BA/MST Adolescence Education: Science- Option "A"
Certification in One High School Science Content Area with Middle School Extension
Grades 7-12 with 5-6 Extension
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 "A" (certification in one High School science with a 5/6 extension) must complete an appropriate science major and a distribution in other science courses
- **2.75 overall GPA** required to remain in Adolescence Science Education.

**Select one of the following majors:**
- Biology, Chemistry, Geology, or Physics major.
- 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>
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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>
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<tr>
<td>3 cr. - SECD 472 - @Science Curricula, Programs &amp; Standards (Spring Only)</td>
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<td>3 cr. - SECD 411 - @Middle School Science Field Experience (Coreq. SECD 472) (Spring Only)</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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<tr>
<td>3 cr. - PSYC 100 - Introduction to Psychology <strong>or</strong> PSYC 220 Child Development</td>
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<td>3 cr. - PSYC 321 - Psychology of Adolescence <strong>or</strong> 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>0-9 cr. - <strong>Modern Language requirement of the college (ML)</strong></td>
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**For Biology Majors:** Major in Biology - 36 cr. and

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<tr>
<td>3 cr. - Physics - as advised</td>
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<td>3 cr. - Geology - as advised</td>
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<tr>
<td>3 cr. - Astronomy</td>
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<tr>
<td>3 cr. - Meteorology</td>
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For Chemistry Majors: Major in Chemistry - 33 cr. and

- 3 cr. - Biology - as advised
- 3 cr. - Geology - as advised
- 3 cr. - Astronomy
- 3 cr. – Meteorology

For Geology Majors: Major in Geology - 38 cr. and

- 3 cr. - Biology - as advised
- 3 cr. - Physics - as advised
- 3 cr. - Astronomy
- 3 cr. – Meteorology

For Physics Majors: Major in Physics - 31 cr. and

- 3 cr. - Biology - as advised
- 3 cr. - Geology - as advised
- 3 cr. - Astronomy
- 3 cr. – Meteorology

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 694 - Student Teaching: Middle/Junior High (5–9)
- 6 cr. - GRED 697 - Student Teaching: Senior High School (10–12) (Major Discipline)
- 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.