

CHEMISTRY MINOR

The Chemistry Minor makes it possible for students to pursue their personal interests by selecting upper-level electives in Chemistry. It also permits students majoring in another field to pursue a program of study in the physical sciences.

Prerequisites may apply to many of these Electives courses. Please see individual course descriptions.

Appropriate 300-level or above courses from other departments may be substituted to meet one course of the CHEM Electives requirement with the approval of the Chemistry department chair.

Code	Title	Credits	Completed
Minor Requirements (20 credits)			
<i>Core Requirements</i>			
INCHEM-111	General Chemistry	4	_____
CHEM-112	Gen Chemistry II	4	_____
CHEM-221	Organic Chemistry I	4	_____
<i>Select two additional Chemistry courses at the 300/400 level</i>		8	_____
Total Credits		20	_____

Upon completion of the Chemistry Minor, students will:

- Have a knowledge of and an ability to apply algebra, and statistical methods to the solution of chemically related problems.
- Have an understanding of the applications and principles of chemistry to the analysis of systems.
- Have the ability to characterize systems, including the ability to systematically acquire, analyze, and interpret data.
- Have the ability to recognize, formulate, and model processes with the primary intent of recommending and implementing process improvement.
- Be able to effectively serve on interdisciplinary teams and, in many cases, be capable of leading / facilitating these teams.
- Understand that chemistry is a profession imposing significant social and ethical responsibilities with global implications that must be effectively addressed.
- Have the ability to evaluate, select and use the modern computer and information technology tools and techniques required for professional practice in the physical sciences.
- Understand the major concepts and assumptions of chemistry as it relates the physical sciences to technology and society.
- Understand the principles of chemistry, procedures of inquiry, and scientific dispositions, and learning experiences that make these aspects of the subject matter meaningful.
- Understand the importance of developing critical thinking, problem solving and performance skills as related to the profession.
- Understand the role of communication and the use of knowledge of effective verbal and nonverbal techniques to foster active inquiry, collaboration, and supportive interaction in the field.

- Understand the meaning of life-long learning, and foster relationships with colleagues and agencies in the larger community to develop professionally.