

CHEM110 : General Chemistry I

General theories and principles of chemistry are introduced and emphasized in the lecture and reinforced in the laboratory. Topics include mathematic review, significant figures, scientific notation, scientific method, the metric system, problem solving, dimensional analysis, nomenclature, chemical equations, stoichiometry, heats of reaction, calorimetry, Hess's Laws, gas laws, atomic and molecular theory, structure and chemical bonding. Meets General Education requirement for Science.

Credits 4

Lecture Hours 3

Lab/Clinical/Field Study Hours 3

Prerequisites

ENGLO80 and MATH074 or MATH099 with a grade of C or better or Placement Test score or SAT score. This is a two-semester sequence (with CHEM111) recommended for science majors who intend to transfer to four-year institutions.