

Biology Major, B.S., Medical Technology Concentration

303-556-3213 Science Building 2042

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	41-42
Major courses	40
Minor in Chemistry (required)	17
Electives	21-22
Total to graduate (min. 40 hrs upper division)	120 min

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

- ___ ENG1010-3 Freshman English: The Essay
- ___ ENG1020-3 Freshman English: Anal., Rsrch. & Docum.

Mathematics

- ___ MTH1110-4 College Algebra or higher level math
- ___ MTH-3-4

Communications

- ___ -3

GENERAL STUDIES LEVEL II

Historical

- ___ -3

Arts & Letters

- ___ -3
- ___ -3

Social Sciences

- ___ -3
- ___ -3

Natural Sciences

- ___ CHE1800-4 General Chemistry I
- ___ CHE1810-4 General Chemistry II
- ___ CHE1850-2 General Chemistry Lab

Multicultural Requirement

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

- ___ -3

Additional Requirements

- One year of math starting with MTH1110 or higher (see General Studies)
- One year of general college chemistry (see General Studies)
- One semester upper-division organic chemistry (see required CHE minor)
- One semester upper-division biochemistry (see required CHE minor) CHE

MAJOR COURSES

- ___ BIO 1080-3 General Biology I
- ___ BIO 1090-1 General Biology Lab I
- ___ BIO 1081-3 General Biology II
- ___ BIO 1091-1 General Biology Lab II
- ___ BIO 2400-4 General Microbiology
- ___ BIO 3350-4 Immunology
- ___ BIO 3600-4 General Genetics
- ___ BIO 4440-3 Virology
- ___ BIO 4510-4 Microbial Ecology (Senior Experience)
- ___ BIO 4450-5 Pathogenic Microbiology

In consultation with a faculty advisor, select from the following courses to complete 21 hrs of upper-division & 40 total hrs required for the Biology major:

- ___ BIO 3050-4 Cell and Molecular Biology
- ___ BIO 3210-4 Histology
- ___ BIO 3270-4 Parasitology
- ___ BIO 3360-4 Animal Physiology
- ___ BIO 4160-4 Mycology

Medical Technology Internship Required

Must be completed at an approved school of medical technology.

Required Non-Biology Courses:

One year of Math starting with MTH 1110 or higher (see General Studies)

Required Chemistry Minor:

- ___ CHE 3000-3 Analytical Chemistry
- ___ CHE 3010-2 Analytical Chemistry Lab
- ___ CHE 3100-4 Organic Chemistry I
- ___ CHE 3110-4 Organic Chemistry II*
- ___ CHE 3120-2 Organic Chemistry I Lab
- ___ CHE 3130-2 Organic Chemistry II Lab*

* or other upper-division chemistry (see faculty advisor)

ELECTIVES

A 3 hour Senior Experience is required if not taken in the Major; see approved selections and prerequisites.