

# Chemistry Major with a Bachelor of Science

The Bachelor of Science degree with a major in chemistry requires a minimum of 43 credit hours of coursework in chemistry and 18 hours of cognate coursework.

**Program:** Chemistry

**Type:** Bachelor of Science, BS

## Required Courses

\* A research experience must also be completed, either with Converse faculty or in a pre-approved external summer setting. Students receiving a double major in Chemistry and Biology may satisfy the research requirement by performing research in either field.

Item #	Title	Credits
CHM 190	GENERAL CHEMISTRY	4
CHM 203	ORGANIC CHEMISTRY I	4
CHM 204	ORGANIC CHEMISTRY II	4
CHM 251	QUANTITATIVE ANALYSIS	4
CHM 307	JUNIOR SEMINAR	1
CHM 310	INORGANIC CHEMISTRY	4
CHM 315	PHYSICAL CHEMISTRY I	4
CHM 316	PHYSICAL CHEMISTRY II	4
CHM 407	SENIOR SEMINAR	2
CHM 410	INSTRUMENTAL ANALYSIS	4
CHM 415	BIOCHEMISTRY I	4
CHM 480	INTRODUCTION TO RESEARCH	1
	Chemistry Elective 300-400 Level	3-4

## Math Cognate Requirements

Item #	Title	Credits
MTH 120	CALCULUS AND ANALYTIC GEOMETRY I	4
MTH 210	CALCULUS AND ANALYTIC GEOMETRY II	3
MTH 220	CALCULUS AND ANALYTIC GEOMETRY III	3

## Physics Cognates Requirements

Complete one of the Physics course sequences below:

Item #	Title	Credits
	PHY 241 and PHY 242 Elements of Physics I and II	8
	PHY 251 and PHY 252 Essentials of Physics I and II	8
	<b>Total credits:</b>	<b>61-62</b>