

Biology, B.S., Cell and Molecular 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	35
CCA courses	8
Minor/second major in Chemistry	26
Electives	10
Total to graduate (min. 40 hrs upper division)	120

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 Comp: The Essay
- ___ ENG1020-3 Freshman Comp: 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 electives*)
- ___ -3

ELECTIVES

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 2400-5 General Microbiology
- ___ BIO 3050-4 Cell and Molecular Biology
- ___ BIO 3600-4 General Genetics (check catalog for prerequisites)
- ___ BIO 4510-4 Microbial Ecology (Senior Experience)

Required Community College of Aurora courses:

- ___ BIO 268-4 Methods in Cell Biology and Immunology
- ___ BIO 269-4 Nucleic Acid Techniques and Molecular Cloning

Select 10 hours of the following in consultation with a faculty advisor:

- ___ BIO 3210-4 Histology
- ___ BIO 3270-4 Parasitology
- ___ BIO 3340-3 Endocrinology
- ___ BIO 3350-4 Immunology
- ___ BIO 3400-4 Microbial Physiology
- ___ BIO 4050-4 Advanced Cell and Molecular Biology
- ___ BIO 4060-2 Cellular and Molecular Biology Laboratory
- ___ BIO 4440-3 Virology
- ___ BIO 4450-5 Pathogenic Microbiology
- ___ BIO 4470-4 Microbial Genetics
- ___ BIO 3980/4980-2 Internship/Independent Study

Required Non-Biology courses

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

CHEMISTRY MINOR REQUIRED or second major in Chemistry.