

# BIOL 101: Foundations in Biomedical Science I

This course examines the fundamental concepts underlying biomedical science, including the structure and function of biomolecules, such as proteins, enzymes, carbohydrates, lipids, and DNA, as well as the structure and function of cellular components, such as membranes, vesicles, organelles, and the cytoskeleton. This course is designed for students who may have previously studied biology but need a refresher on the main concepts in biomedical science as well as students without a science background who wish to gain a foundation in basic biological mechanisms.

## Learning Objectives

- Describe the characteristics of the major cellular macromolecules Explain the structure and function of major cellular components Build and hone critical thinking skills

Sample syllabus is subject to change.

**Credits:** 2

**Class Type:** Graduate Course

**Program:** Biology, Genetics, and Medicine

**Availability** Summer 2022