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 - 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 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 400 A - Animal Anatomy & Physiology A  
ECOL 437 - Vertebrate Physiology*  
ENTO 401 - Ecological Physiology  
MCB 340 - Introduction to Biotechnology  
MIC 432 - Comparative Immunology  
PSIO 380 - 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

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 345 - Biodiversity and the Tree of Life  
ECOL 326 - Genomics  
ENVS 477 - Exotoxicology  
MCB 325 - Biology of Cancer  
MCB 422 - Problem Solving with Genetic Tools*  
MIC 350 - Core Concepts in Molecular Microbiology  
MIC 419 - Immunology  
MIC 420 - Pathogenic Bacteriology  
MIC 432 - Comparative Immunology  
NROS 430 - Neurogenetics  
PLS 359 - Plant Cell Structure & Function  
PLS 448 A - Plant Biochemistry and Metabolic Engineering

### Ecology, Evolution & Behavior

ECOL 326 - Genomics  
ECOL 345 - Biodiversity and the Tree of Life  
ECOL 407 - Disease Ecology and Evolution  
ECOL 409 - Evolution of Infections Disease  
ECOL 484 - Ornithology*  
ENTO 415 R - Insect Biology  
ENVS 425 - Environmental Microbiology  
MIC 329 A - Microbial Diversity  
MIC 427 R - General Mycology  
PLS 448 A - Plant Biochemistry and Metabolic Engineering

### Genetics

ECOL 326 - Genomics  
ECOL 345 - Biodiversity and the Tree of Life  
ECOL 430 - Conservation Genetics  
MCB 422 - Problem Solving with Genetic Tools*  
PLS 340 L - Biotechnology Laboratory *

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**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.