



Secondary Endorsement Mathematics 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.

Iowa Teaching Endorsement: #143

Requirements for the Endorsement: Methods coursework plus 34-35 credits content area coursework

Methods Coursework:

Essential Competencies-Outcome Iterations

Transfer courses do not receive outcome iterations

			IL	W	O	Q	GA	V
EDUC 349	Secondary Mathematics Teaching Methods	2						

Content Area Coursework

Essential Competencies-Outcome Iterations

Transfer courses do not receive outcome iterations

			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		
MATH 232	Calculus with Analytic Geometry II	5						
STAT 261	Applied Statistics	3				x	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 (recommended- MATH 327, Multivariable Calculus, 4 credits, or MATH 310, Introduction to Mathematical Modeling, 3 credits)	3-4						

A student planning to double major in both Secondary Education with an endorsement in Mathematics #143 and in Applied Mathematics will need to take both MATH 327, Multivariable Calculus, 4 credits, and MATH 310, Introduction to Mathematical Modeling, 3 credits. Seven additional credits from the list of option courses within the Applied Mathematics major will also be needed. The recommended choices are MATH 399, Internship, 3 credits, and choosing one of the following four-credit courses: MATH 350, Introduction to Real Analysis, MATH 351, Introduction to Numerical Analysis, or STAT 361, Introduction to Probability Theory.

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

This information must be used in conjunction with the 2020-2021 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.