

Course: CHM 160

Course Title: General Chemistry I

Credit Hours: 4

Department: Chemistry & Biochemistry

Prerequisite: concurrent enrollment in MTH 101 or MTH 103 or eligibility for MTH 136 or higher; concurrent enrollment in CHM 161 is highly recommended.

May also receive credit for this course through Advanced Placement; International Baccalaureate

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 12:53:58 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:	NO
Online Video:	NO	Web Conference:	NO		

May Also Count Toward Department Offering:

Major:	YES	Minor:	YES	Certificate:	YES
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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 the first class in the two-semester General Chemistry sequence. It introduces many of the basic concepts of chemistry appropriate to a broad range of science majors, at a level that is significantly more rigorous than found in typical high school chemistry classes.

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

As a “central” science course, CHM 160 helps develop knowledge and scientific reasoning skills applicable to many other areas of study. Many majors require additional CHM courses for which CHM 160 is a prerequisite, so taking CHM 160 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 and biological / biomedical sciences and many of health sciences. It is a prerequisite for many courses required in those areas.

It is also pre-requisites for many healthcare-related professional schools including medical schools, pharmacy schools, dentistry schools, and optometry schools.

Nursing majors are required to complete CHM160 (preferred) or CHM116.

Catalog Description (Fall 2022 Undergraduate Catalog)

Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students. A grade of "C-" or better is required in this course in order to take CHM 170 or CHM 171. Cannot be taken Pass/Not Pass.