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.

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### 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)

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### 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)
- MCB 406—Human Immunology (3-units) (FULL)
- NROS 381—Animal Brains, Signals, Sex, etc (3-unit) (7W1)

#### Macroorganismal

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

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### Lower Division Biology

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

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### 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 330—Molecular & Cellular Biology of Neurons (3-4 units) (7W1)
- NROS 430—Neurogenetics (3-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)

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

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### 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)
- HPS 306—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—Population Health Ed for Disease Outbreaks (3-units) (7W1)
- PHP 308—Community Health Ed for Disease Outbreaks (3-units) (7W2) Taught in Spanish

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### Genetics

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