EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS CONCENTRATION
0292/UG14-UG15

Advisor _____

Student's Name_____ **ID No.** _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ **Date** _____ | **Work in progress**_____
Required: | **2.0 minimum required in the following** | **Work lacking:**
124 total hours _____ **completed** | **areas:** | **Major** ____ **(inc A/C and Related Work)**
30 hrs @ ECU_____ **completed** | **ECU Avg** _____ **Rtn Avg** _____ | **Minor** ____ **(incl Rel Wk)**
(15 of last 30 must be at ECU) _____ | **Major Overall Avg** _____ | **Prof Educ** _____
60 hrs @ Sr College _____ **completed** | **Major ECU Avg**_____ | **General Educ** ____
40 hrs upper level _____ **completed** | **Minor Overall Avg** _____ | **Comp Prof** ___ **met** ___ **not met**
HS Curricular Req __ **met** __ **not met** | **Minor ECU Avg** _____ | **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).

REQUIREMENTS   HOURS

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.

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, 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_____