

CHEM& 162 : General Chemistry with Lab II

Credits 5

Quarter Offered Winter

This course focuses on physical and chemical interactions: intermolecular forces, properties of mixtures, gas laws, and thermodynamics. This course builds on the content developed in [CHEM& 161](#). Three hours of lecture and four hours of laboratory. This class may include students from multiple sections. (Elective)

Prerequisites

2.0 or higher in [CHEM& 161](#) or instructor permission

Course Outcomes

Communication - Distinguish between opinions, interpretations, and solid evidence with regard to chemical systems.

Quantitative Reasoning - Apply quantitative methods to characterize physical and chemical changes (gas laws and thermodynamics).

Information - Utilize the scientific method to explore chemical systems.

Critical Thinking - Describe chemical systems in terms of structure and energy.

Personal & Interpersonal - Define chemistry as a scientific study of matter and its impact on society and everyday life.