

Bachelor of Science in Education - Chemistry

Liberal Studies: As outlined in the Liberal Studies section with the following specifications: Mathematics: MATH 125 Natural Sciences: PHYS 111-112 and 121-122 or 131-141 and 132-142 Social Science: PSYC 101 Liberal Studies Elective: 3cr, MATH 126, no courses with CHEM prefix		44
College of Education: Preprofessional Education Sequence:		31
COMM 103	Digital Instructional Technology	3
EDSP 102	Educational Psychology	3
Professional Education Sequence:		
EDEX 301	Education of Students with Disabilities in Inclusive Secondary Settings	2
EDEX 323	Instruction of English Language Learners with Special Needs	2
EDSP 477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3
EDUC 242	Pre-Student Teaching Clinical Experience I	1
EDUC 342	Pre-Student Teaching Clinical Experience II	1
EDUC 441	Student Teaching	12
EDUC 442	School Law	1
EDUC 451	Teaching Science in the Secondary School	3
Major: Required Courses:		36-37
CHEM 111 (General Chemistry I) or CHEM 113 (Advanced General Chemistry I)		4
CHEM 112 (General Chemistry II) or CHEM 114 (Advanced General Chemistry II)		4
CHEM 214	Intermediate Inorganic Chemistry	3
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 325	Analytical Chemistry I	4
CHEM 341	Physical Chemistry I	4
CHEM 343	Physical Chemistry Laboratory I	1
CHEM 390	Chemistry Seminar II (1)	1
CHEM 498	Problems in Chemistry (1,2)	1
Controlled Electives:		
BIOC 301 or CHEM 351		3-4
At least 3cr additional CHEM or BIOC at or above the 300-level (2)		3
Other Requirements:		8
BIOL 202	Principles of Cell & Molecular Biology	4
GEOS 201	Foundations of Geology	4
Free Electives: (1)		0-1
Total Degree Requirements:		120

- (1) Program contains one writing-intensive course (CHEM 343), students need to acquire another W-course in Liberal Studies or as an elective.
- (2) Students in the chemistry education program who wish to earn an ACS-certified degree in chemistry must take two credits of CHEM 498, including a written report, and complete an additional 7cr, including two lab courses, of CHEM or BIOC at or above the 300-level.