



Secondary Endorsement Basic Science 5-12

Students majoring in Secondary Education must complete the prescribed pre-education requirements, the requirements for the Secondary Education major, and at least one content endorsement. This endorsement can be completed as the student's first content endorsement.

Students must earn a minimum 3.0 GPA in courses required for the major and each endorsement. The grade of B or above must be earned in designated education major pre-admission and major courses, and students must earn a grade of C or above in all other courses required for the major pre-admission courses, major, and each endorsement. Please see the university catalog for additional information.

Note: the Education Department faculty strongly recommend completion of additional endorsement(s) in biology, chemistry, and/or STEM if middle school focused.

Iowa Teaching Endorsement: #1541

Requirements for the Endorsement: Methods coursework plus 31 credits content area coursework

Methods Coursework:

Essential Competencies-Outcome Skills

****Transfer courses do not receive outcome Skills****

				IL	W	O	Q	IC	V
	EDUC 348	Secondary Science Teaching Methods	2						
	EDUC 411	The Nature of STEM	2						

Content Area Coursework

Essential Competencies-Outcome Skills

****Transfer courses do not receive outcome Skills****

				IL	W	O	Q	IC	V
	BIOL 101	General Biology I	4		x				
	BIOL 102	General Biology II	4	x	x				
	CHEM 111	General Chemistry I	4				x		
	CHEM 112	General Chemistry II	4						
	PHYS 131	General Physics I	4						
	PHYS 132	General Physics II	4						
	PHSC 101	Physical and Earth Science	4				x		
	EDUC 408	STEM Teaching: Earth Science	3						

PHYS 241 and 242, Classical Physics I and II, may be substituted for PHYS 131 and 132 but require a higher prerequisite (completion of or concurrent enrollment in MATH 231).

ANY CHANGES/SUBSTITUTIONS MUST BE APPROVED BY THE GRAND VIEW UNIVERSITY EDUCATION DEPARTMENT CHAIR.

This information must be used in conjunction with the 2025-2026 Grand View University Catalog and does not reflect a student's official record of progress. Students are expected to use the Progress tool found on myView > GV Self Service when monitoring and planning coursework. Other available resources include: Course Planning Documents (found on myView under Academics) and the faculty and staff who work with academic requirements.