

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS CONCENTRATION
0292/UG11-UG13**

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 _____
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

REQUIREMENTS

HOURS

I. General Education (45 HOURS)

6 hours (CMPSC 1113 and MATH 1513) counted in the Major

Other hours needed **39**

II. Concentration in General Mathematics 43-49

A. Required General Education 0-3

___ MATH 1513 College Algebra

B. Required Concentration 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

C. Required Electives 9

Nine hours other mathematics electives (3000-4000)

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 (Required)

16-21

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.

V. Electives

12-23

VI. Total Hours Required

124

VII. Special Requirements

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, OR 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. Students 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 _____
