GRAND VIEW UNIVERSITY

Elementary Endorsement
STEM K-8

Students majoring in Elementary Education must complete the prescribed pre-education requirements, the requirements for the Elementary Education major, and at least one content endorsement. The Elementary Education major includes the requirements for the Elementary Education endorsement, so this additional elementary endorsement assumes its completion.

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: #975
Requirements for the Endorsement: 36 credits content area coursework

Content Area Coursework

Students must complete the designated coursework in each of the categories (A, B, C, D).

Category A: Science – 12 credits

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

				IL	W	O	Q	GA	V
	CHEM 107 or CHEM 111	Fundamentals of Organic and Biochemistry or General Chemistry I	4				x x		
	BIOL 100 or BIOL 101	How Life Works or General Biology I	4	x	x				
	PHSC 101 or PHYS 131/241 and EDUC 408	Physical and Earth Science or General Physics I/Classical Physics I and STEM Teaching: Earth Science	4 or 4/5 and 3				x	x (241)	
OR									
	A minimum of 12 credit hours of approved college level science coursework including content in Chemistry, Biology, Physics, and Earth Science		12						

Category B: Mathematics – 12 credits

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

				IL	W	O	Q	GA	V
	MATH 145	Mathematics for the Elementary Teacher I	3				x		
	MATH 155	Mathematics for the Elementary Teacher II	3						
	CPSC 155 or CPSC 241 or Approved CPSC course	Programming Using Visual Basic or Computer Science I or Approved computer programming course	3						

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.

Take 3 credits from:

				IL	W	O	Q	GA	V
	MATH 121	College Algebra	3				x		
	MATH 122	Trigonometry	3						
	MATH 231	Calculus with Analytic Geometry I	5				x		
	STAT 241	Principles of Statistics	4				x		
	Other approved college level math course		3						

Category C: Engineering – 3 credits

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

				IL	W	O	Q	GA	V
	EDUC 410	Engineering, Programming, and Design for Educators	3						

Category D: Methods – 9 credits

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

				IL	W	O	Q	GA	V
	EDUC 312	Teaching of Elementary Science (note: this course is required for all Elementary Ed majors)	3						
	EDUC 313	Teaching of Elementary Mathematics (note: this course is required for all Elementary Ed majors)	3						
	EDUC 411	The Nature of STEM	2						
	EDUC 451	Experiential STEM	1						