

Biology Major B.A. Degree

Student:

Updated 05/09/2024

1. Pre- and Co-requisites

Term/Year	Course
	Biology 122 Introduction to Biology: Genetics and Evolution (3 credits)
	Biology 122 Lab (1 credit)
	Biology 123 Introduction to Biology: Molecular Biology (3 credits)
	Biology 123 Lab (1 credit)
	Chemistry 110 General Chemistry I (3 credits)
	Chemistry 110 Lab (1 credit)
	Chemistry 111 General Chemistry II (3 credits)
	Chemistry 111 Lab (1 credit)
	Chemistry 210 Organic Chemistry I (3 credits)
	Chemistry 210 Lab (1 credit)
	Math 130 Introduction to Statistics (3 credits)
	Math 130L Introduction to Statistics Lab (1 credit)
	Philosophy 340 Bioethics (3 credits)
	Math 115 College Algebra (3 credits) AND Math 124 Transcendental Functions (1.5 credits) OR Math 140 Elements of Calculus (3 credits)

2. Core Areas in Biology

Term/Year	Course
	Any one organismal biology course with associated lab (see next row): Biology 210, Biology 220, Biology 225, Biology 245, or Biology 250
	Biology 210L, Biology 220L, Biology 225L, Biology 245L, or Biology 250L
	Biology 230 Genetics (3 credits)
	Biology 232 Cell Structure and Function (3 credits)
	Biology 235 Ecology (3 credits)
	Biology 235L Lab (1 credit)

Additional Mathematics or Science Course

Can include Math 150 or higher, CSci 180 or higher, Chem 211, Physics 180 or higher, or any 200-level biology or higher

Term/Year	Course (if lab is included: add to the same row as the lecture course)

3. Biology Electives

Four 200 level and above courses. One 300-level required. A 3-credit internship in a science field can fill one elective slot.

May include either ESci 110 with associated lab, or EnSci 105 with associated lab, if taken before Junior year

Term/Year	Course (if lab is included: add to the same row as the lecture course)

4. Applied Skills

Term/Year	Course
	Biology 205 Writing for Science
	Biology 373 Biological Laboratory Techniques: Molecular Biology (2 credits)

5. Capstone Sequence

Term/Year	Course (if lab is included: add to the same row as the lecture course)
	Biology 380 Research Seminar (1 credit)
	Biology 490 Biology Seminar I (1 credit)
	Biology 492 Biology Seminar III (1 credit)
	Biology 495 Senior Project (3 credits)