

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 <input type="checkbox"/>

Requirements	Hours
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*Courses highlighted in blue are general education courses.*

<b>I. General Education</b>	<b>40</b>
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*A maximum of twelve hours may be counted in both the major/related work and general education.*

<b>II. Major in General Mathematics</b>	<b>46-52</b>
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A. Required Mathematics Core	22-28
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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
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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
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Twelve hours math electives (3000-4000 level)

Requirements	Hours
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<b>III. Related Work</b>	<b>3</b>
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CMPSC 1113	Computer Programming I <b>OR</b>
other computer programming course in a high level language (logical, functional, or procedural, including Mathematica)	

<b>IV. Minor</b>	
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Not Required

<b>V. Electives</b>	<b>34-37</b>
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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.

<b>VI. Total Hours Required</b>	<b>120</b>
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<b>VII. Special Requirements</b>	
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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.