

MINOR IN CHEMISTRY

The minor in chemistry is offered to provide students with a basic understanding of the structure and behavior of matter at the atomic and molecular level. Increasingly, the control of matter at the level of individual molecules is becoming the key ingredient in sweeping technological advances such as genetic engineering, micro and molecular electronics, advanced materials, and nanotechnology. A minor in chemistry offers a strong complement to major areas of study such as biology, physics, geology, psychology, engineering, pre-medicine, and pre-professional degree programs.

General Requirements:

To complete a minor in chemistry, students take 20 credits carrying a CHE or BCM prefix, including courses that meet requirements A and B below. No part of the minor requirements may be met with transfer or AP credits, nor with independently study (CHE 290, 490), research (CHE 450, BCM 460), or experience credits (CHE 470).

A. Lower-division courses must include either of the following groups:

- CHE 106: General Chemistry Lecture I (3)
 - CHE 109: General Chemistry Lecture I (Honors & Majors) (3)

 - CHE 107: General Chemistry Lab I (1)
 - CHE 129: General Chemistry Lab I (Honors & Majors) (1)

 - CHE 116: General Chemistry Lecture II (3)
 - CHE 119: General Chemistry Lecture II (Honors & Majors) (3)

 - CHE 117: General Chemistry Lab II (1)
 - CHE 139: General Chemistry Lab II (Honors & Majors) (1)
- (8 credits)**

OR

- CHE 275: Organic Chemistry Lecture I (3)
 - CHE 276: Organic Chemistry Laboratory I (2)
- (5 credits)**

B. Upper-division courses must include 12 credits of CHE and BCM courses numbered above 299, including at least one lecture course from among the group:

- CHE 325: Organic Chemistry Lecture II (3)
- CHE 346: Physical Chemistry Lecture I (3)
- CHE 411: Inorganic Chemistry (3)
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AND at least one course with an instructional laboratory component. Examples of courses that satisfy the instructional laboratory requirement, and that mesh well with other requirements of the minor are:

- CHE 326: Organic Chemistry Laboratory II (2)
- CHE 335: Chemical and Biochemical Analysis with Laboratory (4)
- CHE 347: Physical – Analytical Chemistry Laboratory (2)
- CHE 422: Inorganic Laboratory Techniques (1)
- CHE/BCM 477: Preparation and Analysis of Proteins and Nucleic Acid (3)
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Last Updated: June 8, 2011