

B.S. Chemistry

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

Required Courses

Item #	Title	credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 201	Research Methods in the Physical Sciences	1
CHEM 221	Modern Analytical Chemistry	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 342	Physical Chemistry II	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 462	Inorganic Chemistry	3
CHEM 475	Research Methods in Chemistry	4
	BS CHEM Electives upper division	4

Required Cognates

Item #	Title	credits
CSIS 110	Principles of Computer Programming I	3
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4

Recommended Cognates

Item #	Title	credits
MATH 321	Differential Equations	3
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1
	Intermediate Foreign Language	6
	Total credits:	78

Category Descriptions

BS CHEM Electives upper division

Credits: 4

Item #	Title	credits
CHEM 310	Environmental and Geological Chemistry	4
CHEM 421	Modern Analytical Instrumentation	4
CHEM 433	Biochemistry II	3
CHEM 434	Biochemistry II Lab	1

Intermediate Foreign Language

Credits: 6

Item #	Title	credits
CHIN 211	Intermediate Chinese I	3
CHIN 212	Intermediate Chinese II	3
SPAN 211	Intermediate Spanish I	3
SPAN 212	Intermediate Spanish II	3