

**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*

**General Education Area:**

NATURAL WORLD - Physical Sciences (*GEC 108 (w/lab) / GEC 109 (no lab)*)

---

*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 <sup>st</sup> Block:	NO	Fall 2 <sup>nd</sup> Block:	NO
Spring Full Semester:	YES	Spring 1 <sup>st</sup> Block:	NO	Spring 2 <sup>nd</sup> 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
--------	----	--------	----	--------------	----

*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.