

# CHM 1104: General Chemistry Lab II

Students will be required to identify all metal ions present in an unknown solution. Quantitative titrations of sodium carbonate and the total hardness of water. Synthesis of inorganic compounds and determination of the formula of a transition metal complex ion using spectroscopic methods.  
Corequisites: CHM 1152 or CHM 1156 (Note: Engineering students are waived from this lab.)

**Credits:** 1.0

**Prerequisites:**

CHM 1103

CHM 1151

CHM 1611

CHM 1103 and (CHM 1151 or CHM 1611)

**Co-Requisites:**

**Program:** [Department Chemistry and Biochemistry](#)