

# CHEM-CHEMISTRY (CHEM)

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## **CHEM-120: Introduction to General, Organic, and Biological Chemistry with Lab**

Contact Hours: Lecture - 48, Lab - 32, Clinical - 0

Semester Hours: Theory 3, Lab 1

This is a survey course that covers the lower division chemistry disciplines of general and organic chemistry and introduces the upper division discipline of biochemistry. The general chemistry section of the course seeks to build an understanding of basic chemical processes and states of matter by starting with the definition of matter and progressing through the atom, molecules, intermolecular interactions, chemical equations and accounting. The organic chemistry section presents the major categories of organic compounds, including saturated and unsaturated hydrocarbons and oxygen- and nitrogen-containing compounds. In the biochemistry portion, students are exposed to the four major biological macromolecules with some coverage of enzymes and the central dogma of biology. Lab exercises relate to topics discussed.

Prerequisite: MATH-105N or MATH-114N