EEB & Biology Major Electives
Fall 2024

**Organismal**

Macro-
- ACBS 315 R & L* - Physiology of Reproduction
- ACBS 400 A - Animal Anatomy & Physiology A
- ECOL 484 - Ornithology*
- ECOL 485 - Mammalogy*
- ECOL 487 R & L - Animal Behavior
- ENTO 415 R - Insect Biology

Micro-
- ACBS 329 A - Microbial Diversity
- ACBS 427 R - General Mycology
- ACBS 449 - Diseases of Wildlife
- ECOL 407 - Disease Ecology and Evolution
- ECOL 409 - Evolution of Infectious Disease
- ECOL 410 - Microbial Biogeochemistry and Global Change
- ENVS 425 - Environmental Microbiology
- MIC 329 A - Microbial Diversity
- MIC 427 R - General Mycology
- PLS 448 A - Plant Biochemistry and Metabolic Engineering

**Physiology**

- ACBS 315 R & L - Physiology of Reproduction
- ACBS 400 A - Animal Anatomy & Physiology A
- ENTO 401 - Ecological Physiology
- ECOL 407 - Ornithology*
- ECOL 485 - Mammalogy*
- ECOL 487 R & L - Animal Behavior
- PSIO 201 - Fundamentals of Human Psio
- PLS 360 - Plant Growth & Physiology

PSIO 201 and 202 when taken together can count for this requirement and a lab requirement. Be sure to still complete 42 upper division units when using this option.

**Science & Society**

- ECOL 409 - Evolution of Infectious Disease
- EPID 309 - Intro to Epidemiology
- HPS 387 - Health Disparities/Minority Health
- LAW 459 - Public International Environmental Law
- MCB 404 - Bioethics
- PA 321 - Medical Ethics
- PHIL 347 - Neuroethics
- PHP 305 - Population Health in Digital Age
- PHP 308 - Community Health Ed/Disease Outbreaks

**Cell & Molecular Biology**

- ECOL 407 - Disease Ecology and Evolution
- ECOL 480 - Mathematical Models in Biology
- ECOL 487 R & L - Animal Behavior
- ENTO 415 R - Insect Biology
- ENVS 442 - Limnology*
- ENVS 477 - Ecotoxicology
- GEOS 330 - Introduction to Remote Sensing
- GEOS 478 - Global Change
- MIC 329 A - Microbial Diversity
- RNR 316 - Natural Resource Ecology
- RNR 355 - Introduction to Wildland Fire
- WFSC 444 - Wildlife Ecology, Conservation, and Management*

**Genetics**

- ECOL 326 - Genomics
- ECOL 407 - Disease Ecology and Evolution
- ECOL 430 - Conservation Genetics
- MCB 422 - Problem Solving with Genetic Tools*
- MCB 340 - Introduction to Biotechnology
- NROS 430 - Neurogenetics

**Ecology, Evolution & Behavior**

- ECOL 326 - Genomics
- ECOL 345 - Biodiversity and the Tree of Life
- ECOL 407 - Disease Ecology and Evolution
- ECOL 409 - Evolution of Infectious Disease
- ECOL 480 - Mathematical Models in Biology
- ECOL 487 R & L - Animal Behavior
- ENTO 415 R - Insect Biology
- ENVS 442 - Limnology*
- ENVS 477 - Ecotoxicology
- GEOS 330 - Introduction to Remote Sensing
- GEOS 478 - Global Change
- MIC 329 A - Microbial Diversity
- RNR 316 - Natural Resource Ecology
- RNR 355 - Introduction to Wildland Fire
- WFSC 444 - Wildlife Ecology, Conservation, and Management*

**BOLD is writing emphasis, ITALICS are field, * is lab**

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.