

Biochemistry, Minor

LABCHMIN

Add a minor in biochemistry to your major and expand your ability to think creatively about problems in fields as diverse as medicine and renewable energy. Anything is possible when you start to see life from a molecular perspective.

Description

The biochemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry to complement their major degree program. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology, and for students planning careers in the fields of medicine and health.

At a glance

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

Program requirements

[2024 - 2025 Minor Map](#)

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

The minor in biochemistry comprises 28 credit hours of required courses, of which 12 credit hours are at the upper-division level. Six of the 12 upper-division credit hours must be 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 -- 28 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 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)

Notes: ASU Online students will complete CHM 237 and 238 in person in a compressed summer format.

CHM 238: General Organic Chemistry Laboratory II (1)
BCH 341: Physical Chemistry with a Biological Focus (3)
BCH 461: General Biochemistry (3)
BCH 462: General Biochemistry (3)
BCH 467: Analytical Biochemistry Laboratory (L) (3)

Notes: ASU Online students will complete BCH 467 in person in a compressed summer format.

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); BA in biochemistry; BS in biochemistry; BS in biochemistry (medicinal chemistry); BS in biological sciences (genetics, cell and developmental biology); BS in biological sciences (neurobiology, physiology and behavior); BA in chemistry; BS in chemistry; BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); 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.

Attend online

ASU Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may [view the program's ASU Online page](#) for program descriptions and to request more information.

Career opportunities

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

A minor in biochemistry can help students as they pursue careers in medicine and health, chemical and biotechnology industries, research, government laboratories, environmental and food science, teaching and many other technical areas.

Contact information

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