

# CHEM 152L : Survey of Organic and Bioorganic Chemistry Laboratory

Techniques of preparation, purification, and identification of organic compounds.

**Credits** 1

**Lab Hours** 3

**Designation**

DY

**Prerequisites**

Credit for CHEM 151L and credit for or registration in CHEM 152.

**Course Outcomes**

- Develop an appreciation for the methods of scientific inquiry through laboratory experiments.
- Identify functional groups of organic chemicals using tests based on chemical properties.
- Carry out common laboratory methods of separation and purification of materials.
- Prepare polymers, esters, soap and other common organic chemicals.
- Apply laboratory safety procedures, recognize and respond to hazards.
- Gain experience in the use of several techniques to identify unknown chemicals and detect enzyme activity.