

Curriculum in Chemistry Education/Chemistry

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I	3	ENGL 1120 English Composition II	3
MATH 1610 Calculus I or 1617 Honors Calculus I	4	MATH 1620 Calculus II or 1627 Honors Calculus II	4
Core History I	3	Core History II	3
Core Fine Arts	3	Humanities Core	3
CHEM 1110 General Chemistry I	3	CHEM 1120 General Chemistry for Scientists and Engineers II	3
CHEM 1111 General Chemistry I Laboratory	1	CHEM 1121 General Chemistry II Laboratory	1
		EDUC 1010 Orientation to Teacher Education³	0
		17	17

Sophomore

Fall	Hours	Spring	Hours
PHYS 1500 General Physics I	4	PHYS 1510 General Physics II	4
Core Literature	3	Core Social Science	3
Core Social Science	3	COMM 1000 Public Speaking	3
CHEM 2070 Organic Chemistry I	3	Free Elective	3
CHEM 2071 Organic Chemistry I Laboratory	1	CHEM 2080 Organic Chemistry II	3
		CHEM 2081 Organic Chemistry II Laboratory	1
		14	17

Junior

Fall	Hours	Spring	Hours
FOUN 3000 Diversity of Learners and Settings³	3	CHEM 3000 Chemical Literature	1
RSED 3000/3003 Diversity and Exceptionality of Learners³	3	Chemistry Elective (3000-5000 level)	4
CHEM 3050 Analytical Chemistry	3	CHEM 3160 Survey of Physical Chemistry	3
CHEM 3051 Analytical Chemistry Laboratory	1	CTSE 4090 Curriculum and Teaching I: Science^{1,3}	4
Chemistry Elective (3000-5000 level)	3	CTRD 5003 Language and Literacy in the Content Areas³	3
CTSE 5000 Technology in Science Education³	2		
		15	15

Senior

Fall	Hours	Spring	Hours
FOUN 3120 Adolescent Development, Learning, Motivation and Assessment II^{1,3}	3	CTSE 4920/4923 Clinical Residency²	11
CHEM 5180 Biochemistry I	3	CTSE 5240/5243 Clinical Residency Seminar in Science Teaching^{1,4}	1
CHEM 5181 Biochemistry I Laboratory	1	UNIV 4AA0 University Graduation	0
BIOL 1020 Principles of Biology	3		

BIOL 1021 Principles of Biology Laboratory	1	
CTSE 5100 Curriculum and Teaching II: Science ^{1,3}	4	
	15	12

Total Hours: 122

- 1 Prerequisite: Admission to Teacher Education.
- 2 Prerequisite: Admission to Clinical Residency (application for Clinical Residency is one year in advance).
- 3 Prerequisite for Admission to Clinical Residency.
- 4 Co-requisite with Clinical Residency.

Chemistry Elective: See advisor for approved course listing.