



## Secondary Initial Endorsement Mathematics 5-12

Students majoring in Secondary Education must complete the prescribed pre-education requirements, the requirements for the Secondary Education major, and choose one initial content endorsement. Students must earn a minimum 3.0 GPA in courses required for the major and each endorsement. No D grades are accepted. Please see the Secondary Education major sheet and/or the university catalog for additional information.

### Iowa Teaching Endorsement: #143

**Requirements for the Endorsement:** 34 semester credits

**Essential Competencies-Outcome Iterations**  
**\*\*Transfer courses do not receive outcome iterations\*\***

			CI	IL	W	O	Q	GA	V
	CPSC 155 or BSAD/CPSC 241	Programming Using Visual Basic or Computer Science I	3						
	MATH 231	Calculus with Analytic Geometry I	5	x			x		
	MATH 232	Calculus with Analytic Geometry II	5						
	STAT 261	Applied Statistics	3				x		
	MATH 300	Introduction to Mathematical Reasoning	3				x		
	MATH 301	Modern Geometries	3						
	MATH 331 or MATH 335	Linear Algebra or Introduction to Abstract Algebra	3						
	MATH 340	Discrete Computational Structures	3						
	MATH 450	Senior Seminar	3	x	x	x	x		x
	Any one upper level (300 or above) MATH course, excluding MATH 399		3						

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

This information must be used in conjunction with the 2018-2019 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.