

Chemistry, B.S., Criminalistics Concentration

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
Major courses	50
Required ancillary courses	20-22
Required Options: A or B	10-20
Total to graduate (min. 40 hrs. upper-division)	120 (Option A) 127-130 (Option 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

- One of the following year-long physics sequences:
 PHY2010 (4 hrs.) College Physics I & PHY2030 (1 hrs.) College Physics I Lab
 PHY2020 (4 hrs.) College Physics II & PHY2040 (1 hrs.) College Physics II Lab
Or PHY2311 (4 hrs.) General Physics I & PHY2321 (1 hrs.) General Physics I Lab
 PHY2331 (4 hrs.) General Physics II & PHY2341 (1 hrs.) General Physics II Lab

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 in CHE department)

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

- CHE1800 (4 hrs.) General Chemistry I
 CHE1810 (4 hrs.) General Chemistry II
 CHE1850 (2 hrs.) General Chemistry Lab
 CHE3000 (3 hrs.) Analytical Chemistry
 CHE3010 (2 hrs.) Analytical Chemistry Lab
 CHE3100 (4 hrs.) Organic Chemistry I
 CHE3110 (3 hrs.) Organic Chemistry II
 CHE3120 (2 hrs.) Organic Chemistry I Lab
 CHE3130 (2 hrs.) Organic Chemistry II Lab

Additional Required Chemistry Courses:

- CHE4100 (3 hrs.) Instrumental Analysis
 CHE4110 (2 hrs.) Instrumental Analysis Lab
 CHE4310 (4 hrs.) Biochemistry I
 CHE4350 (1 hrs.) Biochemistry Lab

Required Criminalistics Courses:

- CHE2710 (3 hrs.) Introduction to Criminalistics
 CHE3700 (4 hrs.) Criminalistics I
 CHE3710 (4 hrs.) Criminalistics II
 CHE4710 (3 hrs.) Criminalistics Internship II (Senior Experience)

Required Ancillary courses:

- BIO1080 (3 hrs.) General Introduction to Biology & BIO1090-1 Lab
 BIO3050 (4 hrs.) Cell and Molecular Biology
 BIO3600 (4 hrs.) General Genetics
 CJC2140 (3 hrs.) Criminal Procedure
 MTH1210 (4 hrs.) Introduction to Statistics
or MTH3210 (4 hrs.) Probability and Statistics
 MTH1410 (4 hrs.) Calculus I

Required Physical Chemistry Options (Select A or B):

- | Option A: | | Option B: | |
|---|--|--|--|
| <input type="checkbox"/> CHE3190 (4 hrs.) | <input type="checkbox"/> CHE 3250 (4 hrs.) | <input type="checkbox"/> CHE 3290 (2 hrs.) | |
| <input type="checkbox"/> CHE3200 (1 hrs.) | <input type="checkbox"/> CHE 3280 (2 hrs.) | <input type="checkbox"/> MTH 2410 (4 hrs.) | |
| <input type="checkbox"/> CHE4700 (5 hrs.) | <input type="checkbox"/> CHE 3260 (4 hrs.) | <input type="checkbox"/> MTH 2420 (4 hrs.) | |

Multicultural Requirement

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