

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

Department of Teaching and Learning
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.

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)	STA 4234	Applied Statistics I	(2 credits)
MAC 2312	Calculus with Analytic Geometry II	(4 credits)	STA 4202L	Applied Statistics I Lab	(1 credits)
MAD 2104	Discrete Mathematics	(3 credits)	STA 4702	Applied Statistics II	(3 credits)
MAC 2313	Calculus with Analytic Geometry	(4 credits)	MAT 4937	Theory of Math Problem Solving	(3 credits)
MAS 2103	Matrix Theory	(3 credits)	MAD 2502	Intro to Computational Math	(3 credits)
STA 4442	Probability and Statistics I	(3 credits)	OR		
MHF 3404	History of Mathematics	(3 credits)	A Programming Course		
MAS 3203	Introduction to Number Theory	(3 credits)			
MTG 3212	Survey of Geometry	(3 credits)			

Plus:

Upper Division Electives: (6 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.

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

Select 6 credits from below:

MAP	3305	Engineering Mathematics I	(3 credits)
MAD	3400*	Numerical Methods	(3 credits)
MAD	4402	Numerical Analysis II	(3 credits)
MHF	3302	Mathematical Logic	(3 credits)
STA	4102	Computational Statistics I	(3 credits)
STA	4103	Computational 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)
MAA	4200*	Modern Analysis	(3 credits)
MAA	4402*	Introductory Complex Analysis	(3 credits)
STA	4443*	Probability and Statistics II	(3 credits)
STA	4618*	Linear Programming and Game Theory	(3 credits)
CIS	4362	Cryptography and Information Security	(3 credits)
MAS	4301*	Modern Algebra	(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	

(*Suggested elective courses to take)