BA/MST Adolescence Education: Science- Option "B"
Certification in Two High School Science Content Areas
(Biology & Chemistry, or Biology & Physics, or Biology & Earth Science, or Chemistry & Physics, or Chemistry & Earth Science, or Physics & Earth Science)

Grades 7-12
Advisement Guide

** IMPORTANT: Initial entrance into the Adolescence Science Education program requires a 3.0 GPA overall from a higher institution at the time of declaration OR an 83% average on high school transcripts if the major is declared before the start of the student’s freshman year of college.

**Program:**
- All courses in the science content area must be completed with a minimum of 2.0 or higher, with a 2.75 GPA in the Content Area (Biology, Chemistry, Geology, Physics)
- All Education courses must be completed with a numeric grade of 2.7 or higher with a 3.0 GPA in the Education major
- Students pursuing the BA/MST Secondary School Science Education - Option "B" (for dual certification in two sciences) must complete an appropriate science major and minor.
- 2.75 overall GPA required to remain in Adolescence Science Education.

Select one of the following majors and minor:
- Biology, Chemistry, Geology, or Physics major; and minor in a second science.
- Contact the Department Chair of the selected science major to declare that major, be assigned a science advisor and select appropriate courses.

**Note:** Students are responsible for their own transportation during all field experiences. This includes any required field experience prior to Student Teaching, as well as the individual placements during Student Teaching.

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<th>Date</th>
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<th>Completed</th>
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<tr>
<td>Undergraduate</td>
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<tr>
<td>3 cr. - EDLS 349 - Introduction to Middle and Secondary Education Gr. 5-12</td>
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<td>3 cr. - SECD 472 - Science Curricula, Programs, &amp; Standards (Spring Only)</td>
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<td>3 cr. - SECD 410 - Middle or Secondary Science Field Experience (Coreq. SECD 472)</td>
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<td>3 cr. - SECD 356 - Reading in the Middle &amp; Secondary Schools</td>
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<td>3 cr. - EDLS 315 - Teaching Students with Special Needs, Gr. 5-12</td>
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**Cognate Requirements:** All cognate courses must be completed prior to beginning the graduate portion of the program. All cognate courses must be completed with a 2.0 or higher.

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<td>3 cr. - PSYC 100 - Introduction to Psychology or PSYC 220 Child Development</td>
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<td>3 cr. - PSYC 321 - Psychology of Adolescence or GRED 677 - Development and Learning for teachers</td>
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<td>2 cr. - HLTH 230 - School Health (CA, SAVE, DASA)</td>
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<td>3 cr. - Modern Language requirement of the college (CL)</td>
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**For Biology Majors:**

Major in Biology - 36 cr. and
Minor in Chemistry - 22 cr. or
Minor in Physics - 19 cr. or

Minor in Geology- 19 cr. + (for Certification in Earth Science) Astronomy 3 cr + Meteorology 3 cr. = 25 cr
For Chemistry Majors:

Major in Chemistry - 33 cr. and
Minor in Biology - 23 cr. or
Minor in Physics - 19 cr. or
Minor in Geology - 19 cr. + (for Certification in Earth Science) Astronomy 3 cr. + Meteorology 3 cr. = 25 cr.

For Geology Majors:

Major in Geology (for Certification in Earth Science) - 38 cr. and
Minor in Chemistry - 22 cr. or
Minor in Physics - 19 cr. or
Minor in Biology - 23 cr.

For Physics Majors:

Major in Physics - 31 cr. and
Minor in Chemistry - 22 cr. or
Minor in Biology - 23 cr. or
Minor in Geology - 19 cr. + (for Certification in Earth Science) Astronomy 3 cr + Meteorology 3 cr. = 25 cr

Graduate
Summer

3 cr. - GRED 557 - @Writing in the Middle and Secondary School
3 cr. - IT Elective: IT 514- @Computer Applications for Content Area Teaching
IT 614- @Technology in Education
IT 621- Authoring and Scripting for Multimedia
3 cr. - GRED 555 Classroom Management/Leadership Middle and Secondary School

Fall

3 cr. - GRED 502 - @Issues in Science-Technology-Society
3 cr. - GRED 501 - @Seminar: teaching in the Secondary School
3 cr. - GRED 675 - @Secondary Science Teaching Research
3 cr. - GRED 571 - @Science Education Instruction in Secondary Schools
3 cr. - GRED 673 - @Secondary Science Field Work

Culminating Experience

3 cr. – GRED 670 – Culminating Experience – under advisement of Education Advisor

Spring
Student Teaching

Note: Students MUST apply to Student Teach TWO full semesters prior to the intended Student Teaching semester.

6 cr. - GRED 692 - @Student Teaching: Junior High School, Grades 7-9
6 cr. - GRED 697 - @Student Teaching: Senior High School, Grades 10-12
2 cr. - GRED 676 - @Student Teaching Seminar: Policies & Practice in American Education

Note – Every student at SUNY Potsdam is required to complete the College’s General Education Program, which may include courses in addition to those in the Education Program.