

BIOC 301: Introduction to Biochemistry: Molecular Biology

This course is designed to introduce students to basic biochemistry concepts and build upon them to dive deep into topics such as transcription and translation. We will also explore various biochemical and molecular biology techniques such as ELISA, PCR, RNA-Seq and many more.

Learning Objectives

- Describe the importance of cellular processes such as DNA replication, transcription and translation.
- Discuss primary literature related to course material.
- Create a project based on various biochemical tools and techniques taught in class.

Credits: 2

Class Type: Graduate Course

Prerequisites:

There are no specific prerequisites, but students are recommended to review chemistry and biology topics such as polarity, chemical bonding, mitosis, and gene expression.

Program: Biochemistry, Chemistry, Pharmacology, and Toxicology

Availability Spring 2022

Session Session A