

# Chemistry, B.S., Criminalistics Concentration

303-556-2610 Science Building 3062

Catalog 12-13

This sheet applies to the 2012-13 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	Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.
Required ancillary courses	20-22	
Required Options: A or B	10-20	
<b>Total to graduate (min. 40 hrs upper-division)</b>	<b>120 (Option A) 127-130 (Option B)</b>	

**\*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS MAJOR COURSES (Please see a Faculty Advisor)**

Written Communication

- ENG 1010 (3 hrs.) Freshman English: The Essay\*
- or**  ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II\*
- ENG 1020 (3 hrs.) Freshman English: Anal., Rsrch. & Docum.  
(must be completed within 45 credit hours)

Quantitative Literacy\*

- MTH 1110 (4 hrs.) College Algebra or higher level math

Oral Communication\*

- (3 hrs.)

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 hr.) Coll Phys I Lab
- PHY2020 (4 hrs.) College Physics II & PHY2040 (1 hr.) Coll Phys II Lab
- or**
- PHY2311 (4 hrs.) General Physics I & PHY2321 (1 hr.) Gen Phys I Lab
- PHY2331 (4 hrs.) General Physics II & PHY2341 (1 hr.) Gen Phys 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

- 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):**

- |   |  |  |  |
|---|--|--|--|
| <b>Option A:</b>                          |  | <b>Option B:</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)