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.

**Undergraduate**

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3 cr. - EDLS 349 - Introduction to Middle and Secondary Education Gr. 5-12
3 cr. - SECD 472 - @Science Curricula, Programs, & Standards (Spring Only)
3 cr. - SECD 410 - @Middle or Secondary Science Field Experience (Coreq. SECD 472) (Spring Only)
3 cr. - SECD 356 - @Reading in the Middle & Secondary Schools
3 cr. - EDLS 315 - Teaching Students with Special Needs, Gr. 5-12

**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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3 cr. - PSYC 100 - Introduction to Psychology or PSYC 220 Child Development
3 cr. - PSYC 321 - Psychology of Adolescence or GRED 677 - Development and Learning for teachers
2 cr. - HLTH 230 - School Health (CA, SAVE, DASA)
0-9 cr. - Modern Language requirement of the college (ML)

**For Biology Majors:**

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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 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 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.