

# Chemistry, B.S. with ACS Certification

303-556-2610 Science Building 3062

Catalog 11-12

This sheet applies to the 2011-12 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         |
| <b>Total to graduate (min. 40 hrs upper division)</b> | <b>124 min</b> |

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

## GENERAL STUDIES LEVEL I Complete during your first 30 hours at Metro

### Composition

- \_\_\_ ENG 1010-3 Freshman Comp: the Essay
- \_\_\_ ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

### Mathematics

- \_\_\_ MTH 1110-4 College Algebra or higher level math
- NOTE: MTH 1110 & MTH1120 **OR** MTH 1400 are prereq's for MTH 1410

### Communications

- \_\_\_ -3

## GENERAL STUDIES LEVEL II

### Historical

- \_\_\_ -3

### Arts & Letters

- \_\_\_ -3
- \_\_\_ -3

### Social Sciences

- \_\_\_ -3
- \_\_\_ -3

### Natural Sciences

- \_\_\_ PHY 2010-4 College Physics I and PHY 2030 Lab—1
  - \_\_\_ PHY 2020-4 College Physics II and PHY 2040 Lab—1
- or**
- \_\_\_ PHY 2311-4 General Physics I and PHY 2321 Lab—1
  - \_\_\_ PHY 2331-4 General Physics II and PHY 2341 Lab—1

### Multicultural Requirement

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

- \_\_\_ -3

MINOR (required)

## MAJOR CORE

- \_\_\_ CHE 1800-4 General Chemistry I
- \_\_\_ CHE 1810-4 General Chemistry II
- \_\_\_ CHE 1850-2 General Chemistry Lab
- \_\_\_ CHE 3000-3 Analytical Chemistry
- \_\_\_ CHE 3010-2 Analytical Chemistry Lab
- \_\_\_ CHE 3100-4 Organic Chemistry I
- \_\_\_ CHE 3110-3 Organic Chemistry II
- \_\_\_ CHE 3120-2 Organic Chemistry I Lab
- \_\_\_ CHE 3130-2 Organic Chemistry II Lab
- \_\_\_ CHE 2300-3 Inorganic Chemistry
- \_\_\_ CHE 3250-4 Physical Chemistry I
- \_\_\_ CHE 3260-4 Physical Chemistry II
- \_\_\_ CHE 3280-2 Physical Chemistry I Lab
- \_\_\_ CHE 3290-2 Physical Chemistry II Lab
- \_\_\_ CHE 4100-3 Instrumental Analysis
- \_\_\_ CHE 4110-2 Instrumental Analysis Lab
- \_\_\_ CHE 4300-3 Advanced Inorganic Chemistry
- \_\_\_ CHE 4310-4 Biochemistry I

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
- \_\_\_ CHE

Required ancillary courses for a B.S.:

- \_\_\_ MTH 1410-4 Calculus I
- \_\_\_ MTH 2410-4 Calculus II
- \_\_\_ MTH 2420-4 Calculus III