2020 - 2021 Minor Map
Chemistry

School/College: The College of Liberal Arts and Sciences
Location: Tempe campus

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 (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)

Notes: Students who complete CHM 117 must also complete the 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 who complete CHM 118 must also complete the corresponding CHM 112 lab.

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)

**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)

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