

# CHEM& 253L: ORGANIC CHEM LAB III

Preparation of representative organic compounds and qualitative organic analysis. (E)

## Course Student Learning Outcomes

1. Know and follow procedures for safe laboratory practice.
2. Keep a detailed laboratory notebook as a record of experimental procedure and outcomes.
3. Use knowledge of functional groups, electronic, and steric effects to predict/explain physical properties and reactivity of organic compounds.
4. Effectively use laboratory techniques to synthesize, isolate, and purify samples, and assess the purity and yield of final products.

Credits: 3

Prerequisites: 2.0 or higher in CHEM& 242, concurrent registration in CHEM& 243, or permission of instructor.

Program: [Chemistry](#)