2018 - 2019 Minor Map
Chemistry

School/College: 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 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)
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: Prerequisites for CHM 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.

CHM 343: Elementary Physical Chemistry Laboratory (1)

Option 2
CHM 345: Physical Chemistry I (3)
   Notes: Prerequisites for CHM 345 include CHM 116 or 118 with "C" or better; CHM 240 or PHY 201 OR both MAT 274 (or MAT 275) and MAT 242 (or MAT 342 or 343) with "C" or better; MAT 267 or 272 with "C" or better; and PHY 131 or 151 with "C" or better.

CHM 346: Physical Chemistry II (3)

CHM 348: Physical Chemistry Laboratory I (L) (1)
CHM 349: Physical Chemistry Laboratory II (L) (1)

Some courses require prerequisite work in calculus and physics.

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