

## MASTER OF SCIENCE IN TEACHING

### Program of Study

The MST is a 31-credit Master's program requiring a research thesis and guided teaching experiences in introductory courses on campus, as well as coursework. Students working toward certification will also complete a practicum teaching experience in a secondary classroom. Through the required courses in the program, students will strengthen their knowledge of the discipline(s) that they teach, particularly concepts and skills normally covered in secondary school courses. They will also participate in and understand the results of education research in their discipline(s) and its application to teaching and learning. Students working toward certification are eligible to be supported by an assistantship while they take courses required for certification, even if these courses are at the undergraduate level. This program is designed to benefit:

- Teachers who would like to strengthen their knowledge of the subjects that they teach while earning a Master's Degree;
- Recent graduates who have majored in mathematics, science or engineering and are interested in pursuing a career in teaching;
- Established scientists, engineers, or mathematicians who are interested in making a career change into secondary teaching.

### Financial Aid

Please make sure to indicate on your application whether or not you are interested in studying full time, and if you would like to be considered for an assistantship or a tuition scholarship. Assistantships range from \$19,790 - \$21,500 per year, and include a tuition waiver.

### Applying

In your application essay, please indicate whether or not you are planning to work toward certification and let us know the area in which you are most interested in concentrating. Please include a description of any related teaching experiences, as well as any other information that will help us get to know your qualifications and interests better.

GRE scores are required for all applicants. No subject test is required. International students must also submit TOEFL scores with their application materials.

To expedite handling of your application and avoid paying the application fee, send all application materials to MST Interdisciplinary Program Committee, c/o Ms. Leisa Preble, Department of Physics and Astronomy, 5709 Bennett Hall, The University of Maine, Orono, Maine 04469-5709. Please instruct your references to send their letters to this address as well, and have your transcripts sent there. Application fees will be paid by the Center for Science and Mathematics Education Research for all students accepted to the program.

If courses offered in a location other than the Orono campus would be helpful for you, please indicate this preference on your application. Both full-time and part-time students are encouraged to apply.

### Correspondence

The Graduate School  
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University of Maine  
Orono, ME 04469-5755  
[graduate@maine.edu](mailto:graduate@maine.edu)  
207-581-3291

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5709 Bennett Hall  
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[leisa\\_preble@umit.maine.edu](mailto:leisa_preble@umit.maine.edu)  
207-581-1016

## **Graduate Faculty**

**Francois Amar**, Ph.D. (Chicago, 1979) Associate Professor of Chemistry

**David Batuski**, Ph.D. (New Mexico, 1986) Professor of Physics and Astronomy

**Michell Bruce**, Ph.D. (Columbia University, 1985) Associate Professor of Chemistry

**Robert Franzosa**, Ph.D. (Wisconsin, 1984) Professor and Associate Chair of the Dept. of Mathematics and Statistics

**Susan McKay**, Ph.D. (MIT, 1987) Director of the Center for Science & Mathematics Education Research  
Professor of Physics and Interim Chair of the Department of Physics and Astronomy

**Stephen Norton**, Ph.D. (Harvard, 1986) Professor of Geological Sciences

**Eric Pandiscio**, Ph.D. (University of Texas, Austin, 1994) Associate Professor of Mathematics Education

**Molly Schauffler**, Ph.D. (Maine, 2003) Assistant Professor of Earth Sciences

**Natasha Speer**, Ph.D. (University of California, Berkeley, 2001) Assistant Professor of Mathematics and Education

**John Thompson**, Ph.D. (Maryland, 1998) Associate Professor of Physics & Cooperating Associate Professor of Education

**Michael Wittmann**, Ph.D. (Brown, 1998) Associate Professor of Physics & Cooperating Associate Professor of Education