

CHEMISTRY (CHE)

Degree offered: B.A. or B.S.

Requirements for the Chemistry Major (B.A. and B.S.)

The **Major in Chemistry for the B.A. Degree** consists of the following **39 hours**:

A.	CHE 101	General Chemistry I	(4 hours)
	CHE 103	General Chemistry II	(4 hours)
	CHE 201	Organic Chemistry I	(5 hours)
	CHE 202	Organic Chemistry II	(5 hours)
	CHE 303	Quantitative Analysis	(4 hours)
	CHE 400	Chemistry Seminar	(1 hour)
	CHE 402	Elementary Physical Chemistry	(4 hours)
B.	MAT 151	Calculus I	(3 hours)
C.	PHY 201	General Physics I	(4 hours)
	PHY 202	General Physics II	(4 hours)

The **Major in Chemistry for the B.S. Degree** consists of the following **42 hours**:

A.	CHE 101	General Chemistry I	(4 hours)
	CHE 103	General Chemistry II	(4 hours)
	CHE 201	Organic Chemistry I	(5 hours)
	CHE 202	Organic Chemistry II	(5 hours)
	CHE 303	Quantitative Analysis	(4 hours)
	CHE 400	Chemistry Seminar	(1 hour)
	CHE 402	Elementary Physical Chemistry	(4 hours)
B.	MAT 151	Calculus I	(3 hours)
	MAT 161	Calculus II	(3 hours)
C.	PHY 201	General Physics I	(4 hours)
	PHY 202	General Physics II	(4 hours)

Requirements for the Chemistry Minor

The **Minor in Chemistry** consists of the following **30 hours**:

A.	CHE 101	General Chemistry I	(4 hours)
	CHE 103	General Chemistry II	(4 hours)
	CHE 201	Organic Chemistry I	(5 hours)
	CHE 202	Organic Chemistry II	(5 hours)
B.	MAT111	Precalculus Algebra Or any course above MAT 111	(3 hours)
C.	PHY 201	General Physics I	(4 hours)
	PHY 202	General Physics II	(4 hours)

CHE 400 CHEMISTRY SEMINAR (CT): 1 hour
Course content varies with the needs of the students.
Prerequisite: CHE 202

CHE 402 ELEMENTARY PHYSICAL CHEMISTRY (CT): 4 hours
A course based largely on the concept of energy and the fundamental properties of matter. A general course not requiring extensive mathematical preparation. (Lec. 3, Lab. 3).
Prerequisite: CHE 103, PHY202, and MAT 161 or concurrent enrollment

CHE 405 SCIENCE OUTREACH: 1 hour
A community service program designed to train upper-level science students to host a molecular or environmental science laboratory for high school students. Students will function as a group to organize, prepare, and operate at least one laboratory for a visiting high school group. Students will be graded on their participation and submit a written reflection of their experience. This course mainly serves students preparing for allied health careers and postgraduate work.
Prerequisite: BIO 103 or BIO 104 or BIO 105, CHE 103, completion of at least 40 semester hours of coursework (Cross-listed with BIO 405)

CHE 411 SPECIAL STUDIES: 3 hours
A course for upperclassmen seeking to complete requirements in their major or minor disciplines. Subjects will be taught that do not appear in the College catalog but are of value to a student in her career objectives and/or graduate studies.
Prerequisite: Approval by the Department Head

CHE 412 SPECIAL STUDIES: 3 hours
A course for upperclassmen seeking to complete requirements in their major or minor disciplines. Subjects will be taught that do not appear in the College catalog but are of value to a student in her career objectives and/or graduate studies.
Prerequisite: Approval by the Department Head

CHE 413 SPECIAL STUDIES: 3 hours
A course for upperclassmen seeking to complete requirements in their major or minor disciplines. Subjects will be taught that do not appear in the College catalog but are of value to a student in her career objectives and/or graduate studies.
Prerequisite: Approval by the Department Head

CHE 414 SPECIAL STUDIES: 3 hours
A course for upperclassmen seeking to complete requirements in their major or minor disciplines. Subjects will be taught that do not appear in the College catalog but are of value to a student in her career objectives and/or graduate studies.
Prerequisite: Approval by the Department Head

CHE 449, 450 INDEPENDENT STUDIES: 1 hour to 2 hours
Course content varies with the needs of the students
Prerequisite: CHE 202 and approval of the Department Head and Academic Dean.