

## SCHOOL OF GRADUATE STUDIES

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### MASTER OF ARTS IN TEACHING (MAT) BIOLOGY

#### Objectives

The Master of Arts in Teaching (MAT) Biology is designed for liberal arts graduates who wish to begin preparation for teaching biology at the secondary level or practicing teachers who want to better understand the educational process while increasing formal education in biology and meeting state licensure mandates.

#### Admissions

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

Prerequisites for this program include a course in adolescent psychology.

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

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

All candidates must complete

- a minimum of 36-38 credit hours of graduate coursework (described below)
- a comprehensive exam that is taken after most of the course work has been completed

#### Course Requirements

##### Education Core Courses

- EDU 808 The American High School 3
- EDU 876 Global Perspectives in Cultural Diversity 3
- EDU 990E Developing Effective Programs for Special Needs Students in the Mainstream 3  
(Pre-practicum option)

##### Research, Biology OR Education Discipline

- BIO 700 Research Methods in Teaching Science 3

- BIO 711      Computer Applications for the Science Teacher      4  
OR
- EDU 737      Theories of Thinking and Learning      3
- EDU 738      Educational Research Across the Curriculum      3

Biology Core Courses

- Biology electives selected in consultation with the program coordinator

Practicum Experience

- EDU 925      Practicum Experience      6  
Candidates with professional licensure (or not seeking it) replace the practicum experience requirement with a six credit capstone experience planned with the program coordinator and approved by the dean of the School of Graduate Studies.

Total Credits      36-38

**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.