

Fall Offerings

EEB & Biology Major Electives

Courses in bold satisfy the Writing Emphasis requirement. Courses in italics satisfy the Field Component. Courses marked with a * satisfy the lab component. Courses with a ^ might be offered as an iCourse. Students may only use a course once within their major electives. Courses listed on this sheet may not necessarily be offered every semester. All pre-requisites must be met prior to enrolling. This list shows courses that are typically offered. Some courses may not be available.

ECOLOGY, EVOLUTION, & BEHAVIOR (EEB)

ANTH 364 - Natural History of Our Closest Relatives
 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 447 - Intro to Theoretical Ecology
*ECOL 450 - Marine Discovery**
 ECOL 487R - Animal Behavior
 ECOL 487L - Animal Behavior Lab*
 ECOL 496J - Plant Population Ecology
 ENTO 415R - Insect Biology
 ENVS 442 - Limnology*
 ENVS 474 - Aquatic Plants and the Environment
 GEOS 308 - Paleontology
 GEOS 439A - Intro to Dendrochronology*
 GEOS 478 - Global Change
 PLP 305 - Introductory Plant Pathology^
 PLP 329A - Microbial Diversity^
 RNR 316 - Natural Resource Ecology^
WFSC 444 - Wildlife Ecology, Conservation, and Management^
 WSM 452 - Dryland Ecohydrology and Vegetation Dynamics

SCIENCE & SOCIETY

ECOL 220 - Evolutionary Medicine
 ECOL 326 - Genomics
 EPID 309 - Intro to Epidemiology^
 HPS 387 - Health Disparities & Minority Health^

MCB 404 - Bioethics

PHP 305 - Population Health in the Digital Age^
 PHP 308 - Community Health Ed for Disease Outbreaks

ORGANISMAL

MACRO

ACBS 315R - PSIO of Animal Reproduction Lecture
 ACBS 315L - PSIO of Animal Reproduction Lab*
 ACBS 400A - Animal Anatomy & PSIO
 ACBS 443 - Research Animal Methods*
ECOL 340 - Evolution of Plant Form & Function
ECOL 482 - Ichthyology (Odd years only)*
*ECOL 485 - Mammalogy**
ECOL 487R - Animal Behavior
 ECOL 487L - Animal Behavior Lab*
 ENTO 415R - Insect Biology
 ENVS 474 - Aquatic Plants and the Environment
MATH 481 – Mathematical Modeling of Fluid Flow Through & Around Organs & Organisms***

PSIO 467 - Endocrine PSIO

MICRO

ACBS 449 - Diseases of Wildlife
 MIC 420 - Pathogenic Bacteriology
 MIC 421B - Microbiological Techniques*
 ENVS 425 - Environmental Microbiology Lecture^
 ENVS 426 - Environmental Microbiology Lab*
MATH 481 – Mathematical Modeling of Fluid Flow Through & Around Organs & Organisms***
 PLP 305 - Plant Pathology^
 PLP 329A - Microbial Diversity^
 PLP 427R - General Mycology Lecture^
 PLP 427L - General Mycology Lab*
 PLS 448A - Plant Biochemistry and Metabolic Engineering^

GENETICS

ECOL 326 - Genomics
MCB 422 - Problem Solving with Genetic Tools*
 MIC 452 - Antibiotics: A Biological Perspective
 PLS 340 - Intro to Biotechnology
 WFSC 430 - Conservation Genetics^

MOLECULAR & CELLULAR BIOLOGY (MCB)

ECOL 326 - Genomics
 MCB 315 - Quantitative Biology (Even years only)
 MCB 325 - Biology of Cancer
MCB 422 - Problem Solving with Genetic Tools*^
 MCB 480 - Introduction to Systems Biology
 MIC 350 - Molecular Microbiology
MIC 419 - Immunology
 MIC 420 - Pathogenic Bacteriology
 MIC 432 - Comparative Immunology
 MIC 452 - Antibiotics: A Biological Perspective (Even years only)
 NROS 412 – Molecular Mechanisms of Learning & Memory
 NSCS 307 - Cellular Neurophysiology
 PLP 427R - General Mycology Lecture^
 PLP 427L - General Mycology Lab
 PLS 359 - Plant Cell Structure & Function^
 PLS 440 - Mechanisms in Plant Development^
 PLS 448A - Plant Biochem/Metabolic Engineering^
 PSIO 303A - Integrative Cellular PSIO
 PSIO 472 - Quantitative Modeling of Biological Systems

PHYSIOLOGY (PSIO)

ACBS 315R - PSIO of Animal Reproduction Lecture
 ACBS 315L - PSIO of Animal Reproduction Lab*
 ACBS 400A - Animal Anatomy & PSIO
ECOL 340 - Evolution of Plant Form & Function
 MIC 350 - Molecular Microbiology
 MIC 432 - Comparative Immunology
 NROS 307 - Cellular Neurophysiology
 PSIO 303 - Integrative Cellular PSIO
 PSIO 380 - Fundamentals of Human PSIO
 PSIO 420 - Exercise & Environmental PSIO
 PSIO 425 - Measurement & Evaluation of PSIO Function*
 PSIO 431 - PSIO of the Immune System
 PSIO 467 - Endocrine PSIO
 PSIO 485 - Cardiovascular PSIO

PSIO 404, 411, 420, 425, 450, 468, and 484 are for PSIO majors and minors only. Please follow up with the PSIO department to determine if seats are available to non-majors.

***MATH 481 may satisfy Micro or Macro-organismal requirements for the Biomedical Science emphasis, but not both.