FAU
FLORIDA ATLANTIC UNIVERSITY
College of Education

NOTE: All College of Education Secondary Degree Programs are Florida Department of Education (DOE) and National Council for Accreditation of Teacher Education (NCATE) approved. This State and NCATE approval represents the transferability of your teaching credentials from state-to-state.

Professional Education component courses offered through the College of Education:

EDF	2005	Introduction to the Teaching Profession	(3 credits)	(*Requires 15-hour field component*)
EDF	2085	Introduction to Diversity for Educators	(3 credits)	(*Requires 15-hour field component*)
EME	2040	Introduction to Technology for Educators	(3 credits)	
EDF	3210	Applied Learning Theory	(3 credits)	
EDF	3430	Ed. Measurement & Evaluation	(3 credits)	
TSL	4324	ESOL Strategies for Content Area Teachers	(3 credits)	
MAE	4360	Teaching Mid & Secondary School Math	(3 credits)	(*Requires 10-hour field component*)
RED	4335	Content Read: Mid & Sec School	(3 credits)	
ESE	**3940**	**Sec. School Effective Instruction***	**(3 credits)**	**(*Requires 90-hour field component*)**

* 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 2502 Intro to Computational Math. (3 credits)
MAC	2312	Calculus with Analytic Geometry II	(4 credits)	***OR***
MAD	2104	Discrete Mathematics	(3 credits)	Programming course
MAC	2313	Calculus with Analytic Geometry III	(4 credits)	
MAS	2103	Matrix Theory	(3 credits)	
STA	4442	Probability and Statistics I	(3 credits)	
MAA	4200	Modern Analysis	(3 credits)	
MAS	4301	Modern Algebra	(3 credits)	
MTG	3212	Survey of Geometry	(3 credits)	

Plus:

Upper Division Electives: **(15 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, Math 6-12 SAE, PEd)
MUST BE COMPLETED PRIOR TO STUDENT TEACHING***
Applications to Student Teach during the fall semester are due by January 31
Applications to Student Teach during the spring semester are due by September 15

PROGRAM ADMISSION REQUIREMENTS:
- 60 semester hours completed, with a 2.5 overall Grade Point Average (GPA); and
  - 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 Teaching and Learning at deptteachlearn@fau.edu or 561-297-6595. 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 15 credits:

MAS	3203*	Introductory Number Theory	(3 credits)	
MAP	3305	Engineering Mathematics I	(3 credits)	
MAD	3400*	Numerical Methods	(3 credits)	
MAD	4402	Numerical Analysis II	(3 credits)	
MHF	3404*	History of Mathematics	(3 credits)	
MHF	3302	Mathematical Logic	(3 credits)	
STA	4102	Computational Statistics I	(3 credits)	
STA	4103	Computational Statistics II	(3 credits)	
STA	4234*	Applied Statistics I	(2 credits)	*and*
STA	4202L*	Applied Statistics I Lab	(1 credit)	
STA	4702	Applied Statistics II	(3 credits)	
MAD	4301*	Graph Theory	(3 credits)	
STA	4853	Applied Time Series and Forecasting	(3 credits)	
MAP	4303	Differential Equations II	(3 credits)	*OR*
MAP	4306	Engineering Mathematics II	(3 credits)	
MAA	4402*	Introductory Complex Analysis	(3 credits)	
STA	4443*	Probability and Statistics II	(3 credits)	
STA	4618*4	Linear Programming and Game	(3 credits) (3 credits)	
MAT	937*	TheoryMathematical Problem Solving	(3 credits)	
CIS	4362	Cryptography and Information Security	(3 credits)	
MAS	4107	Linear Algebra II	(3 credits)	
MAD	4605	Introduction to Coding Theory	(1-4 credits)	
MTG	4930	Topics in Geometry	(1-4 credits)	
MAT	4930	Topics in Mathematics	(1-4 credits)	
MAT	4906	Directed Independent Study	(1-4 credits)	
STA	4906	Directed Independent Study		

(*Recommended courses)