

CHEM& 253 : Organic Chem Lab III

Credits 3

Preparation of representative organic compounds and qualitative organic analysis. This class may include students from multiple sections. (Elective)

Prerequisites

2.0 or higher in [CHEM& 242](#), concurrent registration in [CHEM& 243](#), or instructor permission

Course Outcomes

Know and follow procedures for safe laboratory practice.

Keep a detailed laboratory notebook as a record of experimental procedure and outcomes.

Use knowledge of functional groups, electronic, and steric effects to predict/explain physical properties and reactivity of organic compounds.

Effectively use laboratory techniques to synthesize, isolate, and purify samples, and assess the purity and yield of final products.