

Degree Requirements - Chemistry BS Education Concentration

Chemistry Requirements

CHEM 211, 212	General Chemistry I and II	8
CHEM 313, 314	Organic Chemistry I and II	6
CHEM 315	Organic Chemistry Lab I	2
CHEM 321	Elementary Quantitative Analysis	4
CHEM 331	Physical Chemistry I	3
CHEM 446	Inorganic Chemistry	3
CHEM 463	General Biochemistry I	4
CHEM 336 or 465	Writing Intensive Laboratory	2
CHEM 470	Chemistry Teaching Methods	3
Chemistry Elective	Upper Level Course	3
	Total	38

Math Requirements:

MATH 113	Analytic Geometry and Calculus I	4
MATH 114	Analytic Geometry and Calculus II	4
STAT 250	Statistics	3
	Total	11

General Science Requirements:

PHYS 243 - 246 or PHYS 160-261	Physics	8
BIOL 103 or 213	Biology	4
GEOL 101	Earth Science	4
		16

Licensure Requirements:

EDUC 422	Foundations of Secondary Education	3
EDUC 472 *	Human Development and Learning	3
EDCI 473	Teaching Science in the Secondary School	3
EDCI 483	Advanced Methods of Teaching Science in the Secondary School	3
EDRD 419	Literacy in the Content Areas	3
EDCI 491**	Internship in Secondary Education	6
		21

University General Education Requirements:

Written Communication	ENGL 101, 302(3,3)	6
Oral Communication	COMM 100,101, or 104	3
Literature (view list)		3
Information Technology	IT 103	3
Western Civilization	HIST 100	3
Fine Arts		3
Global Understanding (view list)		3
		24
Electives		10
	Total	120

***Meets the general education requirement in social and behavioral Sciences**

**** meets the synthesis requirement.**