



**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 (37 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		
<b>Select one of the following two courses:</b>				
MATH 3311	Statistical Methods II	3	Consent of Instructor	Fall or Spring
MATH 4372	Intro to Statistical Inference	3	MATH 4371	Spring
<b>Pre-Admission Teacher Education Courses</b>				
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	
EDUC 3309	Cultural Perspectives: Family, School, and Community Partnerships	3		
MSIT 3310	Development and Learning	3		
<b>Admission to Teacher Education is required before enrolling in the following:</b>				
EDUC 3321	Introductory Strategies for Students with Diverse Learning Needs	3		
EDUC 4305	Integration of Technology into Teaching and Learning	2		
MSIT 4210*	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