

## SCHOOL OF GRADUATE STUDIES

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### FAST TRACK MATHEMATICS – LICENSURE ONLY

#### Objectives

This intensive program of coursework and support seminars is designed for new teachers with academic background in the mathematics but who need courses in pedagogy and an initial teaching license. Courses are scheduled in a streamlined format in late afternoons, evenings and summers. Participants may complete the program in a year and a summer. Participants lacking content required by state and/or national standards will need to complete additional coursework. Program completion requires the preparation of a portfolio documenting learning and performance.

#### Admissions

Visit [salemstate.edu/graduate](http://salemstate.edu/graduate) for admissions requirements and deadlines.

It may be possible to take a limited number of courses prior to formal admission to the program. If you are interested in this option, please contact the graduate program coordinator. If you are accepted into the program, you must meet with the graduate program coordinator to develop a tentative plan of study and discuss any transfer credits. Graduate program coordinator contact information may be found at [salemstate.edu/graduate/programs](http://salemstate.edu/graduate/programs).

#### Program Requirements

All candidates must complete

- Program prerequisites – adolescent psychology and satisfactory subject matter knowledge in mathematics
- Subject matter knowledge – Students must meet state DESE and NCATE-affiliated professional organization's requirements for content knowledge in mathematics. The program coordinator will document content standards through a review of official transcripts and life experience. You may have to take additional coursework as needed.
- Portfolio - Candidates are expected to maintain a portfolio of artifacts documenting growth in professional development, following the "teaching proficiencies" established by the Salem State School of Education, which incorporate both the state and NCATE professional standards in the assessment of candidate performance. Exhibition of this portfolio is required for program completion.

#### Course Requirements

##### Professional Coursework

Professional coursework addresses the DESE mandated competencies for secondary teachers. Courses will be scheduled in formats appropriate to the yearly teaching calendar and the needs of developing professionals: as summer institutes, and on late afternoons, evenings, and weekends. The two-semester practicum will include a weekly seminar to provide ongoing support to new teachers and address issues and problems in timely and substantive ways.

## Summer

- EDU 709 Instruction and Assessment In Secondary Classrooms 3
- MAT 702N Research on Teaching Methods in Mathematics I 3

## Fall

- EDU 884 Curriculum Issues in the Middle School 3  
OR  
EDU 808 The American High School
- EDU 925 MA Practicum/Internship Seminar in Mathematics Education 1.5  
This course is designed to help candidates for initial teaching licenses develop confidence in their skills and abilities to meet the challenges of being new mathematics teachers, and develop positive mental habits and professional attitudes. Seminar supports an internship or practicum of positive mental habits and professional attitudes. Seminar supports an internship or practicum of at least 150 hours in a middle or secondary school math classroom. Seminar format will facilitate communications between practicum students/interns, their university supervisors and teaching professionals from their home schools. Prerequisites: completion of initial licensure program coursework, approval of program coordinator, and current position in the role of the license sought.

## Spring

- EDG 705 Responding to Diversity in the Classroom 3
- EDU 925MB Practicum/Internship Seminar in Mathematics Education 1.5  
A continuation of EDU 925MA, this course is designed to help students develop into teaching professionals by exploring advanced classroom strategies, resources for practice, and opportunities for professional growth. Seminar supports an internship or practicum of at least 150 hours in a middle or secondary school mathematics classroom. Seminar format will facilitate communication between practicum students/interns, their university supervisors and teaching professionals from their home schools. Prerequisites: EDU 925MA, completion of initial licensure program coursework, approval of program coordinator, and current position in the role of the license sought.

Total Credits 15

## Notes

Because the Commonwealth of Massachusetts may change educator licensure requirements, you are advised to contact the Department of Elementary and Secondary Education for specific, current licensure requirements. This information may be accessed at [doe.mass.edu](http://doe.mass.edu).

The School of Graduate Studies reserves the right to make changes in program and course requirements, policies and regulations as circumstances dictate. There is no guarantee that any listed course will be offered in any given semester. Therefore, you should meet regularly with your program coordinator to discuss your progress and revise your plan of study as needed.

Effective April 2010