EEB & Biology Major Electives
Fall 2019

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 468 – Human Osteology
- ECOL 326 – Genomics
- ECOL 340 – Evolution Of Plant Form & Function
- ECOL 447 Intro to Theoretical Ecology
- ECOL 450 – Marine Discovery
- ECOL 474 Aquatic Plants and the Environment
- **ECOL 487 R — Animal Behavior**
  - ECOL 487 L — Animal Behavior Lab
  - ECOL 496J Plant Population Ecology
- ENTO 415 R – Insect Biology
- GEOS 308 – Paleontology
- GEOS 439A – Intro to Dendrochronology
- GEOS 478 – Global Change
- PLP 305 – Introductory Plant Pathology *
- PLP 329A – Microbial Diversity *
- WSM 452 – Dryland Ecohydrology and Veget. Dynamics

**Cell & Molecular Biology**

- MCB 325 — Biology of Cancer
- MCB 315 – Key Concepts in Quantitative Biology
- **MCB 422 Problem Solving w/Genetic Tools**
- MCB 480 – Introduction to Systems Biology
- **MIC 419 — Immunology**
- MIC 420 — Pathogenic Bacteriology
- NROS 412 – Learning and Memory
- PLP 427 R & L — General Mycology
- PLS 359 – Plant Cell Structure & Function *
- PLS 340 Intro to Biotechnology
- PLS 440 – Mechanisms in Plant Development
- PLS 448 A – Plant Biochem/Metabolic Engineering
- PSIO 303 A – Integrative Cellular Physiology

**Genetics**

- ECOL 326 – Genomics
- MCB 340 – Intro to Biotechnology
- **MCB 422 – Problem Solving & Genetic Tools**

**Organismal**

**Macro-**

- ACBS 400 A – Animal Anat. & Physio.
- ACBS 315 R & L – PSIO of Animal Repro.
- **ECOL 340 – Evolution of Plant Form & Function**
- ECOL 474 — Aquatic Plants and the Environment
- **ECOL 482 Ichthyology**
- ECOL 485 – Mammalogy
- **ECOL 487 R — Animal Behavior**
- ECOL 487 L — Animal Behavior Lab
- ENTO 415 R – Insect Biology
- PSIO 467 Endocrine Physiology

**Micro-**

- ACBS 449 – Diseases of Wildlife
- MIC 420 — Pathogenic Bacteriology
- 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

**Physiology**

- ACBS 315 R & L – Physiology of Animal Reproduction
- ACBS 400 A — Animal Anatomy & Physiology
- **ECOL 340 – Evolution of Plant Form & Function**
- 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 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.

**Science & Society**

- ECOL 220—Evolutionary Medicine
- ECOL 326 —Genomics
- **MCB 404 — Bioethics**
- PHIL 321—Medical Ethics *

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