



CHEMISTRY

PROGRAM OBJECTIVES

The Master of Arts in Teaching - Chemistry, a thirty-seven to thirty-eight (37-38) hour program which is to be completed within a six (6) year period, is designed to fulfill the needs of students who possess the A.B. or B.S. degree in Chemistry and wish to pursue advanced work in Chemistry while taking courses in Education as a preparation for teaching in the field.

ADDITIONAL ADMISSIONS REQUIREMENTS

Students who do not possess a bachelors degree in the major should consult with the Program Coordinator.

Preliminary license (including a passing score on the Massachusetts Test for Educator Licensure (MTEL), both the communications/literacy portion and the subject area portion appropriate for this program) in addition to other requirements.

Coursework in adolescent psychology

PROGRAM REQUIREMENTS

The Graduate School is currently revising this program to bring it into alignment with the new Massachusetts licensure regulations. The following information will serve only as general guidelines.

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 THIS PROGRAM. You should meet regularly with the program coordinator to discuss your progress and revise your plan of study as needed. The program coordinator will assess the potential acceptance of transfer credits.

COURSE REQUIREMENTS

Education Core

	Credits
EDU808 The American High School	3
EDU876 Global Perspectives in Cultural Diversity	3
EDU990E Developing Effective Programs for Special Needs Students in the Mainstream (Pre-practicum Option)	3

Chemistry Core

CHE715 Chemistry of the Elements	3
CHE731 Advanced Physical Chemistry	3
CHE740 Topics in Organic Chemistry	3
CHE900 Seminar	1

Select at least two electives from the following list:

CHE710 Advanced Topics in Inorganic Chemistry	3
CHE720 Topics in Biochemistry	3
CHE750 Instrument Methods of Chemical Analysis	4



Education or Chemistry Research Component

(Sponsoring disciplinary department will determine the research component allocation.)

EDU737 Theories of Thinking and Learning 3

EDU738 Educational Research Across the Curriculum 3

OR

CHE910 Research 6

Clinical Experience*

EDU965 Clinical Experience 6

Total Credits

37-38

*Candidates with standard certification or professional licensure (or not seeking it) replace the Clinical Experience requirement with a six (6) credit capstone experience planned with the program coordinator and approved by the Graduate Dean.