

# CHEMISTRY (CHM)

**CHM 101 Life Science Chemistry**

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: MA 110 or MA 100 or MA 109

This course provides an introduction to inorganic chemistry and organic chemistry with a focus on life science applications as reflected in the selection of the text. Topics include measurement, units of concentration, the nature of atoms, states of matter, periodicity, bonding, stoichiometry, chemical reactions, thermodynamics and kinetics.

**CHM 300 Chemistry I and Lab**

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: MA 125

Topics covered include atomic structure, the periodic law, and nature of the chemical bond, chemical reactivity, stoichiometry, and acid base reactions.

**CHM 400 Chemistry II**

3 Class Hours, 2 Lab Hours, 4 Quarter Credit Hours

Prerequisites: MA 125 and (CHM 101 or CHM 300)

This course focuses on chemical reactions and related concepts. Topics include chemical bonds, solution chemistry, acids and bases, chemical equilibria, kinetics, thermodynamics and descriptive chemistry.