

CHEM 359W: Project-Based Laboratory: Biochemistry of Enzymes

This project-based, laboratory-intensive course will focus on primary literature, experimental design and techniques, data collection and analysis, and science communication in the context of biochemistry. Students will express, purify, detect, quantify, and perform biochemical assays of recombinant enzymes to gain new insights into their mechanism of action and how they may be inhibited. Students will gain experience with lab techniques such as sonication/homogenization, column chromatography, polyacrylamide gel electrophoresis, UV-Vis spectrophotometry, immunoblotting, etc. Students will communicate their results and ideas through oral presentations, research proposals, and research articles.

This course satisfies the [advanced writing skills course requirement](#).

Units: 3

Prerequisites:

CHEM 150

CHEM 150L

CHEM 301

WRIT 101

Co-Requisites:

CHEM 340

Program: [Chemistry](#)