

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS
CONCENTRATION 0292/UG17**

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____
 Required:
 124 total hours _____ completed
 30 hrs @ ECU _____ completed
 (15 of last 30 must be at ECU) _____
 60 hrs @ Sr College _____ completed
 40 hrs upper level _____ completed
 HS Curricular Req ___ met ___ not met

Work in progress _____
 2.0 minimum required in the following areas:
 ECU Avg _____ Rtn Avg _____
 Major Overall Avg _____
 Major ECU Avg _____
 Minor Overall Avg _____

Work lacking:
 Major _____ (inc A/C and Related Work)
 Minor _____ (incl Rel Wk)
 Prof Educ _____
 General Educ _____
 Comp Prof ___ met ___ not met

<u>REQUIREMENTS</u>	<u>HOURS</u>
I. General Education (44 HOURS)	
<i>6 hours (CMPSC 1113 and MATH 1513) counted in the Major</i>	
Other hours needed	38
II. Concentration in General Mathematics	46-52
A. Required General Education	0-3
___ MATH 1513 College Algebra	
B. Required in the Mathematics Core	22-25
___ MATH 1713 Trigonometry	
___ MATH 2213 Intro to Probability and Statistics	
___ 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	15
___ MATH 3093 Intro to Theorem Proov & Number Theory	
___ MATH 3813 Modern Algebra	
___ MATH 4113 Differential Equations	
___ MATH 4133 Intermediate Analysis	
___ MATH 4223 Introduction to Point Set Topology	
D. Required Electives	9
Nine hours other mathematics electives (3000-4000)	
___ _____	
___ _____	
___ _____	

<u>REQUIREMENTS</u>	<u>HOURS</u>
III. Related Work	
Required General Education	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	31-37
Students may choose courses in this section to complete a minor or pre-professional degree program requirement. Minors in areas such as computer science, chemistry or physics are strongly recommended. Pre-professional programs that students may highly consider include Pre-Engineering, Pre-Law or Pre-Professional Sciences that lead to admission to professionals schools of medicine, dentistry or optometry.	
VI. Total Hours Required	124
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.	
The OSRHE computer proficiency graduation requirement will be met through completion of CMPSC 1113 (including equated or substituted courses), or testing out of the challenge exam for this course, <u>OR</u> successful completion of an associate of arts or associate of science degree at an Oklahoma two-year college in which the computer skills requirement was met. Satisfaction of this requirement may not reduce or remove any program requirements.	

MINOR _____

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____