

**EAST CENTRAL UNIVERSITY  
MATHEMATICS - B.S.  
TEACHER CERTIFICATION CONCENTRATION  
0293/UG19**

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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**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 14**

\_\_\_ MATH 3093 Intro to Theorem Prov & Number Theory  
 \_\_\_ MATH 3213 College Geometry  
 \_\_\_ MATH 3813 Modern Algebra  
 \_\_\_ MATH 4913 Meth of Teaching Secondary Math

**D. Required Mathematics Electives 9**  
 Nine 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 Foundations of Educ
- \_\_\_ EDUC 2631 Foundations of Educ Technology
- \_\_\_ EDUC 2211 Field Experience I
- \_\_\_ EDPY 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.