

# BIOC 303: Biochemistry II, part 1

Biochemistry II is a continuation of Biochemistry I. The two courses provide a comprehensive overview of biochemistry at the graduate level. The spring course will cover metabolism and biosynthesis of biological macromolecules, such as glycogen, fatty acid, amino acid and nucleotide.

This is the first part of a two-part course. Registration is required separately for each part of the course.

## Learning Objectives

- Understand protein structure and thermodynamics
- Describe protein-protein interaction and structure-function relationships in biochemical systems
- Name structure and function of carbohydrates and lipids, aspects of central metabolism
- Identify nucleic acid biochemistry

**Credits:** 2

**Class Type:** Graduate Course

**Prerequisites:**

BIOC 301

BIOC 302

The above course(s) or permission from the instructor.

**Program:** Biochemistry, Chemistry, Pharmacology, and Toxicology