

# 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. The laboratory portion includes basic laboratory experiments supporting theoretical principles presented in as defined above; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.

**Credits** 4   **Lab Hours** 3   **Lecture Hours** 3   **Lab Fee** Course Fee   **Field Experience Hours** 0

**Clinical Hours** 0   **Course Type** Academic   **Extended Hours** 1   **Practicum Hours** 0

**Contact Hours** 112

## Prerequisites

TSI Math and Reading complete, [MATH 1314](#) or equivalent academic preparation. High School Chemistry is strongly recommended.