

# CHEM 162L : General Chemistry II Laboratory

**Credits:** 1

**Class Hours:** 3 lab

**Prerequisites:** "C" or higher in CHEM 161.

**Corequisite Courses:**

CHEM 162

**Description:** This course is an introduction to chemical principles and procedures in the laboratory that complement CHEM 162. It is intended to provide laboratory experiences that focus on general Chemistry principles related to analysis, stasis, laws, and reactions.

**Semester Offered:** Fall, Spring

**Designation:**

Diversification: Lab (Science) — DY

**Course Student Learning Outcomes (CSLOs):**

1. Students will demonstrate, under laboratory conditions, a working knowledge of various quantitative and mathematical methods used in chemistry such as dimensional analysis, graphic analysis, statistical analysis, and molar stoichiometry as applicable to the topics covered in CHEM 162.
2. Students will demonstrate a working knowledge of basic chemical laboratory practices.
3. Students will demonstrate, under laboratory conditions, and in their appropriate context, critical thinking skills and processes such as observation, classification, prediction, inference, measurement, making operational definitions, hypothesizing, experimentation, modeling, and theorization applicable to the topics covered in CHEM 162.
4. Students will demonstrate a working knowledge of laboratory safety and access to Material Safety Data Sheets (MSDS).
5. Students will demonstrate a working knowledge of scientific writing and computational skills as applied to the topics covered in CHEM 162.