

**EAST CENTRAL UNIVERSITY  
MATHEMATICS - B.S.  
GENERAL MATHEMATICS CONCENTRATION  
0292/UG07**

Name \_\_\_\_\_

Advisor \_\_\_\_\_

Student's Name \_\_\_\_\_ S.S.N. \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ ID No. \_\_\_\_\_  
**DEGREE CHECK INCLUDES CURRENT ENROLLMENT**

Checked by _____ Date _____	Work in progress _____	
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	2.0 minimum required in the following areas: ECU Avg _____ Rtn Avg _____ Major Overall Avg _____ Major ECU Avg _____ Minor Overall Avg _____ Minor ECU Avg _____	Work lacking: Major _____ (inc A/C and Related Work) Minor _____ (incl Rel Wk) Prof Educ _____ General Educ _____ Comp Prof ___ met ___ not met Serv Lrng ___ met ___ not met

<u>REQUIREMENTS</u>	<u>HOURS</u>
<b>I. General Education (45 HOURS)</b>	
<i>6 hours (CMPSC 1113 and MATH 1513) counted in the Major</i>	
Other hours needed	<b>39</b>
<b>II. Concentration in General Mathematics</b>	<b>46-52</b>
<b>A. Required General Education</b>	3-6
___ CMPSC 1113 Computer Programming I <b>OR</b> other computer programming course in a high level language (logical, functional, or procedural, including Mathematica).	
___ MATH 1513 College Algebra	
<b>B. Required Concentration</b>	34-37
___ 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 3093 Intro to Theorem Prov & Number Theory	
___ MATH 3713 Linear Algebra	
___ MATH 3813 Modern Algebra	
___ MATH 4113 Differential Equations	
___ MATH 4133 Intermediate Analysis	
___ MATH 4923 Perspectives in Mathematics	
<b>C. Required Electives</b>	9
Nine hours other mathematics electives (3000-4000)	
___ _____	
___ _____	
___ _____	

<u>REQUIREMENTS</u>	<u>HOURS</u>
<b>III. Minor (Required)</b>	<b>16-21</b>
The minor with the Mathematics major may be selected by the student. Areas recommended are accounting, biology, chemistry, computer science, cartography, physics, and environmental health science.	
<b>IV. Electives</b>	<b>12-23</b>
<b>V. Total Hours Required</b>	<b>124</b>
<b>VI. Special Requirements</b>	
MATH 1413, "teachers" or "methods" courses will not be counted in the major.	
NOTE: Students who completed trigonometry in high school may, upon department approval, omit MATH 1713. Students who completed high school algebra II may, upon department approval, omit MATH 1513.	
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.	
Students beginning at East Central University in the fall 2007 semester or later who have earned less than sixty-four semester hours are required to take two classes with designated service-learning component. Student transferring to ECU for the first time in the fall 2007 semester or later with sixty-four or more semester hours will be required to take one class with a service-learning component.	

**MINOR** \_\_\_\_\_
