

Chemistry, B.S. with ACS Certification

303-556-2610 Science Building 3062

School of Letters, Arts, & Sciences

Catalog 13-14

This sheet applies to the 2013-14 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-CREDIT HOURS AT MSU-Denver

Written Communication

- ___ ENG 1010 (3 hrs.) Composing Arguments*
or ___ ENG 1008/1009 (6 hrs.) Composing Arguments, Parts I & II*
___ ENG 1020 (3 hrs.) Freshman English: Rsrch, Anly, & Documt.
(to be completed within 60 credits at Metro)

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 prereq's for MTH 1410

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 a Faculty Advisor)

- ___ 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 faculty advisor:

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

- ___ CHE Upper-Division
___ CHE Upper-Division

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)