

**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:

<i>Biology</i>	<i>36 cr. in biology + 18 cr. in other sciences</i>
<i>Chemistry</i>	<i>36 cr. in chemistry + 18 cr. in other sciences</i>
<i>Physics</i>	<i>36 cr. in physics + 18 cr. in other sciences</i>
<i>Earth Science</i>	<i>36 cr. in an earth science+ 18 cr. in other sciences</i>
<i>General Science</i>	<i>36 cr. in a major field of science + 18 cr. in other sciences</i>

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	(required)
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.
- Student 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.

March 23, 2011