



Complementary Secondary Endorsement Chemistry 5-12

Complementary teaching endorsements support initial Secondary Education teaching licenses. These complementary endorsements authorize a teacher to teach in additional content areas in grades 5-12. Students must earn a minimum 3.0 GPA in courses required for each endorsement. No D grades are accepted. Please see the Secondary Education major sheet and/or the university catalog for additional information.

After completing any 5-12 Secondary Education Initial Content Endorsement in a science area, a Basic Science Endorsement may be added.

Iowa Teaching Endorsement: #152

Requirements for the Endorsement: 16-17 credits

Essential Competencies-Outcome Iterations

Transfer courses do not receive outcome iterations

				CI	IL	W	O	Q	GA	V
CHEM 111	General Chemistry I	4	x					x		
CHEM 112	General Chemistry II	4								
CHEM 321	Organic Chemistry I	5								
CHEM 341 or CHEM 351	Quantitative Analysis or Biochemistry	4 or 3						x		

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.