

# Chemistry, B.S., Criminalistics Concentration

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
Major courses	50
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)</b> <b>127-130 (Option B)</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-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

### 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)

- \_\_\_ 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:             |  |
|----------------------|-----------------------|-----------------------|--|
| ___ 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)