

CHEMISTRY MAJOR

This checklist is for reference only. Please see the College Catalog and check with your major adviser or department chair to assure compliance with graduation requirements.

Note: Pre-requisites in parentheses

I. Required Courses

Sem. Taken	Cr. Earned	
		a. Chemistry Core Courses (32 semester-hours)
		CHEM 105 General Chemistry I
		CHEM 106 General Chemistry II (CHEM 105)
		CHEM 305 Quantitative Analysis (CHEM 106)
		CHEM 311 Organic Chemistry I (CHEM 105, 106)
		CHEM 312 Organic Chemistry II (CHEM 311)
		CHEM 405 Inorganic Chemistry (CHEM 312)
		CHEM 451 Physical Chemistry I (CHEM 106, PHYS131, MATH 152)
		CHEM 452 Physical Chemistry II (CHEM 451)

b. Cognate Courses (16 semester-hours)

		MATH 151 Calculus I
		MATH 152 Calculus II (MATH 151)
		PHYS 131 General Physics I
		PHYS 132 General Physics II (PHYS 131)

c. Elective Courses (4 semester-hours) selected from the following list of options:

		CHEM 420 Biochemistry I (CHEM 312)
		CHEM 306 Instrumental Analysis (CHEM 305, 312)
		PHYS 462 Quantum Mechanics (PHYS 231, MATH 256)
		CHEM 480 Topics in Chemistry
		CHEM 399 Independent Study (as approved by the Chemistry faculty)
		CHEM 499 Independent Study (as approved by the Chemistry faculty)

II. Every Chemistry Major Must Complete a St. Mary's Project

		CHEM 493 St. Mary's Project
		CHEM 494 St. Mary's Project