

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS
CONCENTRATION 0292/UG21**

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
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<u>REQUIREMENTS</u>	<u>HOURS</u>	<u>REQUIREMENTS</u>	<u>HOURS</u>
I. General Education (44 HOURS)		III. Related Work	
<i>6 hours (CMPSC 1113 and MATH 1513) counted in the Major</i>		Required General Education	3
Other hours needed	38	___ CMPSC 1113 Computer Programming I OR	
		other computer programming course in a high level language (logical, functional, or procedural, including Mathematica).	
II. Concentration in General Mathematics	46-52	IV. Minor (Not Required)	
A. Required General Education	0-3	V. Electives	31-37
___ MATH 1513 College Algebra		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.	
B. Required in the Mathematics Core	22-25	VI. Total Hours Required	124
___ MATH 1223 Intro to Probability and Statistics		VII. Special Requirements	
___ MATH 1713 Trigonometry		MATH 1413, "teachers" or "methods" courses will not be counted in the major.	
___ MATH 2825 Calculus and Analytic Geometry I		With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.	
___ MATH 3025 Calculus and Analytic Geometry II		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.	
___ 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 Electives	12		
Twelve hours other mathematics electives (3000-4000)			
___ _____			
___ _____			
___ _____			
___ _____			

MINOR _____

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