MASTER OF EDUCATION (leading to Professional Licensure)
SECONDARY GENERAL SCIENCE (5-8)

This degree is designed to meet the Massachusetts Department of Education standards leading to professional license.
This program is also approved for licensure in General Science at the middle school level.

Prerequisites:
1. Bachelor’s degree with a minimum of 31 hours of coursework in biology and the physical sciences, including the equivalents of the following Westfield State University courses: ASTR 0101, BIOL 0128, BIOL 0129, CHEM 0109, CHEM 0111, GEOL 0101, PHSC 0115, and PHSC 0117 with a minimum GPA of 2.5 and no grade lower than a C- in those courses. Students will be required to complete any of the above courses that they have not taken.
2. Initial or Professional Massachusetts licensure in General Science (5-8).
3. An introductory course in Adolescent Psychology.
4. An introductory course in Special Education.
5. An introductory course in Computer Applications.
6. An introductory course in Multicultural Education.

Required Courses:
Common Standards Coursework (15 s.h.)
EDUC 0513 Evaluation Techniques in Education
EDUC 0587 Instructional Practices: Materials & Classroom Procedures in Secondary Education
EDUC 0622 Case Studies in Middle and Secondary Education
EDUC 0632 Research in Education (research project required)
EDUC 0633 Social Cultural Theories: Foundations of Education

Standard I (18 s.h.)
Required Courses:
ASTR 0549 Integrated Physical Science: Astronomy
GEOL 0547 Integrated Physical Science: Geology
IDIS 0610 Innovations in the Teaching of Mathematics and/or the Sciences

Choose three additional courses, under advisement, from the following list, with at least one BIOL course and at least one technology course (those noted with *).
BIOL 0516 Urban Ecology
BIOL 0540 Environmental Science
BIOL 0560 Foundations of Biology
BIOL 0600 Plant Physiology
IDIS 0518 Graphing Calculators - Mathematics and Science (*)
IDIS 0530 Science Ethics
IDIS 0536 Technology for Math and Science Educators (*)
IDIS 0550 Science and Math Technology (*)

Requirements for Master's Degree: 33 s.h.

Students are required to successfully complete a written comprehensive examination to demonstrate mastery of knowledge gained in coursework and to relate concepts across the curriculum. The comprehensive exam may be taken after completing a minimum of nine of the ten non-practicum courses within the Master’s program.