

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS
CONCENTRATION 0292/UG20**

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 _____

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|-------|-------|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ | _____ | _____ |
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