| | NEW/CHANGE PROGRAM REQUEST<br>Graduate Programs | UGPC Approval _____<br>UFS Approval _____<br>Banner _____<br>Catalog _____ |
|---|---|---|
| **FLORIDA ATLANTIC UNIVERSITY** | **Department**<br><br>**College** | |

| **Program Name** | **New Program***<br><br>**Change Program*** | **Effective Date**<br>*(TERM & YEAR)* |
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**Please explain the requested change(s) and offer rationale below or on an attachment.**

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*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

| **Faculty Contact/Email/Phone** | **Consult and list departments that may be affected by the change(s) and attach documentation** |
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| *Approved by* | | *Date* |
|---|---|---|
| Department Chair | _(signature)_ | 3/10/2024 |
| College Curriculum Chair | _(signature)_ signed on behalf of Marianne Porter | 03/13/2024 |
| College Dean | _(signature)_ | 03/13/2024 |
| UGPC Chair | | |
| UGC Chair | | |
| Graduate College Dean | | |
| UFS President | | |
| Provost | | |

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

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 |