

# CHEM 301: Organic Chemistry I

This course provides a fundamental overview of organic chemistry to students interested in pursuing careers in the sciences, engineering, or medical fields. We will explore the relationship between the structure and function of molecules, the major classes of organic compounds, and their reactions and reaction mechanisms. Students will learn how to determine molecular structure via spectroscopic techniques. In the laboratory, students will be introduced to some techniques and procedures for the isolation, purification, and characterization of organic compounds and to some of the reactions used in the organic chemistry laboratory such as the Grignard, elimination, and substitution reactions.

**Units:** 4

**Prerequisites:**

CHEM 150L

CHEM 150