

CHEMISTRY, B.A.

The B.A. in Chemistry major is appropriate for students seeking to combine foundational study in chemistry with coursework in biology and social sciences as preparation for professional school in medicine, dentistry, optometry, pharmacy, and physician's assistant. Students also may combine the B.A. major with a concentration of courses outside the natural sciences to pursue chemistry careers in non-traditional areas such as law, journalism, computers, management, etc. Finally, the B.A. Chemistry major offers students time to study abroad or pursue a more liberal education while having preparation to obtain entry-level employment as a chemist in many industries.

Contact Information

chemistry@css.edu

Learning Outcomes

Upon completing the B.A. in Chemistry, students will be able to:

1. Have strong skills in quantitative analysis and express a considerable knowledge of chemistry.
2. Be able to effectively communicate scientific principles and research outcomes through both writing and oral presentation.
3. Conduct experiments and produce data that is scientifically ethical.
4. Write a complete report of laboratory findings.

Requirements

Students must achieve the following program requirements for all courses listed under Program Requirements and Program Required Courses for the Chemistry major.

Program Requirements

Major Credits: 48

Major Residency Credits: 16

Minimum GPA: 2.0

Minimum Grade: C-

Program Required Courses

Code	Title	Credits
CHM 1110	General Chemistry I	4
CHM 1120	General Chemistry II	4
CHM 2200	Organic Chemistry I	4
CHM 2210	Organic Chemistry II	4
CHM 3000	Analytical Chemistry	4
CHM 3460	Physical Chemistry I	4
CHM 4020	Inorganic Chemistry	4
MTH 2221	Calculus I	4
MTH 2222	Calculus II	4
PSC 2001 or PSC 2011	Physics I General Physics I	4
PSC 2002 or PSC 2012	Physics II General Physics II	4
Electives		
Select 4 credits of upper-division CHM electives		4
Senior Assessment		

CHM 4000	Senior Assessment	0
Total Credits		48

Additional courses recommended for pre-medical studies are:

Code	Title	Credits
BIO 1115	Global Problems, Scientific Solutions	4
BIO 1125	Foundations in Biology	4
BIO 2020	Microbiology	3
BIO 2021	Microbiology Lab	1
BIO 2510	Human Anatomy and Physiology I	4
BIO 2520	Human Anatomy and Physiology II	4
BIO 3500	Genetics	4
PSY 2208	Lifespan Developmental Psychology	4
PSY 3423	Abnormal Psychology	4
Total Credits		32

Since each professional school may have additional, specific admission requirements, pre-professional students should consult with their advisor and professional school catalogs for further details.

Degree Requirements

To graduate from The College of St. Scholastica, baccalaureate students must meet the following minimum degree requirements.

Total Credits: 128

Upper Division Credits: 42

Residency Requirement: 32

Minimum GPA: 2.0