





 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Graduate Programs	UGPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	Department Mathematical Sciences College Science	
Program Name Master of Science in Teaching (Mathematics)	<input type="checkbox"/> New Program <input checked="" type="checkbox"/> Change Program	Effective Date (TERM & YEAR) Fall 2019
Please explain the requested change(s) and offer rationale below or on an attachment <u>REQUESTED CHANGE:</u> Adding the course Discrete Mathematics for Teachers (MAD 6108) to the list of elective courses, and make the course rotation more flexible so that courses can be offered at a higher pace (see attached). <u>RATIONALE:</u> The MST program was initiated about two decades ago. It requires 24 credits of mathematics courses and 6 credits of education courses at or above the 5000 level. Students can select eight courses (24 credits) from a list of nine mathematics courses, or complete six MS thesis credits and select six courses (18 credits) from the list. Adding the new course will increase the variety of courses for students, improve the program relevance, and make it more efficient for students to complete the degree.		
Faculty Contact/Email/Phone Paul Yiu / yiuf@fau.edu / (561) 297-2481	Consult and list departments that may be affected by the change(s) and attach documentation	
Approved by Department Chair  College Curriculum Chair  College Dean  UGPC Chair  UGC Chair  Graduate College Dean  UFS President _____ Provost _____		Date 2-26-19 3/11/19 3/27/2019 3/27/19 3/27/2019

Email this form and attachments to UGPC@fau.edu one week before the UGPC meeting so that materials may be viewed on the UGPC website prior to the meeting.

Master of Science in Teaching (Mathematics)

This degree program, with emphasis on issues of teaching, provides post-baccalaureate education both for certified secondary teachers and those wishing to teach at the state college level. This M.S.T. degree program does not provide teaching certification.

Admission Requirements

Admission requirements for the M.S.T. program are the same as for the M.S. in Mathematics.

Degree Requirements

This program requires 24 credits of mathematics courses and 6 credits of education courses at or above the 5000 level. (Candidates without a valid secondary certificate or with fewer than two years of teaching experience might be required to complete a 6-credit internship.) The Mathematical Sciences Department offers 6000-level classes specifically designed for the M.S.T. program each semester (including summers). Candidates may complete 6 of the 24 credits in mathematics by writing a master's thesis.

Required Mathematics Courses

Students either

- select eight courses (three credits each) from the list below, or
- select six courses (three credits each) from the list below and complete 6 credits by writing a master's thesis.

Advanced Euclidean Geometry (MTG 6226);

Advanced Algebra and Geometry (MAS 6318);

Mathematics and Technology (MAT 6715);

Topics in the History of Mathematics (MHF 6405);

Number Theory of Cryptography (MAS 6217);

Dynamical Systems, Chaos, and Computing (MTG 6418);

Problem Solving and Recreational Mathematics (MAT 6516);

Calculus from a Historical Perspective (MHF 6410);

Fractal Geometry (MTG 6415);

Discrete Mathematics for Teachers (MAD 6108).