

**BACHELOR of ARTS DEGREE**  
**in MATHEMATICS EDUCATION (6-12)**

**Department of Curriculum and Instruction**  
**Information Sheet**

**NOTE:** All College of Education Secondary Degree Programs are Florida Department of Education (DOE) and Council for Accreditation of Teacher Education (CAEP) approved. This State and CAEP approval represents the transferability of your teaching credentials from state-to-state. Test scores must be submitted to Office of Academic and Student Services (OASS) prior to the placement deadline.

**Professional Education component courses offered through the College of Education:**

<b>EDF 2005</b>	<b>Introduction to the Teaching Profession Int</b>	<b>(3 credits)</b>	<b>(Requires 15-hour field component)</b>
EME 2040	Introduction to Technology for Educators	(3 credits)	(Requires 15-hour field component)
EDF 3210	Applied Learning Theory	(3 credits)	
EDF 3430	Ed. Measurement & Evaluation	(3 credits)	
TSL 4324	ESOL Strategies for ContentArea Teachers	(3 credits)	
MAE 4360	Teaching Mid & Secondary School Math	(3 credits)	
RED 4335	Content Read: Mid & Sec School	(3 credits)	(Requires 10-hour field component)
<b>ESE 3940</b>	<b>Sec. School Effective Instruction*</b>	<b>(3 credits)</b>	<b>(Requires 90-hour field component)</b>

\*Must be programmed and taken the fall/spring semester prior to student teaching. (Offered in fall and spring terms only)

\*\*Students **MUST** contact the Department of Mathematics for preliminary assessment **BEFORE** beginning this program. \*\*

**Mathematics content courses offered through the C.E. Schmidt College of Science:**

**(Please see FAU catalog for possible prerequisite courses)**

MAC 2311	Calculus with Analytic Geometry I	(4 credits)	MAD	Intro to Comp. Math	(3 credits)
MAC 2312	Calculus with Analytic Geometry II	(4 credits)	2502		
MAD 2104	Discrete Mathematics	(3 credits)	<b><u>OR</u></b>	A Programming Course	
MAC 2313	Calcul. with Analytic Geometry III	(4 credits)			
MAS 2103	Matrix Theory	(3 credits)			
MHF 3202	Intro. To Advanced Mathematics	(3 credits)			
STA 4442	Probability and Statistics I	(3 credits)			
MAS 3156	Vector Calculus	(3 credits)			
MAS 4301	Modern Algebra	(3 credits)			
MTG 3212	Survey of Geometry	(3 credits)			

**Plus:**

**Upper Division Electives: (12 Credits)**

**Approval of advisor required: see list of preapproved courses on back. Upper division electives are not limited to only those listed.**

**Final Semester: (6-12 credits)**

MAE 4945 Student Teaching: Mathematics **(Full-time internship, to be completed during a fall or spring term)**

**\*\*\*ALL COURSEWORK AND CERTIFICATION EXAMS--FTCE: General Knowledge, Mathematics 6-12 Subject Area Exam (SAE), Professional Education Exam (PEd) MUST BE COMPLETED PRIOR TO STUDENT TEACHING\*\*\***

**Applications to Student Teach during the fall semester are due by January 31<sup>st</sup>**  
**Applications to Student Teach during the spring semester are due by September 15<sup>th</sup>**

**PROGRAM ADMISSION REQUIREMENTS:**

- 60 semester hours completed
- 2.5 overall Grade Point Average (GPA)
- Passing scores on the General Knowledge test

NOTICE: Copies of this publication can be obtained in an alternate format by contacting the College of Education/Department of Curriculum and Instruction at [dcj@fau.edu](mailto:dcj@fau.edu). This publication is available in standard print, Braille, or electronically for people with disabilities. Please allow at least 10 days to process this request.

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**Upper Division Mathematics Approved Electives:**  
(Please see FAU catalog for possible course prerequisites)

**Select 12 credits:**

MAS MAP	3203* 3305	Introductory Number Theory Engineering Mathematics I	(3 credits) (3 credits)
MAD	3400*	Numerical Methods	(3 credits)
MAD MHF MHF STA STA	4402 3404* 3302 4102 4103	Numerical Analysis II History of Mathematics Mathematical Logic Computational Statistics I Computational Statistics II	(3 credits) (3 credits) (3 credits) (3 credits) (3 credits)
STA STA	4234* 4202L*	Applied Statistics I Applied Statistics I Lab	(2 credits) <b><u>and</u></b> (1 credit)
STA MAD STA	4702 4301* 4853	Applied Statistics II Graph Theory Applied Time Series and Forecasting	(3 credits) (3 credits) (3 credits)
MAP MAP	4303 4306	Differential Equations II Engineering Mathematics II	(3 credits) <b><u>OR</u></b> (3 credits)
MAA STA STA MAT CIS MAS MAD MTG MAT MAT STA	4402* 4443* 4618* 4937 4362 4107 4605 4930 4930 4906 4906	Introductory Complex Analysis Probability and Statistics II Linear Programming and Game Theory Mathematical Problem Solving Cryptography and Information Security Linear Algebra II Introduction to Coding Theory Topics in Geometry Topics in Mathematics Directed Independent Study Directed Independent Study	(3 credits) (3 credits) (3 credits) (3 credits) (3 credits) (3 credits) (3 credits) (1-4 credits) (1-4 credits) (1-4 credits) (1-4 credits)

(\*Recommended courses)