Biochemistry, Minor

A minor in biochemistry will introduce you to thinking about life from a molecular perspective and give you the tools to solve interdisciplinary biochemical problems in areas ranging from renewable energy to medicine.

Description

The biochemistry minor 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:** College of Liberal Arts and Sciences
- **Location:** Tempe campus

2018 - 2019 Major Map
Major Map (Archives)

Program Requirements

The minor in biochemistry 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 twelve 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**

BCH 341: Physical Chemistry with a Biological Focus (3)
Notes: Prerequisites for BCH 341 include CHM 114, 116 or 118 with "C" or better; CHM 231, 233 or 333 with "C" or better; MAT 251, 265 or 270 with "C" or better; and PHY 101, 112 or 131 with "C" or better.

BCH 461: General Biochemistry (3)
BCH 462: General Biochemistry (3)
BCH 467: Analytical Biochemistry Laboratory (L) (3)
CHM 113: General Chemistry I (SQ) OR CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)

Notes: Students completing CHM 117 must also complete its corresponding CHM 111 lab.

CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)

Notes: Students completing CHM 118 must also complete its corresponding CHM 112 lab.

CHM 233: General Organic Chemistry I (3)
CHM 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)
CHM 238: General Organic Chemistry Laboratory II (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Enrollment Requirements

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in applied biological sciences (all concentrations); BS in biochemistry (medicinal chemistry); BS in chemistry (environmental chemistry); BS in forensics; BS in health sciences preprofessional; BS in human nutrition and nutrition; BS in biochemistry; BA in biochemistry; BS in chemistry; BA in chemistry

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. 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 the minor. Students should contact their academic advisor for more information.
Contact Information

School of Molecular Sciences | PSD 106
SMSadvising@asu.edu | 480-965-7667