EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS
CONCENTRATION 0292/UG22

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

REQUIREMENTS   HOURS

I. General Education (44 HOURS)

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

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   1223 Intro to Probability and Statistics
___ MATH   1713 Trigonometry
___ 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   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)
___ _____
___ _____
___ _____
___ _____

REQUIREMENTS   HOURS

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, 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.

MINOR_____

___ _____   ___ _____   ___ _____
___ _____   ___ _____   ___ _____
___ _____   ___ _____   ___ _____
___ _____   ___ _____   ___ _____

REV 2022