

Chemistry, B.S. with ACS Certification

303-556-2610 Science 323

Catalog 09-10

This sheet applies to the 2009-2010 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	37 min.
Major courses	56
Required Ancillary courses	22
Minor courses	18 min
Total to graduate (min. 40 hrs upper division)	132 min

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

GENERAL STUDIES

Composition

- ___ ENG 1010-3 Freshman Comp: the Essay
- ___ ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

Mathematics

- ___ MTH 1110-4 College Algebra or higher level math
- NOTE: MTH 1110 & MTH1120 **OR** MTH 1400 are prereq's for MTH 1410

Communications

- ___ -3

Historical

- ___ -3

Arts & Letters

- ___ -3
- ___ -3

Social Sciences

- ___ -3
- ___ -3

Natural Sciences

- ___ PHY 2311-4 General Physics I and PHY 2321 Lab- 1
 - ___ PHY 2331-4 General Physics II and PHY 2341 Lab- 1
- or**
- ___ PHY 2010-4 College Physics I and PHY 2030 Lab - 1
 - ___ PHY 2020-4 College Physics II and PHY 2040 Lab -1

Multicultural Requirement

- (may be satisfied within General Studies, major, minor or electives)
- ___ -3

MINOR (required)

MAJOR CORE

- ___ CHE 1800-4 General Chemistry I
- ___ CHE 1810-4 General Chemistry II
- ___ CHE 1850-2 General Chemistry Lab
- ___ CHE 3000-3 Analytical Chemistry
- ___ CHE 3010-2 Analytical Chemistry Lab
- ___ CHE 3100-4 Organic Chemistry I
- ___ CHE 3110-3 Organic Chemistry II
- ___ CHE 3120-2 Organic Chemistry I Lab
- ___ CHE 3130-2 Organic Chemistry II Lab

Additional Required Chemistry Courses:

- ___ CHE 2300-3 Inorganic Chemistry
- ___ CHE 3250-4 Physical Chemistry I
- ___ CHE 3260-4 Physical Chemistry II
- ___ CHE 3280-2 Physical Chemistry I Lab
- ___ CHE 3290-2 Physical Chemistry II Lab
- ___ CHE 4100-3 Instrumental Analysis
- ___ CHE 4110-2 Instrumental Analysis Lab
- ___ CHE 4300-3 Advanced Inorganic Chemistry
- ___ CHE 4310-4 Biochemistry I

Chemistry Elective 3 – in consultation with a faculty advisor:

- ___ CHE

Required ancillary courses for a B.S.:

- ___ MTH 1410-4 Calculus I
- ___ MTH 2410-4 Calculus II
- ___ MTH 2420-4 Calculus III

American Chemical Society Approval

- ___ CHE 2300-3 ___ CHE 4300-3
- ___ CHE 4100-3 ___ CHE 4310-4
- ___ CHE 4110-2

To meet American Chemical Society degree criteria, the following courses must be completed and an additional 3 hour upper-division elective is required and should be selected in consultation with the Chemistry department :

(The Senior Experience in Chemistry does not count as an elective. Students may take any approved Senior Experience.)