

Online Biology Major Electives

Summer 2022



Students may only use a course once to satisfy major elective requirements.

Courses in **BOLD** satisfy the Writing Emphasis requirement. Courses marked with * satisfy the Lab requirement.

Ecology, Evolution & Behavior

ECOL 326—Genomics (3-units) (5W1)
ECOL 406R—Conservation Biology (3-units) (5W2)
ECOL 409—Evolution of Infectious Disease (3-units) (5W2)
ECOL 488—Arizona Mammals (4-units) (5W1)
GEOS 330 Intro to Remote Sensing (3-units) (7W2)
RNR 417 GIS for Natural and Social Science * (3-units) (7W1)

Cell & Molecular Biology

ECOL 326—Genomics (3-units) (5W1)
MCB 410—Cell Biology (3-units) (7W2)
MCB 411—Molecular Biology (3-units) (7W2)
MCB 422—Problem Solving with Genetics Tools * (3-units) (5W1)

Physiology

PSIO 201—Human Anatomy & Physiology I * (4-units) (7W1)
PSIO 202—Human Anatomy & Physiology II * (4-units) (7W2)

PSIO 201 & PSIO 202 must be taken together to apply towards degree.
Must check upper-division units with advisor if taking this set.

Biology of Organisms

Microorganismal

ECOL 409—Evolution of Infectious Disease (3-units) (5W2)
IMB 402—Medical Microbiology Basics (1-unit) (7W1)
IMB 404—Medical Virology Basics (1-unit) (7W2)

Macroorganismal

ECOL 488—Arizona Mammals (4-units) (5W1)

Science & Society

ECOL 220—Evolutionary Medicine (3-unit) (5W1)
ECOL 326—Genomics (3-units) (5W1)
ECOL 406R—Conservation Biology (3-units) (5W2)
ECOL 409—Evolution of Infectious Disease (3-units) (5W2)
HPS 387—Health Disparities & Minority Health (3-units) (5W2)
PA 321—Medical Ethics (3-units) (5W1 & 5W2)

Genetics

ECOL 326—Genomics (3-units) (5W1)
MCB 422—Problem Solving with Genetics Tools * (3-units) (5W1)

Other Course Options

BIOC 384—Foundations in Biochemistry (3-units) (5W1)
CHEM 141 & 145—General Chemistry Lecture & Lab I (4-units) (5W1)
CHEM 142 & 146—General Chemistry Lecture & Lab II (4-units) (5W2)
CHEM 241A—Organic Chemistry Lecture I (3-units) (5W1)
CHEM 241B—Organic Chemistry Lecture II (3-units) (5W2)
CHEM 243A—Organic Chemistry Lab I (1-unit) (Prereq)
CHEM 243B—Organic Chemistry Lab II (1-unit) (Prereq)
ECOL 182R & 182L—Introductory Biology Lecture & Lab II (4-units) (5W1 & 5W2)
ECOL 230—Natural History of the Southwest (3-units) (5W2)
ECOL 320—Genetics (4-units) (5W1 & 5W2)
MATH 122A—Functions for Calculus (1-unit) (7W1)
MATH 122B—First Semester Calculus (4-units) (7W2)
MATH 129—Calculus II (3-units) (7W2)
MATH 263—Intro to Statistics & Biostatistics (3-units) (7W1)
MCB 181R & 182L—Introductory Biology Lecture & Lab I (4-units) (7W2)
PSY 150A—Structure of Mind & Behavior (3-units) (5W1)

