

Biology , B.S., Medical Technology Concentration

303-556-3213 Science Building 2042

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	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.

*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
___ MTH (3-4 hrs.)

Arts and Humanities

- ___ (3 hrs.)
___ (3 hrs.)

Historical

- ___ (3 hrs.)

Natural and Physical Sciences

- ___ CHE1800 (4 hrs.) General Chemistry I
___ CHE1810 (4 hrs.) General Chemistry II
___ CHE1850 (2 hrs.) General Chemistry 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)

- ___ BIO 1080 (3 hrs.) General Biology I
___ BIO 1090 (1 hrs.) General Biology Lab I
___ BIO 1081 (3 hrs.) General Biology II
___ BIO 1091 (1 hrs.) General Biology Lab II
___ BIO 2400 (4 hrs.) General Microbiology
___ BIO 3350 (4 hrs.) Immunology
___ BIO 3600 (4 hrs.) General Genetics
___ BIO 4440 (3 hrs.) Virology
___ BIO 4510 (4 hrs.) Microbial Ecology (Senior Experience)
___ BIO 4450 (5 hrs.) 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 hrs.) Cell and Molecular Biology
___ BIO 3210 (4 hrs.) Histology
___ BIO 3270 (4 hrs.) Parasitology
___ BIO 3360 (4 hrs.) Animal Physiology
___ BIO 4160 (4 hrs.) 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 hrs.) Analytical Chemistry
___ CHE 3010 (2 hrs.) Analytical Chemistry Lab
___ CHE 3100 (4 hrs.) Organic Chemistry I
___ CHE 3110 (4 hrs.) Organic Chemistry II*
___ CHE 3120 (2 hrs.) Organic Chemistry I Lab

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

___ **Multicultural Requirement** (may be satisfied within General Studies, major, minor, or as an elective)

ELECTIVES