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 ^ have an online component. Students may only use a course once within their major electives. Courses listed on this sheet may not necessarily be offered every semester. All prerequisites must be met prior to enrolling. Some departments may give preference to their majors during priority registration.

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**ECOLOGY, EVOLUTION, & BEHAVIOR**

- ANTH 472 - Zooarchaeology & Taphonomy: Laboratory Methods*
- ECOL 330 - Evolution of Animal Form & Function
- ECOL 360 - Marine Ecology & Conservation
- ECOL 379 - Evidence-Based Medicine
- ECOL 406R - Conservation Biology
- ECOL 409 - Evolution of Infectious Disease
- ECOL 426 - Population Genetics
- ECOL 467 - Pollination Ecology, Behavior, Cognition, & Ecology of Pollinators
- ECOL 472 - Systematic Botany*
- ECOL 473 - Topics in Behavioral Ecology
- **ECOL 475 - Freshwater & Marine Algae***
- ECOL 480 - Math Models in Biology
- ENTO 407 - Insect Discovery*
- CEOS 308 - Paleontology
- CEOS 497C - Dendrochronology
- **NROS 381 - Animal Brains, Signs, Sex, & Social Behaviors**
- RNR 355 - Introduction to Wildland Fire
- WFSC 447 - Wildlife Conservation Behavior
- WFSC 445 - Population Ecology*
- WFSC 454 - Water Harvesting

**CELL & MOLECULAR BIOLOGY**

- ACBS 423 - Mechanisms of Disease
- MCB 305 - Cell & Developmental Biology
- MCB 410 - Cellular Biology
- MCB 418A - Statistical Bioinformatics & Genomic Analysis (Even years only)
- **MCB 422 - Problem Solving with Genetic Tools***
- **MCB 473 - Recombinant DNA Methods & Applications***
- MIC 433 - Medical & Molecular Virology
- NROS 310 - MCB of Neurons
- NROS 430 - Neurogenetics
- **PLP 428R - Microbial Genetics Lecture***
- **PLP 428L - Microbial Genetics Lab***
- PSIO 404 - Advanced Topics in Cellular PSIO
- PSIO 484 - Cardiovascular Muscle Biology & Disease

**PHYSIOLOGY** Courses in the PSIO department are reserved for majors only. Please follow up with the PSIO department to determine if seats are available to non-majors.

- ACBS 400B - Animal Anatomy & PSIO
- **ECOL 330 - Evolution of Animal Form & Function**
- MIC 328R - Microbial PSIO
- PLS 360 - Plant Growth & PSIO*
- PLS 361 - Principles of Plant PSIO Lab*
- PSIO 380 - Fundamentals of Human PSIO
- PSIO 404 - Advanced Topics in Cellular PSIO
- PSIO 420 - Exercise & Environmental PSIO
- PSIO 425 - Measurement & Evaluation of PSIO Function*
- PSIO 450 - Respiratory Physiology
- PSIO 469 - Human Reproductive PSIO
- PSIO 484 - Cardiovascular Muscle Biology & Disease

**ORGANISMAL**

- **Macro**
  - ACBS 400B - Animal Anatomy & PSIO
  - ACBS 403R - Biology of Animal Parasites
  - ACBS 443 - Research Animal Methods*
  - ACBS 456 - Aquaculture
  - **ECOL 330 - Evolution of Animal Form & Function**
  - ECOL 472 - Systematic Botany*
  - **ECOL 475 - Freshwater & Marine Algae***
  - **ECOL 483 - Herpetology (Even years only)**
  - **ECOL 484 - Ornithology***
  - ENTO 405 - Aquatic Entomology
  - ENTO 407 - Medical & Veterinary Entomology
  - **NROS 381 - Animal Brains, Signals, Sex & Social Behavior**
  - PLS 360 - Plant Growth and PSIO*
  - **PLS 361 - Principles of Plant PSIO Lab***

- **Micro**
  - ACBS 403R - Biology of Animal Parasites
  - ACBS 406 - Diseases of Companion Animals
  - ACBS 423 - Mechanisms of Disease
  - ECOL 409 - Evolution of Infectious Disease
  - MIC 328R - Microbial PSIO
  - MIC 433 - Medical & Molecular Virology
  - **PLP 428R - Microbial Genetics Lecture***
  - **PLP 428L - Microbial Genetics Lab***
  - PLS 333 - General Virology
  - PLS 424R - Plant Biotechnology

**GENETICS**

- ECOL 346 - Bioinformatics*
- ECOL 426 - Population Genetics
- MCB 418A - Statistical Bioinformatics & Genomic Analysis (Even years only)
- **MCB 422 - Problem Solving with Genetic Tools***
- **MCB 473 - Recombinant DNA Methods & Applications***
- **NROS 430 - Neurogenetics**
- **PLP 428R - Microbial Genetics Lecture***
- **PLP 428L - Microbial Genetics Lab***
- PLS 312 - Animal & Plant Genetics*
- PLS 448A - Plant Genetics & Genomics

**SCIENCE & SOCIETY**

- ECOL 360 - Marine Ecology & Conservation
- **ECOL 379 - Evidence-Based Medicine**
- ECOL 406R - Conservation Biology
- ECOL 409 - Evolution of Infectious Disease
- ENGR 495A - Science Diplomacy: Latin America Prospects
- **MCB 404 - Bioethics**
- PHIL 422 - Advanced Medical Ethics (Honors only)
- PLS 424R - Plant Biotechnology
- TLS 431 - Environmental Learning