# EEB & Biology Major Electives
## Fall 2018

While some courses may be listed in multiple elective categories below, students may only use a course once within their major electives.

Courses in **BOLD** satisfy the Writing Emphasis requirement of the EEB & Biology degrees.

Courses marked with * have an online option listed.

## Ecology, Evolution & Behavior
- ANTH 364 – Natural History of Our Closest Relatives
- ANTH 431 – Primate Sexuality
- ANTH 468 – Human Osteology
- ANTH 470 – Primate Behavior
- ECOL 326 – Genomics
- ECOL 340 – Evolution Of Plant Form & Function
- ECOL 419 – Introduction to Modeling in Biology
- ECOL 430 – Conservation Genetics
- ECOL 450 – Marine Discovery
- ECOL 474 – Aquatic Plants & the Environment
- ECOL 487 R & L – Animal Behavior
- ENTO 310 – Living in Symbiosis
- ENTO 415 R – Insect Biology
- GEOG 438 – Biogeography
- GEOS 308 – Paleontology
- GEOS 439A – Intro to Dendrochronology
- GEOS 478 – Global Change
- PLP 305 – Introductory Plant Pathology *
- PLP 329A – Microbial Diversity *
- RN 316 – Natural Resource Ecology
- WSM 452 – Dryland Ecohydrology and Veget. Dynamics

## Organismal
### Macro-
- ACBS 315 R & L – PSIO of Animal Repro.
- ACBS 443 – Research Animal Methods
- ECOL 340 – Evolution of Plant Form & Function
- ECOL 474 – Aquatic Plants
- ECOL 485 – Mammalogy
- ECOL 487 R & L – Animal Behavior
- ENTO 310 – Living in Symbiosis
- ENTO 415 R – Insect Biology

### Micro-
- ACBS 449 – Diseases of Wildlife
- MIC 421B – Microbial Techniques
- MIC 425 & 426 (lab) – Environmental Microbiology
- PLP 427 R* & L – General Mycology
- PLP 305 – Plant Pathology
- PLP 329 A – Microbial Diversity *
- PLS 448 A – Plant Biochemistry and Metabolic Engineering

## Cell & Molecular Biology
- MCB 325 – Biology of Cancer
- MCB 315 – Key Concepts in Quantitative Biology
- MCB 480 – Introduction to Systems Biology
- MIC 452 – Antibiotics: A Biological Perspective
- NROS 307 – Cellular Physiology
- NROS 412 – Learning and Memory
- PLP 427 R* & L – General Mycology
- PLS 359 – Plant Cell Structure & Function *
- PLS 440 – Mechanisms in Plant Development
- PLS 448 A – Plant Biochem/Metabolic Engineering
- PSIO 303 A – Integrative Cellular Physiology
- PSIO 472 – Quant. Models of Biological Systems

## Physiology
- ACBS 315 R & L – Physiology of Animal Reproduction
- ACBS 400 A – Animal Anatomy & Physiology
- ECOL 340 – Evolution of Plant Form & Function
- NROS 307 – Cellular Neurophysiology
- PL 440 – Mechanisms in Plant Development
- PSIO 303A – Integrative Cellular Physiology
- PSIO 380 – Fundamentals of Human Physiology
- PSIO 420 – Exercise & Environmental Physiology
- PSIO 425 – Measurement & Evaluation of Psio Function
- PSIO 431 – Physiology of the Immune System
- PSIO 463 – Neuroendocrine Control of System Physiology
- PSIO 467 – Endocrine Physiology
- PSIO 485 – Cardiovascular Physiology

Please be aware that PSIO department courses have prerequisites which are strictly enforced, if you plan to take one of these courses you must meet those requirements & email that department at bertha@email.arizona.edu.

## Genetics
- ECOL 326 – Genomics
- ECOL 430 – Conservation Genetics
- MCB 340 – Intro to Biotechnology
- MCB 422 – Problem Solving & Genetic Tools
- MIC 452 – Antibiotics: Biological Perspective
- PLP 440 – Mechanisms in Plant Development

## Science & Society
- ECOL 249 – Evolution: Its Content and Its History
- ECOL 280 – Sociobiology and the Evolution of Cooperation
- ECOL 326 – Genomics
- MCB 404 – Bioethics
- PHIL 321 – Medical Ethics *