

Online Biology Major Electives

Fall 2024

Students may only use a course once to satisfy major elective requirements.

Courses in **BOLD** satisfy the Writing Emphasis requirement. Courses marked with * satisfy the Lab requirement.



Ecology, Evolution & Behavior

ECOL 326—Genomics (3-units) (7W2)
ECOL 345 - Biodiversity & the Tree of Life (7W1)
ECOL 409—Evolution of Infectious Disease (3-units) (7W2)
ECOL 487RL—Animal Behavior Lab * (1-unit) (7W1)
ECOL 487R—Animal Behavior Lecture (3-unit) (7W1)
GEOS 330 Intro to Remote Sensing (3-units) (7W2)
RNR 417 GIS for Natural and Social Science * (3-units) (FULL)



Biology of Organisms

Microorganismal

ECOL 409—Evolution of Infectious Disease (3-units) (5W2)
IMB 401—Medical Microbiology & Immunology (3-units) (FULL)
IMB 402—Medical Microbiology Basics (1-unit) (7W1)
IMB 404—Medical Virology Basics (1-unit) (7W2)
IMB406 - Human Immunology (3-units) (FULL)
NROS381 - Animal Brains, Signals, Sex, etc (3-unit) (7W1)

Macroorganismal

ECOL 485—Mammalogy * (4-units) (7W2)
ECOL484 - Ornithology (4-units) (FULL)
ECOL 487RL—Animal Behavior Lab * (1-unit) (7W1)
ECOL 487R—Animal Behavior Lecture (3-unit) (7W1)

Lower Division Biology

ECOL 223—Human Genetics & Evolution (3-units) (7W2)
MIC 205A—General Microbiology (3-units) (7W1)

Cell & Molecular Biology

ECOL 326—Genomics (3-units) (7W2)
ECOL 345 - Biodiversity & the Tree of Life (7W1)
IMB 401—Medical Microbiology & Immunology (3-units) (FULL)
MCB 410 - Cell Biology (3-units) (7W2)
NROS 310—Molecular & Cellular Biology of Neurons (3-4 units) (7W1)
NROS 430—Neurogenetics (3-units) (7W2)

Physiology

PSIO 201—Human Anatomy & Physiology I * (4-units) (7W1)
PSIO 202—Human Anatomy & Physiology II * (4-units) (7W2)
PSIO 380—Fundamentals of Human Physiology (3-units) (FULL)

PSIO 201 & PSIO 202 must be taken together to apply towards degree.
Check your upper-division units with advisor if taking this set.

Science & Society

ECOL 326—Genomics (3-units) (7W2)
ECOL 409—Evolution of Infectious Disease (3-units) (7W2)
EPID 309—Introduction to Epidemiology (3-units) (FULL)
HPS306 - Drugs & Society (3-units) (7W2)
HPS 387—Health Disparities & Minority Health (3-units) (7W1)
HPS 425 - Latino Health Disparities (3-units) (7W2)
MCB 404—Bioethics (3-4 units) (FULL)
PA 321—Medical Ethics (3-units) (7W1 & 7W2)
PHP 305—Population Health in the Digital Age (3-units) (7W2)
PHP 308—Community Health Ed for Disease Outbreaks (3-units) (7W1)
PHP 308—Community Health Ed for Disease Outbreaks (3-units) (7W2) Taught in Spanish

Genetics

ECOL 326—Genomics (3-units) (7W2)
ECOL 345 - Biodiversity & the Tree of Life (7W1)

