

CHEMISTRY LAB (CHML)

CHML 1025 College Chemistry Laboratory

Credit Hours: 1

Prerequisites: MAT 1033 with a grade of "C" or higher

Corequisites: CHM 1025

Lab Fee: Yes

Meets General Education requirement. This course provides laboratory experiences designed to develop the student's skills in basic chemical laboratory techniques and practices, and illustrates theoretical concepts studied in the corequisite CHM 1025 course.

CHML 1045 General Chemistry 1 Laboratory

Credit Hours: 1

Corequisites: CHM 1045

Lab Fee: Yes

The course is the laboratory portion of the first part of a two-course sequence in general chemistry intended for science majors. The course is designed to provide a unique environment based on collaborative learning and modern day applications of chemistry. Experiments will illustrate the chemical concepts taught in the lecture part of the course and will provide students with the experience required to work in a modern chemistry laboratory.

CHML 1045H Honors General Chemistry 1 Laboratory

Credit Hours: 1

Prerequisites: MAT 1033 with a grade of "C" or higher and admission to the EFSC Honors Program

Corequisites: CHM 1045H or CHM 1045

Lab Fee: Yes

Meets General Education requirement. The course is the laboratory portion of the first part of a two-course sequence in general chemistry intended for science majors. The course is designed to provide a unique environment based on collaborative learning and modern day applications of chemistry. Experiments will illustrate the chemical concepts taught in the lecture part of the course and will provide students with the experience required to work in a modern chemistry laboratory.

CHML 1046 General Chemistry 2 Laboratory

Credit Hours: 1

Prerequisites: CHM 1045 and CHML 1045 - both courses with a grade of "C" or higher

Corequisites: CHM 1046

Lab Fee: Yes

Meets General Education requirement. This course is a continuation of CHML 1045 with greater emphasis on analytical techniques and analysis and interpretation of data. This is a laboratory experience in which basic skills are presented and practiced and some applications of basic chemical principles are explored.

CHML 1046H Honors General Chemistry 2 Laboratory

Credit Hours: 1

Prerequisites: CHML 1045 or CHML 1045H with a grade of "C" or higher and admission to the EFSC Honors Program

Corequisites: CHM 1046H or CHM 1046

Lab Fee: Yes

Meets General Education requirement. A continuation of CHML 1045 or CHML 1045H with greater emphasis on analytical techniques and analysis and interpretation of data. The course is designed to provide a unique environment based on collaborative learning and modern day applications of chemistry.

CHML 2210 Organic Chemistry 1 Laboratory

Credit Hours: 1

Prerequisites: CHM 1046 and CHML 1046 - both courses with a grade of "C" or higher

Corequisites: CHM 2210 meets General Education requirement (natural sciences)

Lab Fee: Yes

A first course in fundamental techniques used in carrying out organic synthesis. Emphasis placed on basic procedural steps and lab reports.

CHML 2211 Organic Chemistry 2 Laboratory

Credit Hours: 1

Prerequisites: CHM 2210 and CHML 2210 - both courses with a grade of "C" or higher

Corequisites: CHM 2211 meets General Education requirement (natural sciences)

Lab Fee: Yes

A continuation of CHML 2210, with emphasis on application of techniques and multi-step synthesis.