

# CHEMISTRY LAB (CHML)

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**CHML-101 GEN CHEM I LAB (1 Credit)**

Four hours of laboratory per week. This laboratory includes experiments designed to reinforce concepts taught in Chemistry 101.

**Corequisite(s):** Take CHEM-101

**CHML-102 GEN CHEM II LAB (1 Credit)**

Four hours of laboratory per week. This laboratory includes experiments designed to reinforce concepts taught in Chemistry 102.

**Prerequisite(s):** Take CHML-101

**CHML-201 ANALYTICAL CHEM. LAB (1 Credit)**

Four hours of laboratory a week. The analytical determinations will encompass the main techniques considered in Chemistry 201.

**Prerequisite(s):** Take CHML-102

**CHML-301 ORGANIC CHEM I LAB (1 Credit)**

Four hours of laboratory a week. This laboratory course integrates the practical aspects of organic chemistry with theory. Experiments are designed to teach basic techniques of separation, purification and analysis, and to synthesize various functional groups discussed in Chemistry 301.

**Corequisite(s):** Take CHEM-301

**CHML-302 ORGANIC CHEM II LAB (1 Credit)**

Four hours of laboratory a week. A continuation of Chemistry 301L. Synthetic experiments correlated closely with topics in Chemistry 302.

**Prerequisite(s):** Take CHML-301

**CHML-401 PHYSICAL CHEM I LAB (1 Credit)**

Four hours of laboratory per week. This laboratory includes experiments designed to reinforce concepts taught in Chemistry 401.

**Corequisite(s):** Take CHEM-401

**CHML-402 PHYSICAL CHEM II LAB (1 Credit)**

Four hours of laboratory per week. This laboratory includes experiments designed to reinforce concepts taught in Chemistry 402.

**Prerequisite(s):** Take CHML-401

**CHML-431 INSTRUMENTAL ANALYSIS LAB (1 Credit)**

Four hours of laboratory a week. Introduction to analytical techniques associated with utilizing modern instruments, such as a polarograph, UV, NMR, and IR instruments, and a gas chromatograph.