

Middle Grades Education: Science

Courses required for the first year: CHEM 131, CHEM 132; PSYC 100; second language requirement
Courses recommended for the first year: BIOL 130; BIOL 140; courses Designated with a PA, PP, PL, or G
Contact: Dr. Mike Schroeder, Education Advisor (michaelschroeder@augustana.edu) or Dr. Mike Egan, Education Chair (mikeegan@augustana.edu)*

*Students interested in this major are strongly encouraged to contact Dr. Egan prior to registration for Spring Semester.

The Major in Middle Grades Education: Science

Teacher candidates majoring in Middle Grades (5-8) Science complete 32 credits from the Secondary Education Program professional sequence and 36 credits of science content which includes: BIOL 130 and 140; CHEM 131 and 132; PHYS 151 and 152; GEOG 105; GEOL 101; ASTR 145; and EDUC 386.

Candidates can also earn licensure to teach Science in grades 9-12 by completing a major in Biology Education, Chemistry Education or Physics Education.

Required Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
BIOL-130	Foundations of Biology – Molecules to Cells			F, SP	4
BIOL-140	Foundations of Biology – Organisms to Ecosystems			F, SP	4
CHEM-131	General Chemistry I			F	4
CHEM-132	General Chemistry II			SP	4
PHYS-151	Physics I			F	4
PHYS-152	Physics II			SP	4
ASTR-145	Stars and Galaxies			SP	4
GEOG-105	Weather, Climate, and Society			SP	4
GEOL-101	Physical Geology			F, SP	4

EDUC-386	Methods: 5-12 Science		EDUC 301; Retention in Teacher Education	SP	4
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Education Professional Sequence (Required)

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
EDUC 301	Educational Psychology and Assessment			F, SP	4
EDUC 310	Computers in Education		EDUC 301; Retention in Teacher Education	SP	1
EDUC 340	Methods of Inclusion	D	EDUC 301; Retention in Teacher Education	F, SP	4
EDUC 370	General Methods		EDUC 301; Retention in Teacher Education	F	4
EDUC 396	Clinical Experience 5-8		EDUC 301 and EDUC 340; Retention in Teacher Education	F, SP	1
EDUC 397	Clinical Experience 9-12		EDUC 301 and EDUC 340; Retention in Teacher Education	F, SP	1
EDUC 412	Methods of Literacy: 5-12		EDUC 301; Retention in Teacher Education	F	4
INTR-EDA90	Student Teaching	PH	EDUC 396 and EDUC 397; Retention in Teacher Education	F, SP	10
EDUC 422	Clinical Seminar	PH	Co-requisite: Student	F, SP	1

			Teaching and EDUC 450		
EDUC 450	School and Society	PH	Co-requisite: Student Teaching and EDUC 422	F, SP	2

Major Overview

This major is required for teaching licensure in Illinois in grades 5-8. Students completing this major along with all other licensure requirements are eligible for middle school teaching positions in the sciences in Illinois.

*Fall, J term, Spring, Summer; see [Academic Calendar](#) for specific dates

Updated April 2025