

# CHEM-251: General Biochemistry

A comprehensive survey of the chemistry and metabolism of biological compounds, including proteins, polysaccharides, lipids, and nucleic acids. Enzyme kinetics, bioenergetics, organelles, and cellular organization. Expression and processing of biological information, including DNA replication; transcription into RNA; translation into protein, regulation, and recombinant DNA techniques. A detailed computer laboratory study of structural biology, including protein and nucleic acid threedimensional structures and the interactions between these and ligands.

**Credits:** 3

**Program:** Chemistry