

**EDUCATION PROGRAM LICENSURE REQUIREMENTS**  
**Early Adolescence through Adolescence (Ages 10 to 21, Broad Field Science)**

This License allows the holder to teach any Science class at the Early Adolescence-Adolescence level, up through grade 10, and any basic science class in grades 11 or 12 that is not: (a) part of the college preparatory sequence; (b) an advanced placement course; or (c) an elective course with more depth of content than a basic course. To teach in a, b, or c above, the teacher must have a major, minor or concentration (as explained below) in that subject area.

**General Education Requirements**

- A minimum of 28 university level credits completed.

**Meet with an Education Advisor**

Contact the Education Office to schedule a meeting.

**Communication Skills Competency (select 1)**

- Pass all three sections of the Praxis Core (CORE)  
 An ACT composite score of 23 or higher, with a minimum score of 20 in English, Math and Reading  
 Earn a “C” or better in approved coursework in Mathematics, English Composition and English.  
*See the Education website for a complete list.*

**Portion of Major Requirements Completed**

- For licensing at this level, complete the requirements for one of the following approved majors in Biology, Chemistry or Geoscience. Consult the Undergraduate Catalog for specific major requirements.

**Courses for Candidacy Application**

- EDUC 206; Cultural Images in Materials for Children and Adolescents (3 cr.) *Recommended*  
 EDUC 208; Concepts, Issues and Field Experience in Education (3 cr.) *Required*

**Apply for Candidacy in Education**

*Deadlines: First Friday in October or the Third Friday in February*

**Semester following Candidacy Acceptance**

- EDUC 290; Intro to Educational Inquiry (3 cr.)  
 EDUC 291; Educational Inquiry Field Pract (3 cr.)  
 EDUC 340; Supporting Learning & Behavior in the Classroom (3 cr.)

**Additional Required Courses for Educ Minor**

Supporting Courses

- EDUC 203; Env Educ in K-12 Schools (2 cr.)

Upper-Level Courses

- EDUC 314; Teaching Science in Middle & Secondary Schools (3 cr.)  
 EDUC 351; Field Project in a School Setting (1 cr.)  
 EDUC 361; Intro to the Art & Science of Teaching (3 cr.)  
 EDUC 422; Reading in the Content Areas (3 cr.)  
 EDUC 452; Principles of Middle Level Educ (3 cr.)

Additional Courses (see Educ Advisor for guidance):

- CHEM 207; Laboratory Safety (1 cr.)  
 BIOLOGY 201/202; Principles of Biology I (4 cr.)  
 BIOLOGY 203/204; Principles of Biology II (4 cr.)  
 CHEM 211/213; Principles of Chemistry I w/ Lab (5 cr.)  
 CHEM 212/214; Principles of Chemistry II w/ Lab (5 cr.)  
 PHYSICS 103; Fundamentals of Physics I (5 cr.) **AND**  
 PHYSICS 104; Fundamentals of Physics II (5 cr.)

**OR**

- PHYSICS 201; Principles of Physics I (5 cr.) **AND**  
 PHYSICS 202; Principles of Physics II (5 cr.)  
 GEOSCI 202; Physical Geology (4 cr.)  
 GEOSCI 203; Earth System History (3 cr.)  
 GEOSCI 222; Ocean of Air: Weather & Climate (3 cr.)

**Student Teaching Requirement (14 cr.)**

- EDUC 405; Student Teaching, 18 weeks (12 cr.)  
 EDUC 414; Seminar in Student Teaching (2 cr.)

**Broad-Field Science Concentration**

- A major, minor or concentration is required to teach upper level high school courses in a specific science subject area. Students wishing to expand their license to include specific subject areas must complete at least 15 credits of course work in that subject area. See education advisor for guidance.

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**Pre-Student Teaching Clinical Experience**

- A min of 100 hours of clinical experience in school settings is required.

**Act 31 Statutory Requirement (check one)**

- FNS 225; Intro to First Nations Studies: The Tribal World (3 cr.)  
 FNS 226; Intro to First Nations Studies: Social Justice (3 cr.)  
 FNS 374 Wisc First Nations Ethnohistory (3 cr.)  
 Other: \_\_\_\_\_

**Content Knowledge Competency (select 1):**

- Maintain a 3.0 GPA in all coursework leading to licensure  
 Complete and obtain a passing score on the PRAXIS II content knowledge test ([www.ets.org](http://www.ets.org)).

**Broad field Science Concentration\***

A major, minor or concentration is required to teach Upper-level high school courses in a specific science subject area. Students wishing to expand their general Broad Field Science license to include specific subject areas may complete a concentration which includes **at least 15 credits of course work in that subject area**. Suggested courses in addition to those listed under “Additional Courses” on the reverse side, include:

<b>Biology:</b>		<b>Geoscience:</b>	
BIOLOGY 303: Genetics	3 cr.	GEOSCI 204: Geologic Evolution of the Earth Laboratory	1 cr.
BIOLOGY 309: Evolutionary Biology	3 cr.	GEOSCI 223: Ocean of Air: Weather and Climate Laboratory	1 cr.
ENV SCI 302: Principles of Ecology	4 cr.	ENV SCI 320: The Soil Environment	4 cr.
BIOLOGY 302: Principles of Microbiology	4 cr.	ENV SCI 342: Environmental Geology	3 cr.
BIOLOGY 307: Cell Biology	4 cr.	ENV SCI 141: Astronomy	3 cr.
BIOLOGY 311: Plant Physiology	4 cr.	<i>(If not taken as a Physics course)</i>	
<u>or</u> BIOLOGY 346: Comparative Physiology	3 cr.		
<b>Chemistry:</b>			
CHEMISTRY 311: Analytical Chemistry	4 cr.		
CHEMISTRY 300: Bio-Organic Chemistry	3 cr. <u>and</u>		
CHEMISTRY 301: Bio-Organic Chem Lab	1 cr.		
<b>Physics:</b>			
PHYSICS 141: Astronomy	3 cr.		
PHYSICS 310: Modern Physics	3 cr.		

**\*For approval of a Broad Field Science Plan, see the science education advisor in the Education Program.**