



THE GRADUATE SCHOOL

www.salemstate.edu/graduate

352 Lafayette Street, Salem, MA 01970-5353

978.542.6323

email: graduate@salemstate.edu

MASTER OF ARTS IN TEACHING (MAT) – MIDDLE SCHOOL GENERAL SCIENCE

PROGRAM OBJECTIVES:

The Master of Arts in Teaching Middle School General Science is a 36 credit hour program designed to bring core content in Biology, Chemistry, Earth Science and Physics to teachers seeking initial licensure. Some courses will be available to teachers not enrolled in the program as specified below.

ADMISSIONS REQUIREMENTS:

- A completed application form, available from the Graduate School Office, and a \$35.00 non-refundable application fee made payable to Salem State College.
- A complete, official transcript documenting the award of a bachelor's degree with grades of merit from an accredited college or university in an arts and sciences major, or a major appropriate to the teaching license sought.
- Official transcripts of any graduate courses taken or degrees held.
- Three completed Reference for Graduate Admissions forms. These forms are available with the application. Please include references from people who have known you in both professional and academic capacities. Completed reference forms may have a letter attached to them.
- Official copy of test results taken within the last five years documenting satisfactory performance on either the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT). Those who hold a master's degree are exempt from this requirement.
- All students for whom English is not a first language must submit satisfactory scores on the Test of English as a Foreign Language (TOEFL), in addition to their MAT or GRE scores.
- A 500 – 1,000 word, typewritten, double-spaced statement of purpose addressing the following questions: What factors in your personal and professional history have influenced you in the past and now lead you to seek admission to this program at Salem State College? What are your long-term professional goals, and how will this program help you meet them? Is there any other information that you think would help the admissions committee to evaluate your application?

Additional requirements for the MAT - Middle School General Science:

- Preliminary licensure includes passing scores on the Massachusetts Test for Educator Licensure (MTEL), both in the communication/literacy portion and in one of the subject areas appropriate to this program. Students with no teacher preparation course work should consult with the program coordinator.
- Course prerequisites include: a college level Biology course; CHE124, General Chemistry for Life Sciences or the equivalent; an introductory Physics course; GLS100, Physical Geology or the equivalent. IDS705, Pedagogy of Scientific Methods and Inquiry, is a pre-requisite for all other IDS, BIO, CHE or GLS courses in the program.

APPLICATION DEADLINE: Rolling Admission

PROGRAM REQUIREMENTS:

All candidates for the M.A.T. in Middle School General Science must complete a minimum of thirty-six credit hours of graduate course work, as described below.

COURSE REQUIREMENTS:

- EDU 709 Instruction and Assessment in the Secondary Classroom 3
- EDU 884 Curriculum Issues in Middle School 3
- EDG 705 Responding to Diversity in the Classroom 3
- EDU 990GS Practicum and Seminar in General Science 3

- IDS 705 Pedagogy of Scientific Methods and Inquiry 3
- BIO 714 Topics in Molecular Cell Biology: The Basis of Biotechnology 3
- CHE 701 Chemistry and Its Applications for Middle School Teachers 3
- GLS 760 Geological Hazards of North America 3
- PHS 701 Physics and Its Application for Middle School Teachers 3
- BIO 715 Environmental and Conservation Biology 3
- GLS 761 Field Experiences in Earth Sciences 3
- IDS 706 Experimental Scientific Research (capstone course) 3

Subsequent to publication of this flowsheet, the Graduate School reserves the right to make changes in courses, program requirements, policies and regulations as circumstances dictate. There is no guarantee that any listed course will be offered in any given semester.