

B.S. Physical Science with Chemistry Emphasis Secondary Teaching Area

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

Teacher Certification Program

The following Physical Science major is for teaching certification only. Requirements for certification are listed in the Education section of this *Bulletin*.

You must make formal application for admittance to the Teacher Education Program. Applications are available at the Education Department Office.

Content Area + Teaching Certification

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 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 341	Physical Chemistry I	4
CHEM 431	Biochemistry I	3
CHEM 432	Biochemistry I Lab	1
CHEM 462	Inorganic Chemistry	3
CHEM 475	Research Methods in Chemistry	4
PHYS 112	Introductory Astronomy	4
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
PHYS 221	General Physics with Calculus I	1
PHYS 222	General Physics with Calculus II	1

Chemistry Electives 10 Hours

6 Hours Upper-Division

Item #	Title	credits
CHEM 221	Modern Analytical Chemistry	4
CHEM 310	Environmental and Geological Chemistry	4
CHEM 342	Physical Chemistry II	4
CHEM 421	Modern Analytical Instrumentation	4
CHEM 433	Biochemistry II	3
CHEM 434	Biochemistry II Lab	1
	Total credits:	56