EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
TEACHER CERTIFICATION CONCENTRATION
0293/UG17

Advisor _____

Student's Name_____ **ID No.** _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ **Date** _____   **Work in progress**_____

Required:

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

REQUIREMENTS   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   43-49

   A. Required General Education   0-3
__ MATH 1513 College Algebra

   B. Required in the Mathematics Core   22-25
__ 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 3713 Linear Algebra
__ MATH 4923 Perspectives in Mathematics

   C. Required for Concentration inTeacher Certification   15
__ MATH 3093 Intro to Theorem Prov & Number Theory
__ MATH 3213 College Geometry
__ MATH 3813 Modern Algebra
__ MATH 4223 Introduction to Point Set Topology
__ MATH 4913 Meth of Teaching Secondary Math

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

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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 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 4964 Sup Student Tchng Secondary School
__ EDUC 4964 Sup Student Tchng Secondary School

VI. Electives   4-10

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.