

Online Major Electives

Summer 2024



Students may only use a course once to satisfy major elective requirements and a class can only be used in ONE category.

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

Ecology, Evolution & Behavior

ECOL326 Genomics (3 units) 5W1

ECOL 409 Evol Infect 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

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.

Science & Society

ECOL 409—Evolution of Infectious Disease
(3 units) 5W2

HPS 387—Health Disparities & Minority Health
(3 units) 5W2

MCB 404 - Bioethics (3-4 units) 7W2

PA 321—Medical Ethics (3 units) 5W1,
5W2, 7W1, or 7W2

Cell & Molecular Biology

ECOL 326 - Genomics (3 units) 5W1

IMB 401 - Medical Microbiology and Immunology
(4 units) 13W

MCB 410—Cell Biology (3 units) 7W2

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

Biology of Organisms

Microorganismal

ECOL 409—Evolution of Infectious Disease (3 units) 5W2

IMB 401 - Medical Microbiology and Immunology (4 units)
13W

IMB 402—Medical Microbiology Basics (1 unit) 7W1

IMB 404—Medical Virology Basics (1 unit) 7W2

Macroorganismal

ECOL 488—Arizona Mammals (4 units) 5W1

Genetics

ECOL326 - 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) (Pre-session in person)

CHEM 243B—Organic Chemistry Lab II (1 unit) (Pre-session in person)

ECOL 182R & 182L—Introductory Biology Lecture & Lab II (4 units) 5W1 or 5W2

ECOL 320—Genetics (4 units) 7W1 or 7W2

MATH 100 - Math Lab (3 units) 7W1

MATH 112 - College Algebra (3 units) 7W1 or 7W2

MATH 120R - Calc Prep (4 units) 7W2

MATH 122A (Functions for Calc) and B (First Semester Calc) (5 units total) - A 7W1 and B 7W2

MATH 263—Intro to Statistics & Biostatistics (3 units) 7W2

MCB 181R & 182L—Introductory Biology Lecture & Lab I (4 units) 7W1

PHYS 102 & 181 - Intro Physics I and lab (4 units) 5W1

PHYS 103 & 182 - Intro Physics II and lab (4 units) 5W2

