

Chemistry, B.S., Criminalistics Concentration

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	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

- ___ PHI 1030 Introduction to Ethics (3 hrs.)
___ (3 hrs.)

Historical

- ___ (3 hrs.)

Natural and Physical Sciences

- One of the following year-long physics sequences:
___ PHY 2010 (4 hrs.) College Physics I & PHY2030 (1 hr.) College Physics I Lab
___ PHY 2020 (4 hrs.) College Physics II & PHY2040 (1 hr.) College Physics II Lab
Or
___ PHY 2311 (4 hrs.) General Physics I & PHY2321 (1 hr.) General Physics I Lab
___ PHY 2331 (4 hrs.) General Physics II & PHY2341(1 hr.) General Physics II Lab

Social and Behavioral Sciences I

- ___ CJC 1010 Introduction to Criminal Justice System (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.

- ___ 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

Additional Required Chemistry Courses:

- ___ CHE 4100 (3 hrs.) Instrumental Analysis
___ CHE 4110 (2 hrs.) Instrumental Analysis Lab
___ CHE 4310 (4 hrs.) Biochemistry I
___ CHE 4350 (1 hrs.) Biochemistry Lab

Required Criminalistics Courses:

- ___ CHE 2710 (3 hrs.) Introduction to Criminalistics
___ CHE 2711 (1 hr.) Introduction to Criminalistics Lab
___ CHE 3700 (4 hrs.) Criminalistics I
___ CHE 3710 (4 hrs.) Criminalistics II
___ CHE 4710 (3 hrs.) Criminalistics Internship II (Senior Experience)

Required Ancillary courses:

- ___ BIO1080 (3 hrs.) General Introduction to Biology & BIO1090-1 Lab
___ BIO 3050 (4 hrs.) Cell and Molecular Biology
___ BIO 3600 (4 hrs.) General Genetics OR BIO 3610 Genetics: Principles
___ CJC 2140 (3 hrs.) Criminal Procedure (CJC 3110 Constitutional Issues in Criminal Procedure is an acceptable substitution. See department.)
___ 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: | |
|----------------------|-----------------------|-----------------------|--|
| ___ CHE3190 (4 hrs.) | ___ CHE 3250 (4 hrs.) | ___ CHE 3290 (2 hrs.) | |
| ___ CHE3200 (1 hrs.) | ___ CHE 3280 (2 hrs.) | ___ MTH 2410 (4 hrs.) | |
| ___ CHE4700 (5 hrs.) | ___ CHE 3260 (4 hrs.) | ___ MTH 2420 (4 hrs.) | |

___ Multicultural Requirement

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