

Course: CHM 116 **Course Title:** Fundamentals of Chemistry
Credit Hours: 4 **Department:** Chemistry & Biochemistry
Prerequisite: None

May also receive credit for this course through Advanced Placement

CORE-42 Category: NATURAL SCIENCES - Chemistry: Essentials in Chemistry

MOTR CHEM 100 **MOTR Hours:** 3

MOTR CHEM 100L when combined with CHM 117. The difference in credit hours and MOTR hours counts into the MOTR elective hours to reach 42 MOTR hours

Information submitted by a department representative on 5/31/2021 12:43:44 PM – Compiled by Darren Wienberg, Academic Advising & Transfer Center

Typically Offered During:

Fall Full Semester:	YES	Fall 1 st Block:	NO	Fall 2 nd Block:	NO
Spring Full Semester:	YES	Spring 1 st Block:	NO	Spring 2 nd Block:	NO
Summer:	YES				

Typical Instructional Modality:

Traditional (seated):	YES	Blended:	NO	Internet:	YES
Online Video:	NO	Web Conference:	NO		

May Also Count Toward Department Offering:

Major:	NO	Minor:	NO	Certificate:	NO
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Please see online published semester class schedule and undergraduate catalog for detailed course offering information.

How do you describe the course to students when they ask “What is this class about?” (Without using the catalog description)?

This is a one-semester introductory Chemistry course. It focuses on fundamental concepts and applications of chemistry and it is recommended for the students needing only one semester of introductory chemistry for their major/minor/certificates rather than two-semester General Chemistry sequence.

Beyond meeting a General Education requirement, what benefits can students realize from choosing this course?

As a “central” science course, CHM 116 helps develop knowledge and scientific reasoning skills applicable to many other areas of study. Many majors require additional CHM courses for which CHM 116 is a prerequisite, so taking CHM 116 early on prepares students to take those later courses.

Other than your major/minor/certificate students, what groups of students could find this course relevant to their degree program or career path?

Chemistry concepts are critical for most physical, biological / biomedical, health, and agricultural areas. It is a prerequisite for many courses required in those areas. This course is often listed as one of required classes in a number of the undergraduate programs including physical, biological / biomedical, health, and agricultural sciences. Meanwhile, it is important to carefully review the requirements of individual programs because some of those programs and many healthcare-related professional schools require the two-semester General Chemistry sequence (CHM160/161/170/171).

Catalog Description (Fall 2022 Undergraduate Catalog)

Concurrent enrollment in CHM 117 is highly recommended. Emphasis on chemical fundamentals and applications. Recommended for students needing only one semester of introductory chemistry. Cannot be counted towards a chemistry major or minor.