

Chemistry (CHMY)

Courses

CHMY 101 Discover Chemistry

Credits: 3

Term: (F, S)

Prerequisite: M 065 or qualifying placement score within the past 5 years

Core Class: Natural Science

This course is an introduction to chemistry that emphasizes the influence of chemistry on one's everyday life. Topics may include food chemistry, dyes and fibers, home products, acid rain, air pollution, medicines, and beauty aids. Common household products, such as soap, aspirin, toothpaste, face cream, and fertilizers are prepared in the lab.

CHMY 121 Intro to General Chem w/Lab

Credits: 4 (3 Lecture, 1 Lab)

Term: (F, S, Su)

Prerequisite: M 090 or qualifying placement score within the past 5 years.

Core Class: Natural Science

This course is a survey of the principles of inorganic chemistry with emphasis on scientific measurement; atomic structure; chemical periodicity; chemical bonding and nomenclature; chemical reactions and stoichiometry; gas laws; properties of liquids, solids, and solutions; acid-base chemistry; and some electrochemistry and nuclear chemistry. This course is designed for students entering health science or nursing programs. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion. In order to have the greatest success in this course, it is highly recommended that students possess strong algebra skills.

CHMY 123 Introduction to Organic & Biochemistry w/ Lab

Credits: 4 (3 Lecture, 1 Lab)

Term: (F, S)

Prerequisite: CHMY 121 with a grade of C- or higher

This course is a survey of the principles of organic chemistry and biochemistry with emphasis on nomenclature; structure and classification; properties; and applications of organic and biological compounds. Some discussions of metabolism and cellular processes are also included. This course is designed for students entering health science or nursing programs. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion.

CHMY 141 College Chemistry I w/Lab

Credits: 4 (3 Lecture, 1 Lab)

Term: (S)

Prerequisite: M 095 or qualifying placement score within the past 5 years

Core Class: Natural Science

The first course in the two-semester general chemistry sequence covering the general principles of modern chemistry. Topics covered include: atomic structure, stoichiometry, chemical reactions, chemical bonding, the periodic table, and the states of matter. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion. The experimental nature of the science of chemistry and the mathematical treatment of data are emphasized.

CHMY 143 College Chemistry II w/Lab

Credits: 4 (3 Lecture, 1 Lab)

Term: (S)

Prerequisite: CHMY 141 with a grade of C- or higher

Core Class: Natural Science

The second course in the two-semester general chemistry sequence.

Topics covered include: solutions, chemical equilibrium, acids and bases, thermodynamics, and kinetics. The laboratory portion of the course provides hands-on experience dealing with the topics covered in the lecture portion.