

SCHOOL OF GRADUATE STUDIES

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MASTER OF ARTS IN TEACHING (MAT) MIDDLE SCHOOL MATHEMATICS

Objectives

The Master of Arts in Teaching (MAT) Middle School Mathematics will serve middle school teachers who already have an appropriate provisional certification with advanced standing or initial license and who wish to complete a master's degree program to become eligible to apply for professional licensure.

Admissions

Visit salemstate.edu/graduate for admissions requirements, deadlines and prerequisites (if any).

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.

Program Requirements

All candidates must

- Complete a minimum of 39 credit hours of graduate course work (described below)
- achieve a 3.0 grade point average overall

Course Requirements

Education Core Courses

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| • EDG 850 | Issues in Mathematics Education: Programs and Trends | 3 |
| • EDG 851 | Mathematics for all Learners | 3 |
| • EDG 852 | Action Research in Mathematics Education | 3 |

Discipline Courses

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|-----------|---|---|
| • MSM 701 | Patterns, Relations and Algebra for Middle School Teachers | 3 |
| • MSM 703 | Pre-Calculus for Middle School Teachers | 3 |
| • MSM 705 | Geometry and Measurement for Middle School Teachers | 3 |
| • MSM 707 | Number Systems for Middle School Teachers | 3 |
| • MSM 709 | Data, Statistics and Probability for Middle School Teachers | 3 |
| • MSM 711 | Linear Systems for Middle School Teachers | 3 |
| • MSM 713 | Calculus for Middle School Teachers | 3 |
| • MSM 715 | Discrete Mathematics for Middle School Teachers | 3 |

- MSM 717 History of Mathematics for Middle School Teachers 3
Students whose background in mathematics is strong may, with the permission of the program coordinator, substitute one or more of the above mathematics courses with the following list of MAT courses: MAT 704, MAT 705, MAT 706, MAT 707, MAT 708, MAT 710, MAT 711, MAT 712.

Clinical Experience

- EDG 992 Clinical Experience in Middle School Mathematics 3

Total Credits 39

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.

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.