### 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) (SW1)
- **ECOL 406R**—Conservation Biology (3-units) (SW2)
- **ECOL 409**—Evolution of Infectious Disease (3-units) (SW2)
- **ECOL 488**—Arizona Mammals (4-units) (SW1)
- **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.*

### Cell & Molecular Biology
- **ECOL 326**—Genomics (3-units) (SW1)
- **MCB 410**—Cell Biology (3-units) (7W2)
- **MCB 411**—Molecular Biology (3-units) (7W2)
- **MCB 422**—Problem Solving with Genetics Tools * (3-units) (SW1)

### Biology of Organisms

#### Microorganismal
- **ECOL 409**—Evolution of Infectious Disease (3-units) (SW2)
- **IMB 402**—Medical Microbiology Basics (1-unit) (7W1)
- **IMB 404**—Medical Virology Basics (1-unit) (7W2)

#### Macroorganismal
- **ECOL 488**—Arizona Mammals (4-units) (SW1)

### Science & Society
- **ECOL 220**—Evolutionary Medicine (3-unit) (SW1)
- **ECOL 326**—Genomics (3-unit) (SW1)
- **ECOL 406R**—Conservation Biology (3-unit) (SW2)
- **ECOL 409**—Evolution of Infectious Disease (3-unit) (SW2)
- **HPS 387**—Health Disparities & Minority Health (3-units) (SW2)
- **PA 321**—Medical Ethics (3-units) (SW1 & SW2)

### Genetics
- **ECOL 326**—Genomics (3-units) (SW1)
- **MCB 422**—Problem Solving with Genetics Tools * (3-units) (SW1)

### Other Course Options
- **BIOC 384**—Foundations in Biochemistry (3-units) (SW1)
- **CHEM 141 & 145**—General Chemistry Lecture & Lab I (4-units) (SW1)
- **CHEM 142 & 146**—General Chemistry Lecture & Lab II (4-units) (SW2)
- **CHEM 241A**—Organic Chemistry Lecture I (3-units) (SW1)
- **CHEM 241B**—Organic Chemistry Lecture II (3-units) (SW2)
- **CHEM 243A**—Organic Chemistry Lab I (1-unit) (Presession)
- **CHEM 243B**—Organic Chemistry Lab II (1-unit) (Presession)
- **ECOL 182R & 182L**—Introductory Biology Lecture & Lab II (4-units) (SW1 & SW2)
- **ECOL 230**—Natural History of the Southwest (3-units) (SW2)
- **ECOL 320**—Genetics (4-units) (SW1 & SW2)
- **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) (SW1)