**Organismal**

- ACBS 400B – Animal Anatomy & Physiology
- ACBS 405R – Biology of Animal Parasites
- ECOL 330 – Evolution of Animal Form & Function
- ECOL 472 – Systematic Botany
- ECOL 475 – Freshwater & Marine Algae
- ECOL 479 – Math Models in Biology
- ECOL 484 – Ornithology
- ENTO 457 – Medical & Veterinary Entomology
- NROS 316 – Animal Brains, Signals, Sex & Social Behavior
- PL 360 – Plant Growth and Physiology
- PL 361 – Principles of Plant Physiology Lab
- ACBS 400B – Animal Anatomy & Physiology
- ACBS 406 – Diseases of Companion Animals
- ACBS 423 – Mechanisms of Disease
- ECOL 405R – Biology of Animal Parasites
- PSIO 328R – Microbial Physiology
- PL P 428R & 428L – Microbial Genetics (Lab optional)

**Cell & Molecular Biology**

- ACBS 423 – Mechanisms of Disease
- MCB 410 – Cellular Biology
- MCB 473 – Recombinant DNA Methods & Applications
- NROS 430 – Neurogenetics
- PL P 428R & 428L – Microbial Genetics
- PSIO 404 – Advanced Topics in Cellular Psio
- PSIO 484 – Cardiovascular Muscle Biology & Disease

**Science & Society**

- ECOL 379 – Evidence Based Medicine
- ECOL 409 – Evolution of Infectious Disease
- MCB 404 – Bioethics
- PHIL 321 – Medical Ethics

Courses listed in **BOLD** are Writing Emphasis courses.

While some courses are listed in multiple elective categories above, you may only use a course once within your major electives.

For example if you take ACBS 400B, it will apply for either an organismal OR physiology elective — NOT BOTH.

**Physiology**

- ACBS 400B – Animal Anatomy & Physiology
- ECOL 330 – Evolution of Animal Form & Function
- MIC 328R – Microbial Physiology
- PSIO 380 – Fundamentals of Human Physiology
- PSIO 420 – Exercise & Environmental Physiology
- PSIO 425 – Measurement & Evaluation of Physiology Function
- PSIO 450 – Respiratory Physiology
- PSIO 465 – Neurophysiology
- PSIO 469 – Human Reproductive Physiology
- PSIO 484 – Cardiovascular Muscle Biology & Disease
- PL 360 – Plant Growth & Physiology
- PL 361 – Principles of Plant Physiology Lab

**Genetics**

- ECOL 346 – Bioinformatics
- ECOL 426 – Population Genetics
- MCB 422 – Prob. Solving with Genetic Tools
- MCB 473 – Recombinant DNA Methods & Applications
- NROS 430 – Neurogenetics
- PL P 428R & 428L – Microbial Genetics
- PL 312 – Plant & Animal Genetics

**Ecology, Evolution & Behavior**

- ANTH 431 – Primate Sexuality
- ECOL 330 – Evolution of Animal Form & Function
- ECOL 346 – Bioinformatics
- ECOL 360 – Marine Ecology & Conservation
- ECOL 379 – Evidence Based Medicine (Honors Only)
- ECOL 406R – Conservation Biology
- ECOL 409 – Evolution of Infectious Disease
- ECOL 454 – Water Harvesting
- ECOL 473 – Topics in Behavioral Ecology
- ECOL 480 – Math Models in Biology
- ENTO 407 – Insect Discovery
- GEOS 412A & 412B – Ocean Sciences w/ optional Field Course
- GEOS 447C – Dendrochronology
- NROS 311 – Animal Brains, Signs, Sex & Social Behaviors
- NROS 316 – Natural Resources Ecology
- NRR 355 – Introduction to Wildland Fire
- NRR 458 – Ecosystem Ecology
- WFSC 447 – Wildlife Conservation Behavior

**Please be aware that courses labeled **PSIO** have prerequisites which are strictly enforced. If you plan to take one of these courses, you must meet those requirements and email that department at bertha@email.arizona.edu.**