Courses in bold satisfy the Writing Emphasis requirement. Courses in italics satisfy the Field Component. Courses marked with * satisfy the lab component. Students may only use a course once within their major electives.

### 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
- **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 - Ocean Science
- GEOS 412B - Ocean Science Field Course
- GEOS 497C - Dendrochronology
- **NROS 381** - Animal Brains, Signs, Sex, & Social Behaviors

### CELL & MOLECULAR BIOLOGY
- ACBS 423 - Mechanisms of Disease
- MCB 410 - Cellular Biology
- **MCB 473** - Recombinant DNA Methods & Applications*
- NROS 430 - Neurogenetics

### PLP 428R - Microbial Genetics Lecture
- PLP 428L - Microbial Genetics Lab
- PSIO 404 - Advanced Topics in Cellular Physiology
- PSIO 484 - Cardiovascular Muscle Biology & Disease

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

### ORGANISIMAL
- **Macro**
- ACBS 400B - Animal Anatomy & Physiology
- ACBS 403R - Biology of Animal Parasites
- ACBS 445 - Research Animal Methods*
- **ECOL 330** - Evolution of Animal Form & Function
- ENTO 457 - Medical & Veterinary Entomology
- ECOL 472 - Systematic Botany (Odd years only)*
- **ECOL 475** - Freshwater & Marine Algae*
- ECOL 480 - Math Models in Biology
- **ECOL 483** - Herpetology (Even years only)*
- **ECOL 484** - Ornithology*
- NROS 381 - Animal Brains, Signs, Sex, & Social Behavior

### Micro
- ACBS 403R - Biology of Animal Parasites
- ACBS 406 - Diseases of Companion Animals
- ACBS 423 - Mechanisms of Disease
- ECOL 403R - Biology of Animal Parasites
- MIC 328R - Microbial Physiology
- **PL P 428R** - Microbial Genetics Lecture
- PLP 428L - Microbial Genetics Lab*

### GENETICS
- ACBS 312 - Animal & Plant Genetics*
- ECOL 346 - Bioinformatics*
- ECOL 426 - Population Genetics
- **MCB 422** - Problem Solving with Genetic Tools*
- **MCB 473** - Recombinant DNA Methods & Applications*
- NROS 430 - Neurogenetics

### SCIENCE & SOCIETY
- **ECOL 379** - Evidence Based Medicine
- ECOL 409 - Evolution of Infectious Disease
- **MCB 404** - Bioethics
- PHIL 321 - Medical Ethics