Mathematics- B.S.
General Mathematics Concentration

0292/UG24

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
Courses highlighted in blue are general education courses.	

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

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

C. 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

D. 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

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

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.