M.Ed. Curriculum and Instruction: SCIENCE (5-8; 8-12)

INITIAL LICENSE OPTION

Successful applicants must have an undergraduate degree or a minimum number of credits in that in the specialization field as follows:

- **Biology**: 36 cr. in biology + 18 cr. in other sciences
- **Chemistry**: 36 cr. in chemistry + 18 cr. in other sciences
- **Physics**: 36 cr. in physics + 18 cr. in other sciences
- **Earth Science**: 36 cr. in an earth science + 18 cr. in other sciences
- **General Science**: 36 cr. in a major field of science + 18 cr. in other sciences

**FOUNDATIONS** (6cr)

01.501  Teaching Diverse Populations
01.502  Adolescent Development and Student Learning

**PREPRACTICUM**

The prepracticum occurs in the fall semester. Candidates are required to attend 4-5 full-day workshops, observe in schools and create a prepracticum binder. Additional field-based requirements are included in foundation and specialization courses.

**SPECIALIZATION (methods courses)** (15cr)

02.576  Curriculum and Teaching Science
04.525  Science for Science Teachers
04.530  Interactions and Assessment in Science
06.511  Reading in the Content Areas
06.607  Methods of Sheltered Language Instruction

**PRACTICUM AND ANALYSIS OF TEACHING SEMINAR** (9cr)

OR

**PRACTICUM EQUIVALENT AND ANALYSIS OF TEACHING SEMINAR**

One semester of fulltime teaching or student teaching (12 weeks).

Seminar meets one day a week from 4-6PM.

**TOTAL CREDITS** 30 CREDITS

Notes:
- Students should consult faculty advisors prior to registering each semester.
- Students are expected to demonstrate proficiency in applications of educational technology.
- Students are expected to have a minimum GPA of 3.25 before beginning the practicum or practicum equivalent.
- Students are expected to complete all coursework (including prerequisites) before beginning the practicum or practicum equivalent.
- Students are expected to demonstrate overall professional dispositions assessed by the faculty.
- Students must pass the Communication and Literacy Test and the specific subject area test of the Massachusetts Test for Educator Licensure prior to proceeding to the practicum.