

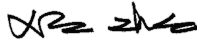
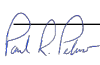


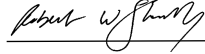


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|  FLORIDA ATLANTIC UNIVERSITY | NEW/CHANGE PROGRAM REQUEST Graduate Programs | | UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____ |
| | Department Department of Mathematics & Statistics College Science | | |
| Program Name Master of Science in Teaching Mathematics | | <input type="checkbox"/> New Program* <input checked="" type="checkbox"/> Change Program* | Effective Date (TERM & YEAR) FALL 2024 |
| <p>Please explain the requested change(s) and offer rationale below or on an attachment.</p> <p>This proposal requests the transition of the Master of Science in Teaching Mathematics (MST) program to a fully online format, discontinuing the in-person option.</p> <p>We believe that transitioning our MST program to a fully online format will not only align with the strategic goals of our institution but also enhance the overall educational experience for our students.</p> <p>Rationale: Accessibility: Online delivery will make the program more accessible to a wider range of students, including those who may have geographical constraints or work commitments.</p> <p>Flexibility: An online format will provide students with greater flexibility in managing their academic pursuits alongside personal and professional obligations.</p> <p>Pedagogical Advancements: Online learning platforms offer diverse tools and resources that can enhance the teaching and learning experience, fostering engagement and interaction among participants.</p> <p>Market Demand: There is a growing demand for online education, and transitioning our MST program to an online format will align with the evolving needs and preferences of prospective students.</p> <p>To facilitate this transition, we have undertaken the necessary steps, including:</p> <ul style="list-style-type: none"> Collaborating with instructional designers and technologists to develop high-quality online course materials and resources for all our graduate courses offered in this program. Providing training and support to faculty members in effectively transitioning their courses to the online environment. Ensuring compliance with accreditation standards and regulatory requirements pertaining to online education. <p>We kindly request your support and approval for this initiative</p> | | | |
| <p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p> | | | |
| Faculty Contact/Email/Phone Katarzyna Winkowska- Nowak/kwinkows@fau.edu/5612973340 | | Consult and list departments that may be affected by the change(s) and attach documentation | |
| Approved by Department Chair  College Curriculum Chair  signed on behalf of Marianne Porter College Dean  UGPC Chair  UGC Chair  Graduate College Dean  UFS President _____ Provost _____ | | Date 3/10/2024 03/13/2024 03/13/2024 03/21/2024 03/21/2024 03/21/2024 _____ _____ | |

Email this form and attachments to UGPC@fau.edu 10 days before the UGPC meeting.

MATHEMATICS

MASTER OF SCIENCE IN TEACHING (M.S.T.)

This degree program, with emphasis on issues of teaching, provides post-baccalaureate education for any students seeking a deeper understanding of and appreciation for mathematics. This M.S.T. degree program does not provide teaching certification; students interested in teaching at the state college level should consult with an advisor in the Department of Mathematics and Statistics. This program is available ~~in person or~~ fully online. (Change effective fall 2024.)

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, and at least half of all credits applied to the degree must be in 6000-level courses. (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 Mathematics and Statistics Department offers one or two 6000-level classes specifically designed for the M.S.T. program each semester (including summers), see the table below; but other 5000- or 6000-level Math courses may be applied toward this degree for students wishing to complete the program more quickly. Candidates may complete 6 of the 24 credits in mathematics by writing a master's thesis.

Online courses designed for the M.S.T. Program

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| Advanced Euclidean Geometry | MTG 6226 |
| Advanced Algebra and Geometry | MAS 6318 |
| Mathematics and Technology | MAT 6715 |
| 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 |
| Introductory Discrete Mathematics | MAD 6108 |
| Survey of Statistics and Probability | STA 6116 |