

**EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
TEACHER CERTIFICATION CONCENTRATION
0293/UG11-UG12**

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

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

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**9****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

REQUIREMENTS**HOURS****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

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VI. Electives**6-12****VII. Total Hours Required****124****VIII. Special Requirements**

MATH 1413 will not be counted in the major.

Note: Students who completed trigonometry in high school may, upon department approval, omit MATH 1713. Students who completed high school algebra II may, upon department approval, omit MATH 1513.

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.