

# CHEM 1411 : General Chemistry I

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Laboratory experiments support theoretical principles presented in CHEM 1411; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.

**Credits** 4

**Lecture Hours** 3

**Lab Hours** 3

**Clinical Hours** 0

**CIP**

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**Prerequisites**

MATH 1314 College Algebra, or MATH 1414 College Algebra, or equivalent academic preparation, or permission of the instructor. Three hours lecture and three hours lab per week.

**Corequisites**

CHEX 1411 General Chemistry I (lab).