

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
TEACHER CERTIFICATION CONCENTRATION
0293/UG20**

Name

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
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REQUIREMENTS

HOURS

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HOURS

I. General Education (44 HOURS)

12 hours (CMPSC 1113, COMM 1113, MATH 1513 and PSYCH 1113) counted in the Major

Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Sign Language course with a C or higher.

Other hours needed **32**

II. Major in Mathematics-Teacher Certification **45-51**

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 Teacher Certification 17

- ___ CPSMA 3913 Discrete Mathematics
- ___ MATH 3093 Intro to Theorem Prov & Number Theory
- ___ MATH 3213 College Geometry
- ___ MATH 3813 Modern Algebra
- ___ MATH 4913 Methods of Teaching Secondary Math

D. Required Mathematics Electives 6
Six hours math electives (3000-4000 level)

III. Related Work **9**

Required General Education 9

- ___ CMPSC 1113 Computer Programming I OR other computer programming course in a high level language (logical, functional, or procedural, including Mathematical).
- ___ COMM 1113 Fundamentals of Human Comm
- ___ PSYCH 1113 General Psychology

IV. Minor

Professional Education is used as the minor and no other minor is required.

V. Professional Education **30**

- ___ EDUC 2402 Survey of Excep Child
- ___ PSYCH 3463 Child and Adolescent Psych
- ___ EDUC 2012 Diversity in American Education
- ___ EDUC 2631 Foundations of Educ Technology
- ___ EDUC 2211 Field Experience I
- ___ EDPSY 3513 Educ Psych
- ___ EDUC 3001 Field Experience II
- ___ EDUC 4042 Strat for Effective Tchg
- ___ EDUC 4611 Field Experience III
- ___ EDUC 4632 Education Technology Integration Strategies
- ___ EDUC 4262 Student Teaching Seminar I
- ___ EDUC 4282 Student Teaching Seminar II
- ___ EDUC 4974 Sup Student Tchng Secondary School
- ___ EDUC 4974 Sup Student Tchng Secondary School

VI. Electives **2-8**

VII. Total Hours Required **124**

VIII. Special Requirements

MATH 1413 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 the completion of the courses EDUC 4611 Field Experience III and EDUC 4632 Education Technology (including equated or substituted courses), both of which are required courses in the professional education sequence.