

Chemistry, B.S. with ACS Certification

Department of Chemistry, 303-556-2610, Science Building 3062
College of Letters, Arts, & Sciences

Catalog 14-15

This sheet applies to the 2014-15 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	38 min.	
Major courses	56	
Required Ancillary courses	12	
Minor courses	18 min.	
Total to graduate (min. 40 hrs. upper-division)	124 min.	

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

***TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

Written Communication

- ___ ENG 1010 (3 hrs) Composing Arguments*
or ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2*
 ___ ENG 1020 (3 hrs) Freshman Comp: Analysis, Research, & Documt.
 (ENG 1020 must be completed within 45 credit hours)

Oral Communication*

- ___ (3 hrs)

Quantitative Literacy*

- ___ MTH 1110 (4 hrs.) College Algebra or higher level math
*NOTE: MTH 1110 & MTH 1120 OR MTH 1400 are prereqs for MTH 1410
 do **not** take MTH 1112 College Algebra through Modeling*

Arts and Humanities

- ___ (3 hrs.)
 ___ (3 hrs.)

Historical

- ___ (3 hrs.)

Natural and Physical Sciences

- ___ PHY 2010 (4 hrs.) College Physics I and PHY 2030 Lab (1hr.)
 ___ PHY 2020 (4 hrs.) College Physics II and PHY 2040 Lab(1hr.)
or
 ___ PHY 2311 (4 hrs.) General Physics I and PHY 2321 Lab (1hr.)
 ___ PHY 2331 (4 hrs.) General Physics II and PHY 2341 Lab (1 hr.)

Social and Behavioral Sciences I

- ___ (3 hrs.)

Social and Behavioral Sciences II

- ___ (3 hrs.)

Global Diversity

- ___ (3 hrs.) may be satisfied within General Studies

MAJOR COURSES (Please see Faculty Advisor in CHE department)

A grade of C or better is required for each course in the program to count toward the bachelor's degree.

- ___ CHE 1800 (4 hrs.) General Chemistry I
 ___ CHE 1810 (4 hrs.) General Chemistry II
 ___ CHE 1850 (2 hrs.) General Chemistry Lab
 ___ CHE 2300 (3 hrs.) Inorganic Chemistry
 ___ CHE 3000 (3 hrs.) Analytical Chemistry
 ___ CHE 3010 (2 hrs.) Analytical Chemistry Lab
 ___ CHE 3100 (4 hrs.) Organic Chemistry I
 ___ CHE 3110 (3 hrs.) Organic Chemistry II
 ___ CHE 3120 (2 hrs.) Organic Chemistry I Lab
 ___ CHE 3130 (2 hrs.) Organic Chemistry II Lab
 ___ CHE 3250 (4 hrs.) Physical Chemistry I
 ___ CHE 3260 (4 hrs.) Physical Chemistry II
 ___ CHE 3280 (2 hrs.) Physical Chemistry I Lab
 ___ CHE 3290 (2 hrs.) Physical Chemistry II Lab
 ___ CHE 4100 (2 hrs.) Instrumental Analysis
 ___ CHE 4110 (2 hrs.) Instrumental Analysis Lab
 ___ CHE 4310 (4 hrs.) Biochemistry

Chemistry Electives 6 hours – in consultation with a CHE faculty advisor:

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

- ___ CHE Upper-Division
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Required ancillary courses for a B.S.:

- ___ MTH 1410 (4 hrs.) Calculus I
 ___ MTH 2410 (4 hrs.) Calculus II
 ___ MTH 2420 (4 hrs.) Calculus III

Multicultural Requirement

(may be satisfied within General Studies, major, minor or elective)

A 3 credit hour **Senior Experience** is required if not taken in the Major; see approved selections and prerequisites.