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

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

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

## **Teaching 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.

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

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