

CHEM 150: Foundations of Chemistry

This course is an introduction to general chemistry with an emphasis on developing problem-solving skills for students planning a professional career in science, engineering, and medical fields. We will explore basic concepts of chemistry along with the mathematics required for quantitative problem solving. The topics include elements and compounds, chemical calculations, atomic structure, bonding, stoichiometry, chemical equations, reactions in aqueous solutions, oxidation-reduction, energy and chemical changes, quantum mechanical atom, chemical equilibrium, and acids & bases & buffers. This course can be taken at the same time or before CHEM 150L. *Prevents co- or later enrollment in CHEM 112 and CHEM 115.*

Units: 3

Prerequisites:

Instructor consent.

Program: [ChemistryPhysical Science](#)