

Biology , B.A.

Department of Biology, 303-556-3213, Science Building 2042

College of Letters, Arts, & Sciences

Catalog 14-15

This sheet applies to the 2014-15 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	33 min.
Major courses	40
Minor	18 min.
Required Non-Biology	5
Electives	24
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 COLLEGE-LEVEL CREDIT HOURS**

Written Communication

- ___ ENG 1010 (3 hrs) Composing Arguments*
- or** ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2*
- ___ ENG 1020 (3 hrs) Freshman Comp: Analysis, Research, & Documt.
(ENG 1020 must be completed within 45 credit hours)

Oral Communication*

- ___ (3 hrs)

Quantitative Literacy*

- ___ MTH 1112 (4 hrs.) College Algebra through Modeling
(recommended—see your BIO department advisor)

Arts and Humanities

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

Historical

- ___ (3 hrs.)

Natural and Physical Sciences

- ___ CHE 1100 (4 hrs.) Principles of Chemistry
 - ___ CHE 1150 (1 hrs.) Principles of Chemistry Lab
- A 1 hr. deviation is allowed provided student has 33 hrs. of General Studies.

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 Faculty Advisor in BIO department)

- ___ 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 3600 (4 hrs.) General Genetics (check catalog for prereqs.)
 or BIO 3600 (4 hrs) Genetics: Principles and Analysis

Select two of these options:

- ___ Option 1: BIO 2100 (5 hrs.) General Botany
- ___ Option 2: BIO 2400 (5 hrs.) General Microbiology
- ___ Option 3: BIO 2310 (4 hrs.) and BIO 2320 (4 hrs.)
 Human Anatomy & Physiology I & II
- ___ Option 4: BIO 3050 (4 hrs.) Cell and Molecular Biology
- ___ Option 5: Either BIO 3200 (4 hrs.) Invertebrate Zoology **or**
 BIO 3260 (4 hrs.) Vertebrate Zoology

Select one of the following:

- ___ BIO 4510 (4 hrs.) Microbial Ecology (Senior Experience)
- ___ BIO 4540 (4 hrs.) Plant Ecology (Senior Experience)
- ___ BIO 4550 (4 hrs.) Animal Ecology (Senior Experience)

Required Non-biology course

- ___ CHE 2100 (5 hrs.) Intro to Organic & Biological Chemistry
(or equivalent-see department)

Biology Electives – Biology courses selected from the 2000, 3000, and 4000-level series, and approved by faculty advisors in the Biology Department, must be completed to bring the total of biology courses approved for the major to 40 semester hours. At least 21 hours of the major must be upper-division Biology.

___ Multicultural Requirement

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

MINOR (required)

ELECTIVES