

# Chemistry, B.S. (also see Chemistry B.S. with ACS Certification)

Department of Chemistry, 303-556-2610, Science Building 3062

College of Letters, Arts, & Sciences

Catalog 15-16

This sheet applies to the 2015-16 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	34 min
Major courses	48
Ancillary courses	12
Minor courses	18 min.
<b>Total to graduate (min. 40 hrs. upper-division)</b>	<b>120 min.</b>

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 (1 hr.)  
\_\_\_ 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 dept.

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 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 4950 (3 hrs.) Senior Experience  
Students may take any Senior Experience approved by the university.

Chemistry Electives – A minimum of 10 hours of upper division chemistry in consultation with a CHE faculty advisor:

- \_\_\_ CHE  
\_\_\_ CHE  
\_\_\_ CHE

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.

**MINOR** (required)