



**REQUIREMENTS FOR THE B.S.E. DEGREE IN MATHEMATICS EDUCATION
DEPARTMENT OF MATHEMATICS**

(At least 15 hours of the major must be earned in residence.)

MATHEMATICS (46 HOURS) AND PROFESSIONAL EDUCATION (36 HOURS)

COURSE NO.	COURSE	CREDIT HRS	PREREQUISITE	SEMESTER OFFERED
MATH 1496	Calculus I	4	C or better in MATH 1390 and C or better in MATH 1392, or C or better in MATH 1580, or equivalent.	Fall, Spring & Summer
MATH 1497	Calculus II	4	This course is a prerequisite for Calculus III and most of the upper division mathematics courses. C or better in MATH 1496.	Fall, Spring & Summer
MATH 2335	Transition to Advanced Math*	3	MATH 1497	Fall Spring
MATH 2471	Calculus III	4	C or better in MATH 1497	Fall, Spring & Summer
MATH 2441	Intro to Mathematics Computation	4	C or better in MATH 1497	Fall & Spring
MATH 3320	Linear Algebra	3	MATH 1497 or 2330	Fall, Spring & Summer
MATH 3360	Abstract Algebra I	3	MATH 2335	Fall
MATH 3370	Math in the Secondary Schools	3	Admission to Secondary Teacher Education or the intent to register for MATH 4301 in the subsequent semester.	Spring
MATH 4301*	Secondary Math Methods	3	MATH 2471, 3370	Fall
MATH 4345	College Geometry	3	MATH 1496	Spring
MATH 4350*	History of Mathematics	3	MATH 1497	Fall
MATH 4371	Intro to Probability	3	MATH 1497	Fall & Summer
MATH X3XX	Upper Division Math Elective	3		

Select one of the following two courses:

MATH 3311	Statistical Methods II	3	Consent of Instructor	Fall or Spring
MATH 4372	Intro to Statistical Inference	3	MATH 4371	Spring

Pre-Admission Teacher Education Courses

EDUC 1240	Basic Educational Technology Skills.	2	ONLY required IF Technology Competency Exam is not passed.	
EDUC 1300	Education as a Profession	3	A field experience is required	
MSIT 3310	Development and Learning	3		

Admission to Teacher Education is required before enrolling in the following:

EDUC 3322	Diverse Learners in Inclusive Settings	3		
EDUC 4210*	Integration of Technology into Teaching and Learning	2		
MSIT 4305	Classroom Management	3		
MATH 4200 *	Introduction to Educational Testing and Assessment in Mathematics	2		Fall
MSIT 4325*	Literacy Development in the Content Areas	3		
MATH 4360*	Teaching Internship I	3		Fall

***PROFESSIONAL BLOCK:** Candidates should be concurrently enrolled in all courses marked with asterisk.

Fall
Senior year

Praxis II Content Exams must be taken and Cumulative and Math Course GPA's must be 2.5 before enrolling in Internship II.

MATH 4680	Teaching Internship II	6	Admission to the Internship and completion of all professional education courses. Required Corequisite: MATH 4681. Spring.	Spring Senior year
MATH 4681	Teaching Internship II	6	Admission to the Internship and completion of all professional education courses. Required Corequisite: MATH 4680. Spring.	Spring Senior year

Additional Requirements: 38 hours in General Education Core