

**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

**CORE-42 Category:** NATURAL SCIENCES - Chemistry: Chemistry I

**MOTR CHEM 150**

**MOTR Hours:** 3

MOTR CHEM 150L when combined with CHM 161. The difference in credit hours and MOTR hours counts into the MOTR elective hours to reach 42 MOTR hours

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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 <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:	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.

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**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.