

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
TEACHER CERTIFICATION CONCENTRATION
0293/UG14**

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)

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 **33**

II. Major in Mathematics-Teacher Certification

40-46

A. Required General Education 0-3

___ MATH 1513 College Algebra

B. Required in Mathematics-Teacher Certification 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 3213 College Geometry
- ___ MATH 3713 Linear Algebra
- ___ MATH 3813 Modern Algebra
- ___ MATH 4913 Meth of Teaching Secondary Math
- ___ MATH 4923 Perspectives in Mathematics

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

III. Related Work

Required General Education **9**

- ___ COMM 1113 Fundamentals of Human Comm
- ___ CMPSC 1113 Computer Programming I
OR other computer programming course in a high level language (logical, functional, or procedural, including Mathematical).
- ___ 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 Foundations of Educ
- ___ EDUC 2211 Field Experience I
- ___ EDPSY 3513 Educ Psych
- ___ EDUC 3001 Field Experience II
- ___ EDUC 4043 Strat for Effective Tchg
- ___ EDUC 4611 Field Experience III
- ___ EDUC 4632 Education Technology
- ___ EDUC 4262 Student Teaching Seminar
- ___ EDUC 4975 Sup Student Tchng Secondary School
- ___ EDUC 4975 Sup Student Tchng Secondary School

VI. Electives

6-12

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.

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.
