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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<tr>
<th>Date Planned</th>
<th>Date Completed</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Undergraduate</td>
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<tr>
<td>3 cr. - EDLS 349 - Introduction to Middle and Secondary Education Gr. 5-12</td>
<td>3 cr. - SECD 472 - @Science Curricula, Programs, &amp; Standards (Spring Only)</td>
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<tr>
<td>3 cr. - SECD 410 - @Middle or Secondary Science Field Experience (Coreq. SECD 472) (Spring Only)</td>
<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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<tr>
<td>3 cr. - PSYC 100 - Introduction to Psychology or PSYC 220 Child Development</td>
<td>3 cr. - PSYC 321 - Psychology of Adolescence or GRE 677 - Development and Learning for teachers</td>
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<td>2 cr. - HLTH 230 - School Health (CA, SAVE)</td>
<td>0-9 cr. - Modern Language requirement of the college (ML)</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 3cr + 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 3cr + 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 - 30 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 3cr + 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 693 - @Secondary Student Teaching: 9-12
6 cr. - GRED 697 - @Secondary Student Teaching 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.