

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	Department <u>Physics</u> College <u>Science</u>		
<b>Program Name</b> Master of Science in Teaching		<input type="checkbox"/> <b>New Program*</b> <input checked="" type="checkbox"/> <b>Change Program*</b>	<b>Effective Date</b> (TERM & YEAR) Summer 2023
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment.</b></p> <p>This program has not been revised in many years, and no longer complies with FAU policies banning the application of undergraduate-level credits to graduate degrees. We therefore propose to replace two undergraduate-level courses previously required in the program with the student's choice of any two courses from the first-year curriculum in our regular M.S. and Ph.D. programs.</p> <p>We also propose to eliminate the requirement of a General GRE score.</p> <p>The requirements of graduate-level electives in education pedagogy do not change, so we do not consider that this proposal will impact the operations of any other department, including those in the College of Education.</p>			
<p>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</p>			
<b>Faculty Contact/Email/Phone</b> Chris Beetle cbeetle@fau.edu (561-29)7-4612		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair <u>[Signature]</u> College Curriculum Chair <u>Louis Melis</u> College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____		<b>Date</b> <u>2/7/2023</u> <u>2/14/2023</u> _____ _____ _____ _____	

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

## Physics

### Master of Science in Teaching (M.S.T.)

The Master of Science in Teaching (M.S.T.) is designed for physics teachers working in secondary schools and community colleges. ~~The cognate area will usually be Mathematics.~~

### Admission Requirements

In addition to meeting all ~~of the~~ University and College admission requirements for graduate study, applicants for the M.S.T. degree must ~~meet all of~~ satisfy the following departmental requirements:

1. A B.A. or B.S. degree, or equivalent, in Physics or a closely related subject;
2. A GPA of 3.0 or higher in the last 60 credits of undergraduate work; and
3. Approval from the Department of Physics.
- ~~1. A B.A. in physics or its equivalent;~~
- ~~2. Have taken the general GRE. No minimum score is required. (GRE scores more than five years old will not be accepted);~~
- ~~3. A 3.0 GPA or higher in the last 60 credits of undergraduate work; and~~
- ~~4. Approval from the Department of Physics.~~

### Degree Requirements

<del>Electromagnetism 2</del>	PHY 3324	3
<del>Undergraduate Laboratory 1</del>	PHY 3802L	2
<u>Two courses from the following list:</u>		6
<u>Mechanics</u>	PHY 6247	3
<u>Electromagnetism</u>	PHY 6346	3
<u>Statistical Mechanics</u>	PHY 6536	3
<u>Quantum Mechanics 1</u>	PHY 6645	3
<u>Mathematical Physics 1 or 2</u>	PHZ 5115/6	3
<u>Each of the following required courses:</u>		24
<u>Topics in Physics</u>	PHY 5935	6
<u>Master's Thesis*</u> <del>(or additional 6000-level Physics Electives)</del>	PHY 6971	6
<u>Physics Electives approved by the Department**</u>		6
<del>Education Courses</del> <u>Education Electives approved by the Department**</u>		6
<b>Total</b>		<b>30</b>

\* Credits in Master's Thesis may be replaced with additional Electives with Departmental approval.

\*\* All Electives must be graduate courses, and must be approved by the Department's Graduate Advisor prior to enrollment.