

East Central University
 Mathematics- B.S.
 General Mathematics Concentration

0292/UG22

Student Name: _____	Student ID # _____
30 hours at ECU completed	Advisor: _____
60 hours at Sr college completed	_____
40 hours upper level completed	_____

OSRHE Computer Proficiency Requirement met

Requirements	Hours
<i>Courses highlighted in blue are general education courses.</i>	
I. General Education	40

A maximum of twelve hours may be counted in both the major/related work and general education.

II. Major in General Mathematics	46-52
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A. Required Mathematics Core			22-28
MATH	1513	College Algebra †	
MATH	1223	Intro to Probability and Statistics	
MATH	1713	Trigonometry †	
MATH	2825	Calculus and Analytic Geometry I	
MATH	3025	Calculus and Analytic Geometry II	
MATH	3033	Calculus and Analytic Geometry III	
MATH	3713	Linear Algebra	
MATH	4923	Perspectives in Mathematics	

B. Required for Concentration in General Mathematics			12
MATH	3093	Intro to Theorem Prov & Number Theory	
MATH	3813	Modern Algebra	
MATH	4113	Differential Equations	
MATH	4133	Intermediate Analysis	

C. Required Mathematics Electives			12
Twelve hours math electives (3000-4000 level)			

Requirements	Hours
III. Related Work	3

CMPSC	1113	Computer Programming I OR
other computer programming course in a high level language (logical, functional, or procedural, including Mathematica)		

IV. Minor	Not Required
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V. Electives	34-37
An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.	

VI. Total Hours Required	120
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VII. Special Requirements
Math 1413 "teachers" or "methods" courses will not be counted in the major.

† With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.