

2024 - 2025 Minor Map

Chemistry

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe](#)

Program Requirements

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.