



MASTER OF ARTS IN TEACHING MIDDLE SCHOOL MATHEMATICS

PROGRAM OBJECTIVES

The Master of Arts in Teaching Middle School Mathematics, a 39 credit hour program, 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.

ADDITIONAL ADMISSIONS REQUIREMENTS

Provisional certification with advanced standing or initial license. This includes a passing score on the Massachusetts Tests for Educator Licensure (MTEL) both the communications/literacy portion and the subject area portion appropriate for this program, Mathematics or Middle School Mathematics, in addition to other requirements.

PROGRAM REQUIREMENTS

Upon acceptance into the program, you will complete a tentative Plan of Study in consultation with the program coordinator. You must request that any transfer credits be considered at this time. PLEASE NOTE THAT NO MORE THAN THREE COURSES TAKEN AT SALEM STATE COLLEGE BEFORE ADMISSION CAN BE COUNTED TOWARDS THE PROGRAM. You should meet regularly with the program coordinator to discuss your progress and revise your plan of study, as needed.

All candidates for this degree must 1) complete a minimum of 39 credit hours of graduate course work, as described below, and 2) achieve a 3.0 grade point average overall.

Required Courses

Credits

Education

EDG850	Issues in Mathematics Education: Programs and Trends	3
EDG851	Mathematics for all Learners	3
EDG852	Action Research in Mathematics Education	3
MSM701	Patterns, Relations and Algebra for Middle School Teachers	3
MSM703	Pre-Calculus for Middle School Teachers	3
MSM705	Geometry and Measurement for Middle School Teachers	3
MSM707	Number Systems for Middle School Teachers	3
MSM709	Data, Statistics and Probability for Middle School Teachers	3
MSM711	Linear Systems for Middle School Teachers	3
MSM713	Calculus for Middle School Teachers	3
MSM715	Discrete Mathematics for Middle School Teachers	3
MSM717	History of Mathematics for Middle School Teachers	3

Electives*

MAT704	Linear Algebra	3
MAT705	Modern Plane Geometry	3
MAT706	Theory of Numbers	3
MAT707	Mathematical Statistics	3



MAT708	Introduction to Cryptography	3
MAT710	Foundations of Mathematics	3
MAT711	Real Analysis I	3
MAT712	Topology	3

Clinical Experience

EDG992	Clinical Experience in Middle School Mathematics	3
--------	--	---

Total credits

39

*Students whose background in mathematics is strong, may, with the permission of the program coordinator, substitute one or more of the above MSM mathematics courses with one of the listed electives.