East Central University
Mathematics- B.S.
Teacher Certification Concentration

0293/UG22

Student Name:		Student ID #	
30 hours at ECU completed		Advisor:	
60 hours at Sr college completed			
40 hours upper level completed		OSRHE Computer Proficiency Requirement met	

Requirements	Hours
Courses highlighted in blue are general education courses.	

I. General Education — 40

17 hours counted in the major (MATH 1513, MATH 1223, EDUC 2402, CMPSC 1113, COMM 1113, PSYCH 1113) Demonstrate novice high competency in a foreign language or complete a foreign language or American Sign Language course with a C or higher.

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

A. Required Mathematics Core — 22-28

MATH	1513	College Algebra †
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

B. Required for Concentration in Teacher Certification — 17

MATH	3913	Discrete Mathematics
MATH	3093	Intro to Theorem Prov & Number Theory
MATH	3213	College Geometry
MATH	3813	Modern Algebra
MATH	4915	Meth of Teaching Secondary Math

C. Required Mathematics Electives — 6

Six hours math electives (3000-4000 level)

III. Related Work — 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

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	Diversity in American Education
EDUC	2613	Foundations of Educ Technology
EDUC	2211	Field Experience I
EDPSY	3513	Educ Psych
EDUC	3001	Field Experience II
EDUC	4052	Effective Teaching for Secondary Education
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 — 7-13

An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VII. Total Hours Required — 120

VIII. Special Requirements

Math 1413 will not be counted in the major.

† With departmental approval, students may omit MATH 1513 and MATH 1713 and being with MATH 2825.