## EEB & Biology Major Electives
### Spring 2024

### Organismal
**Macro-**
- ACBS 400 B– Animal Anatomy & Physiology
- ACBS 443– Research Animal Methods *
- ACBS 456– Aquaculture
- ECOL 330– Evolution of Animal Form & Function
- ECOL 437– Vertebrate Physiology*

**Micro-**
- ACBS 403 R– Biology of Animal Parasites
- ACBS 406– Diseases of Companion Animals
- MIC 328 R– Microbial Physiology
- PLP 428R– Microbial Genetics

*PLP 428L– Microbial Genetics Lab*

### Physiology
- ACBS 400 B– Animal Anatomy & Physiology
- ACBS 409– Environmental PSIO of Domestic Animals
- ECOL 330– Evolution of Animal Form & Function
- ECOL 437– Vertebrate Physiology*
- ECOL 480– Math Models in Biology
- ECOL 484– Ornithology*
- ENTO 457– Medical & Veterinary Entomology
- NROS 381– Animal Brains, Signals, Sex & Social Behavior
- PLS 360– Plant Growth and 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 406 R– Conservation Biology
- 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
- ENVS 477– Exotoxicology
- MCB 416 A– Stats Bioinformatics & Genomic Analysis
- MCB 433– Medical and Molecular Virology
- MCB 473– Recombinant DNA Methods & Applications *
- NROS 430—Neurogenetics
- PLP 428R– Microbial Genetics

### Ecology, Evolution & Behavior
- ECOL 330– Evolution of Animal Form & Function
- ECOL 346– Bioinformatics*
- ECOL 404 R– Biology of Oceans
- ECOL 406 R– Conservation Biology
- ECOL 412 A– Ocean Science
- ECOL 412 B– Ocean Science Field Course
- ECOL 480– Mathematical Models in Biology
- ECOL 484– Ornithology*
- ENVS 477– Exotoxicology
- GEOS 330– Introduction to Remote Sensing
- NROS 381– Animal Brains, Signals, Sex & Social Behavior
- NRR 316– Natural Resource Ecology
- NRR 355– Introduction to Wildland Fire
- WFSC 445– Wildlife Conservation Behavior
- WFSC 454– Water Harvesting

### Genetics
- ECOL 346– Bioinformatics*
- ECOL 428 R– Microbial Genetics
- MCB 416 A– Stats Bioinformatics & Genomic Analysis
- MCB 473– Recombinant DNA Methods & Applications *
- NROS 430—Neurogenetics
- PLP 428 R– Microbial Genetics
- PLS 312—Plant & Animal Genetics
- PLS 340 L– Biotechnology Laboratory *
- PLS 449 A– Plant Genetics and Genomics

*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.