

# CHEMISTRY, B.S.

The B.S. in Chemistry major provides a foundation in the sub-disciplines of analytical, biological, inorganic, organic, and physical chemistry. The B.S. in Chemistry major is designed for students seeking entry-level employment as a chemist or a graduate degree in chemistry or a related discipline. Advanced coursework and a research experience in addition to the foundational courses complete the degree work for the B.S.

The Bachelor of Science (B.S.) in Chemistry at The College of St. Scholastica is accredited by the American Chemical Society (ACS), [acs.org](https://www.acs.org/) (<https://www.acs.org/>).

## Contact Information

chemistry@css.edu

## Learning Outcomes

Upon completing the B.S. 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. Act as ethical and professional members of the science community.
4. Write a complete report of laboratory experiments.

## 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: 72**

**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 3220	Intermediate Organic Chemistry	4
CHM 3240	Biochemistry I	4
CHM 3460	Physical Chemistry I	4
CHM 3470	Physical Chemistry II	4
CHM 4000	Senior Assessment	0
CHM 4020	Inorganic Chemistry	4
CHM 4060	Undergraduate Research	4
CHM 4120	Instrumental Analysis	4
MTH 2221	Calculus I	4
MTH 2222	Calculus II	4
MTH 3322	Linear Algebra	4
PSC 2011	General Physics I	4

PSC 2012	General Physics II	4
Select four credits of upper-division CHM electives		4
<b>Total Credits</b>		<b>72</b>

## 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**