



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 Iterations

Transfer courses do not receive outcome iterations

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

Science Content Requirements

			CI	IL	W	O	Q	GA	V
BIOL 101	General Biology I	4	x		x				
BIOL 102	General Biology II	4	x	x	x				
BIOL 256	Microbiology	4	x						
CHEM 111	General Chemistry I	4	x				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	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 2019-2020 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.