

Biology, B.A.

303-556-3213 Science Building 2042

Catalog 12-13

This sheet applies to the 2012-13 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	Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.
Minor	18 min	
Required Non-Biology	5	
Electives	24	
Total to graduate (min. 40 hrs upper-division)	120 min	

***TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

Written Communication

- ENG 1010 (3 hrs.) Freshman English: The Essay*
- or** ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
- ENG 1020 (3 hrs.) Freshman English: Anal., Rsrch. & Docum.
(must be completed within 45 credit hours)

Quantitative Literacy*

- MTH 1112 (4 hrs.) College Algebra through Modeling
(recommended though not required)

Oral Communication*

- (3 hrs.)

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 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 3600 (4 hrs.) General Genetics (check catalog for prereqs.)

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)

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 semester hours of the major must be upper-division Biology.

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

Multicultural Requirement

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

MINOR (required)

ELECTIVES