to Math Analysis II OR MATH 401 Mathematical Analysis	_____	_____			
CMSC 201 Computer Science I	_____	_____	<u>PHASE I INTERNSHIP SEMESTER (Fall Only)*</u>		
PHYS 121 Introductory Physics I	_____	_____	EDUC 411 Reading in the Content Area II (3)	_____	_____
PHYS 122 Introductory Physics II	_____	_____	EDUC 426 Secondary Mathematics Methods (3)	_____	_____
<u>MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</u>			EDUC 448 Phase I Internship & Seminar (1)	_____	_____
MATH 306 Geometry	_____	_____			
MATH 341 Computational Methods	_____	_____	<u>PHASE II INTERNSHIP SEMESTER (Spring Only)*</u>		
MATH 385 Introduction to Mathematical Modeling	_____	_____	EDUC 456 Internship in Education (10)	_____	_____
STAT 355 Intro to Probability & Statistics for Scientists and Engineers	_____	_____	EDUC 457 Internship Seminar in Secondary Education (2)	_____	_____
MATH/STAT 4XX	_____	_____			
MATH/STAT 4XX	_____	_____			
MATH/STAT 4XX	_____	_____			
<u>SUPPLEMENTARY ELECTIVE</u>			*See https://education.umbc.edu/internship/ for internship requirements.		
MATH 432 History of Mathematics	_____	_____	Mathematics Education Website: https://mathed.umbc.edu		

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) _____
Praxis II Mathematics: Content Knowledge 5165 (≥159) _____	

ADVISING DATES

FALL: _____

SPRING: _____

ADVISOR _____