CHEM 1151K Introductory Chemistry

(3-2-4)

This course covers the basic principles of chemistry including atomic structure, bonding, solution chemistry, organic chemistry and a brief introduction to biochemistry. Laboratory exercises supplement the lecture material. Cannot be used with CHEM 1211 or PHSC 1012 to satisfy Area D.

Prerequisite: Completion or exemption of all learning support English requirements; MATH 0099, MATH 0987, MATH 0989, or satisfactory math scores to place into co-requisite remediation or higher.

Offered: All semesters.

CHEM 1211K Principles of Chemistry I

(3-3-4)

First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science plans of study. Topics to be covered include composition of matter, nomenclature, stoichiometry, solution chemistry, gas laws, thermochemistry, quantum theory and electronic structure, periodic relations, and bonding. Laboratory exercises supplement the lecture material. Cannot be used with CHEM 1151K or PHSC 1012K to satisfy Area D. Prerequisites: Completion or exemption of all learning support English requirements; MATH 0099, MATH 0987, MATH 0989, or satisfactory math scores to place into co-requisite remediation or higher.

Offered: All semesters.

CHEM 1212K Principles of Chemistry II

(3-3-4)

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science plans of study. Topics include molecular structure, intermolecular forces, properties of solutions, reaction kinetics and equilibria, thermodynamics, and electro-and nuclear chemistry. Laboratory exercises supplement the lecture material.

Prerequisite: CHEM 1211K. Offered: All semesters.

CHEM 2240K Principles of Organic Chemistry I

(3-3-4)

This course will cover the properties, methods of preparation and mechanisms of the principle classes of carbon compounds. Laboratory instruction will include basic techniques for preparation, purification and identification of organic compounds. Laboratory exercises supplement the lecture material.

Prerequisite: CHEM 1212K. Offered: Summer. Fall.

CHEM 2241K Principles of Organic Chemistry II

(3-3-4)

This is a continuation of CHEM 2240K. Laboratory exercises supplement the lecture material. Prerequisite: CHEM 2240K.

Offered: Spring, Summer.

CISM 0099 Beginning Computers

(1-0-1)

A course designed to prepare the new computer user with the basics of computer operation. Topics include how to turn the computer on, use of the mouse and the keyboard, introduction to the Internet and e-mail, and the use of a basic word processing package.

Prerequisite: None.
Offered: On demand.