Online Biology Major Electives

Fall 2022

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.

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**Ecology, Evolution & Behavior**

ECOL 326—Genomics (3-units) (7W2)
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)

**Macroorganismal**

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

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**Lower Division Biology**

ECOL 220—Evolutionary Medicine (3-unit) (7W1)
ECOL 223—Human Genetics & Evolution (3-units) (7W2)
MIC 205A—General Microbiology (3-units) (7W1)

**Cell & Molecular Biology**

ECOL 326—Genomics (3-units) (7W2)
IMB 401—Medical Microbiology & Immunology (3-units) (FULL)
NROS 310—Molecular & Cellular Biology of Neurons (3-4 units) (7W2)
NSCS 307—Cellular Neurophysiology (3-4 units) (7W2)

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**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)
NSCS 307—Cellular Neurophysiology (3-4 units) (7W2)

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

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**Science & Society**

ECOL 220—Evolutionary Medicine (3-unit) (7W1)
ECOL 326—Genomics (3-units) (7W2)
ECOL 409—Evolution of Infectious Disease (3-units) (7W2)
EPID 309—Introduction to Epidemiology (3-units) (FULL)
HPS 387—Health Disparities & Minority Health (3-units) (7W1)
MCB 404—Bioethics (3-4 units) (FULL)
PA 521—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 & 7W2)

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**Genetics**

ECOL 326—Genomics (3-units) (7W2)