

# CHEM& 163 : General Chemistry with Lab III

**Credits** 5

**Quarter Offered** Spring

This course focuses on the quantitation of dynamic chemical systems: equilibrium, acid-based reactions, electrochemistry, kinetics, and nuclear reactions. This course builds on the content developed in [CHEM& 162](#). This class may include students from multiple sections. (Elective)

**Prerequisites**

2.0 or higher in [CHEM& 162](#) 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 dynamic chemical systems (equilibrium, electrochemistry, and kinetics).

Information - Utilize the scientific method to explore chemical systems.

Critical Thinking - Describe chemical systems in terms of composition and changes.

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