EEB & Biology Major Electives
Spring 2018

Organismal

Macro-
ACBS 400B - Animal Anatomy & Physiology
ECOL 475 - Freshwater & Marine Algae
ECOL 480 - Math Models in Biology
ECOL 483 - Herpetology
ECOL 484 - Ornithology
ENTO 457 - Medical & Veterinary Entomology
NROS 381 - Animal Brains, Signals, Sex & Social Behavior
PLS 360 - Principles of Plant Physiology Lab
PLS 361 - Principles of Plant Physiology Lab

Micro-
ACBS 406 - Diseases of Companion Animals
ACBS 423 - Mechanisms of Disease
ECOL 403 R - Biology of Animal Parasites
MIC 328R - Microbial Physiology
PL P 428R & 428L - Microbial Genetics (Lab optional)
FLS 333 - General Virology

Ecology, Evolution & Behavior

ANTH 324 - The Human Machine: Anatomy, Biomech. & Evolution
ANTH 431 - Primate Sexuality
ECOL 346 - Bioinformatics
ECOL 360 - Marine Ecology & Conservation
ECOL 379 - Evidence-Based Medicine (Honors Only)
ECOL 406R - Conservation Biology
ECOL 454 - Water Harvesting
ECOL 480 - Math Models in Biology
ENTO 407 - Insect Discovery
GEOS 412A & 412B - Ocean Sciences W/ optional Field Course
GEOS 497C - Dendrochronology
NROS 381 - Animal Brains, Signals, Sex & Social Behaviors
RNR 355 - Introduction to Wildland Fire
RNR 458 - Ecosystem Ecology

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
ACBS 409 - Environmental Physio of Domestic Animals
ANTH 324 - The Human Machine: Anat., Biomech. & Evolution
MIC 328R - Microbial Physiology
PSIO 380 - Fundamentals of Human Physio
PSIO 420 - Exercise & Environmental Physio
PSIO 425 - Measurement & Evaluation of Physio Function
PSIO 450 - Respiratory Physio
PSIO 465 - Neurophysiology
PSIO 469 - Human Reproductive Physio
PSIO 484 - Cardiovascular Muscle Biology & Disease
PSIO 485 - Cardiovascular Physio
PLS 360 - Plant Growth & Physiology
PLS 361 - Principles of Plant Physiology Lab

**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.

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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 Physio
PSIO 484 - Cardiovascular Muscle Biology & Disease

Genetics

ECOL 346 - Bioinformatics
MCB 422 - Prob. Solving with Genetic Tools
MCB 473 - Recombinant DNA Methods & Applications
NROS 430 - Neurogenetics
PL P 428R & 428L - Microbial Genetics
PLS 332 - Plant & Animal Genetics

Science & Society

Counts toward Biology—Biomedical Emphasis ONLY

ECOL 379 - Evidence Based Medicine (Honors Only)
MCB 404 - Bioethics
PHIL 321 - Medical Ethics