



Secondary Endorsement Biology 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 faculty of the education department strongly advise completion of additional endorsements in chemistry, basic science, and/or STEM if middle school focused.

Iowa Teaching Endorsement: #151

Requirements for the Endorsement: Methods coursework plus 30 credits content area coursework

Teaching Methods Requirements

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						

Science Content Requirements

				IL	W	O	Q	IC	V
	BIOL 101	General Biology I	4		x				
	BIOL 102	General Biology II	4	x	x				
	BIOL 256	Microbiology	4						
	CHEM 111	General Chemistry I	4				x		
	CHEM 112	General Chemistry II	4						
	Plus one additional upper division (300-level+) biology course		3-4						
Select 7-8 credits from the following option courses (cannot repeat course used for "Plus one additional upper division biology course" requirement)									
	BIOL 209	Environmental Science	3					x	x
	BIOL 360	Genetics	4				x	x	
	BIOL 160 and BIOL 165	Human Anatomy and Human Physiology	4 and 4						

Minimum 30 credits required in science content

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 myGVU >Tools > My Academics > 'Plan and register for courses' to monitor and plan coursework. Other available resources include: Course Planning Documents (found on myGVU under Academics and Advising Resources) and the faculty and staff who work with academic requirements.