Fall 2022

Student Name:_____ **P#:**_____

Date Admitted & GPA:_____ **Advisor:**_____

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.

Date Planned	Date Completed	Grade	
			Undergraduate
_____	_____	_____	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 - @ Pre-Student Teaching Field Experience 1: Teaching Science in Middle School: Grades 7-9 (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**.

_____	_____	_____	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) (HW)
_____	_____	_____	3 cr. - Modern Language requirement of the college (CL)

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 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 3cr + Meteorology 3 cr. = 25 cr

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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 - @Pre-Student Teaching Field Experience: Secondary Science: Grades 7-12

Culminating Experience

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

Spring
Student Teaching

Note: Students <u>MUST</u> apply to Student Teach <u>TWO</u> 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.