

BIOC 141 : Fundamentals of Biochemistry

Biological chemistry focusing on the integration of concepts from general, inorganic, and biochemistry and their application to living systems. Satisfies the one-semester chemistry requirement for pre-nursing and pre-dental hygiene majors.

Credits 3

Lecture Hours 3

Designation

DP

Prerequisites

“C” or better in MATH 25, 26, 28, 29, 75X or higher.

Course Outcomes

- Utilize precise chemical language to effectively communicate biochemical and allied health- related concepts and results.
- Analyze and apply appropriate procedures for solving biochemical and allied health-related calculations involving solids, liquids, gases, and solutions.
- Relate the location of an element in the periodic table to its electronic structure and chemical reactivity.
- Describe ionic and covalent bonding theories and apply them to the construction of proper Lewis structures and prediction of molecular characteristics.
- Relate biochemical and allied health-related concepts, theories and laws to everyday phenomena.