

## Summer 2023 Offerings EEB, Biology, & Bioinformatics Major Electives

Courses in **bold** satisfy the Writing Emphasis requirement. Courses in *italics* satisfy the Field Component. Courses marked with a \* satisfy the lab component. Courses with a ^ might be offered as an iCourse. Students may only use a course once within their major electives. All pre-requisites must be met prior to enrolling.

### **MOLECULAR & CELLULAR BIOLOGY (MCB)**

MCB 410 – Cell Biology^  
MCB 422 – Problem Solving with Genetic Tools\*^  
MCB 325 – The Biology of Cancer  
MIC 419 – Immunology^  
PLS 359 – Plant Cell Structure and Function^

### **ECOLOGY, EVOLUTION, & BEHAVIOR (EEB)**

ECOL 406R- Conservation Biology^  
*ECOL 488 – Arizona Mammals^*  
PLP 329A – Microbial Diversity^

### **WFSC 444 – Wildlife Ecology, Conservation, & Management^**

### **GENETICS**

ECOL 428R – Microbial Genetics^  
MCB 411 – Molecular Biology^  
MCB 422 – Problem Solving and Genetic Tools\*^  
WFSC 430 – Conservation Genetics^

### **ORGANISMAL**

#### **MACRO**

*ECOL 414 – Plants of the Desert*  
ECOL 437 – Vertebrate Physiology\*^  
*ECOL 488 – Arizona Mammals^*

#### **MICRO**

PLP 329A – Microbial Diversity^  
ECOL 409- Evolution of Infectious Disease^  
ECOL 428R- Microbial Genetics MCB 325- The Biology of Cancer

### **PHYSIOLOGY (PSIO)**

ECOL 437 – Vertebrate Physiology\*^  
CMM 401 – Human Gross Anatomy\*  
CMM 410 – Human Histology: An Intro to Pathology

### **SCIENCE & SOCIETY**

#### **MCB 404 – Bioethics^**

### **Additional non-Major Elective coursework available over summer to satisfy degree requirements:**

MCB 181R + L – Introductory Biology I Lecture^ + Lab^  
ECOL 182R + L – Introductory Biology II Lecture^ + Lab^  
ECOL 320 – Genetics^  
BIOC 384 – Foundations in Biochemistry^  
ECOL 206 – Environmental Biology^  
ECOL 230- Natural History of the Southwest^  
PSIO 201 – Human Anatomy & Physiology I^  
PSIO 202 – Human Anatomy & Physiology II^

MATH 122A + B or 125 – Calculus I^  
MATH 263 – Biostatistics^  
CHEM 151– General Chemistry I  
CHEM 152 – General Chemistry II  
CHEM 241A + 243A – Organic Chemistry I Lecture^ + Lab  
CHEM 241B + 243B – Organic Chemistry II Lecture^ + Lab  
PHYS 102 + 181 – Intro Physics I Lecture + Lab  
PHYS 103 + 182 – Intro Physics II Lecture + Lab