

# Chemistry, Minor

LACHMMIN

Do you enjoy thinking about scientific problems at the molecular level but still have interests in many different areas? This minor may be just right for you. You'll gain a strong foundation of knowledge through both theoretical and experimental courses.

## Description

The chemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major. It is especially appropriate for students whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

## At a glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe](#)

## Program requirements

[2024 - 2025 Minor Map](#)

[Minor Map \(Archives\)](#)

The minor in chemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

### Required Courses -- 20 credit hours

[CHM 113: General Chemistry I \(SCIT OR SQ\)](#) or [CHM 117: General Chemistry for Majors I \(SCIT OR SQ\)](#) AND [CHM 111: General Chemistry Laboratory for Majors I \(SCIT OR SQ\)](#) (4)

CHM 116: General Chemistry II (SCIT OR SQ) or CHM 118: General Chemistry for Majors II (SCIT OR SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SCIT OR SQ) (4)  
CHM 233: General Organic Chemistry I (3)  
CHM 237: General Organic Chemistry Laboratory I (1)  
CHM 234: General Organic Chemistry II (3)  
CHM 238: General Organic Chemistry Laboratory II (1)  
CHM 325: Analytical Chemistry (3)  
CHM 326: Advanced Analytical Chemistry Laboratory (1)

**Notes:** CHM 325 and CHM 326 should be completed at the Tempe campus for this minor.

### **Options -- 8 credit hours**

Choose one of the following options for the additional 8 credit hours. (8)

#### **Option 1**

BCH 361: Advanced Principles of Biochemistry (3)  
BCH 367: Elementary Biochemistry Laboratory (1)  
CHM 341: Elementary Physical Chemistry (3)

**Notes:** BCH 341 may not be used to substitute CHM 341.

CHM 343: Elementary Physical Chemistry Laboratory (1)

#### **Option 2**

CHM 345: Physical Chemistry I (3)

**Notes:** CHM 345 and CHM 348 are only offered in the Fall semester.

CHM 348: Physical Chemistry Laboratory I (L) (1)

CHM 346: Physical Chemistry II (3)

**Notes:** CHM 346 and CHM 349 are only offered in the Spring semester.

CHM 349: Physical Chemistry Laboratory II (L) (1)

Prerequisite courses may be needed in order to complete the requirements of this minor.

## **Enrollment requirements**

**GPA Requirement:** 2.00

**Incompatible Majors:** BS in applied biological sciences (all concentrations); BS and BA in biochemistry; BS in biochemistry (medicinal chemistry); BS and BA in chemistry; BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); BS in nutrition; BS in nutrition (human nutrition); BS in medical studies; BS in neuroscience

**Other Enrollment Requirements:** None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and

minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

## **Career opportunities**

Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A chemistry minor can benefit those who pursue careers in chemical and electronics industries, manufacturing and environmental industries, and in national research labs and forensic labs.

## **Contact information**

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