

CHEMISTRY MIDDLE/ SECONDARY EDUCATION, B.A.

This program is specifically designed for students seeking Minnesota licensure (grades 5-12 or 9-12). Note: more than four years are required to complete the licensure requirements unless students enter the college with advanced standing.

Contact

chemistry@css.edu

Learning Outcomes

Upon completion of a Chemistry Middle/Secondary Education degree, students will:

1. Practice critical reflection in the analysis and improvement of their teaching.
2. Demonstrate a sound foundation of content knowledge in the subject areas they teach.
3. Understand and implement best practices in their teaching.
4. Demonstrate the dispositions critical to effective teaching.
5. Practice responsive teaching that meets the diverse needs of all students in their classrooms.
6. Collaborate effectively with stakeholders (e.g. parents, K-12 administrators, community members) to enhance student learning.

Requirements

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

Program Requirements

Major Credits: 108-109

Major Residency Credits: 16

Minimum GPA: 2.8

Minimum Grade: C in EDU Courses

Minimum Grade: C- in all other program courses

Code	Title	Credits
Chemistry Content Core Courses		
BIO 1104	Life Science	4
CHM 1110	General Chemistry I ¹	4
CHM 1120	General Chemistry II ¹	4
CHM 2200	Organic Chemistry I ¹	4
CHM 2210	Organic Chemistry II ¹	4
CHM 3000	Analytical Chemistry ¹	4
CHM 3240	Biochemistry I	4
CHM 3460	Physical Chemistry I	4
CHM 4020	Inorganic Chemistry ¹	4
MTH 2221	Calculus I	4
MTH 2222	Calculus II	4
NSC 4150	Science, Technology, and Society	4
PSC 1202	Cosmic Systems	4
PSC 2001	Physics I (and Lab)	4
PSC 2002	Physics II (and Lab)	4

Methods Course(s)

EDU 3373	Secondary Science Methods	4
Middle/Secondary Education Courses (http://catalog.css.edu/programs-az/stender-business-leadership-professional-studies/education/middle-secondary-education/#requirementstext) ²		44-45

Total Credits 108-109

¹ Course includes a Lecture and Lab component.

² Chemistry education students should also review the Middle/Secondary and K-12 Education Licensure Program (<http://catalog.css.edu/programs-az/stender-business-leadership-professional-studies/education/middle-secondary-education/#requirementstext>) requirements published by the Education Department for required coursework in education

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