Secondary Mathematics Teacher Certification Requirements
Mathematics
Undergraduate Program

Candidate:_____

Initial GPA: _____ Campus ID: _____

Advisor:_____

Date:_____ Date:_____ Date:_____

Date:_____ Date:_____ Date:_____

MATHEMATICS CORE REQUIREMENTS	Semester taken	Grade
MATH 151 Calculus and Analytical Geometry I	_____	_____
MATH 152 Calculus and Analytical Geometry II	_____	_____
MATH 221 Introduction to Linear Algebra	_____	_____
MATH 225 Introduction to Differential Equations	_____	_____
MATH 251 Multi-Variable Calculus	_____	_____
MATH 301 Introduction to Mathematical Analysis I	_____	_____
CMSC 201 Computer Science I	_____	_____
MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS		
MATH 306 Geometry	_____	_____
MATH 407 Introduction to Modern Algebra and Number Theory	_____	_____
MATH 341 Computational; Methods **OR**	_____	_____
MATH 430 Matrix Algebra **OR**	_____	_____
MATH 441 Introduction to Numerical Analysis	_____	_____
	_____	_____
MATH 385 Introduction to Mathematical Modeling **OR**	_____	_____
MATH 481 Mathematical Modeling	_____	_____
STAT 355 Introduction to Probability and Statistics	_____	_____
For Scientists and Engineers **OR**	_____	_____
STAT 451 Introduction to Probability		
STAT 453 Introduction to Mathematical Statistics		
	_____	_____
SUPPLEMENTARY ELECTIVES	_____	_____
MATH 432 History of Mathematics		
CMSC 203 Discrete Structures		

	(M)	(R)	(W)	(C)
PRAXIS I	____	____	____	____
PRAXIS II	_____			

A composite score of 527 on PRAXIS I or qualified SAT or ACT score is required for admission. PRAXIS II must be passed for program completion and certification. Students may be admitted provisionally without passing PRAXIS I but are required to successfully complete PRAXIS I by the end of the first semester of study in the program.

Professional Education Requirements:

A GPA of 2.75 is required for program entry. A GPA of 3.0 is required for entering internship.

	Semester	Grade
EDUC 310 Inquiry into Education	_____	_____
EDUC 311 Psychological Foundations of Education	_____	_____
EDUC 388 Inclusion and Instruction	_____	_____
EDUC 410 Reading in the Content Area I	_____	_____
EDUC 411 Reading in the Content Area II	_____	_____
EDUC 412 Analysis of Teaching and Learning	_____	_____
EDUC 426 Secondary Mathematics Methods (Also serves as a supplementary elective for the Mathematics BA)	_____	_____
EDUC 456 Internship in Secondary Education	_____	_____
EDUC 457 Internship Seminar in Secondary Education	_____	_____

Comments:

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Notes:

Students in the teacher certification program should see their academic major advisor and their education advisor every semester. The education advisor is responsible for the requirements of the teacher certification program only. All major and University requirements should be confirmed with your academic major advisor.

Neither the mathematics electives nor the supplementary electives are elective except within categories; all are required by the certificate program in Mathematics Education.

One physics course and one economics course are also required in this program. Students earning a BS in Mathematics must also take MATH 302 or MATH 401; PHYS 121, PHYS 122, and the sequence STAT 451-453 or a second course selected from MATH 341, MATH 430, or MATH 441.