Online Major Electives
Fall 2023

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 409—Evolution of Infectious Disease (3-units) 7W2
- ECOL 487RL—Animal Behavior Lab * (1-unit)
- ECOL 487R—Animal Behavior Lect (3-unit) 7W1
- GEOS 330 Intro to Remote Sensing (3-units) 7W2
- RNR 417 GIS for Natural and Social Science with lab * (3-units) Full

## Cell & Molecular Biology
- MCB 410—Cell Biology 7W2
- MCB 401—Medical Microbiology & Immunology (3-units) Full
- NROS 310—Molecular & Cellular Biology of Neurons (3-4 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. Must check upper-division units with advisor if taking this set.

## Genetics
- NROS430 - Neurogenetics (3-units) 7W1

## Biology of Organisms

### Microorganismal
- ECOL 409—Evolution of Infectious Disease (3-units) 7W2
- 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 487L—Animal Behavior Lab * (1-unit) 7W1
- ECOL 487R—Animal Behavior Lecture (3-unit) 7W1

## Bioinformatics Major
- ISTA 301—Computing and the Arts (3-units) FULL
- ISTA 431—Data Warehousing and Analytics in the Cloud (3-units) FULL
- MATH 313—Introduction to Linear Algebra (pre-requisite MATH 129, 223, 243 - 3-units) FULL

These are additional options for students in the Bioinformatics BS program.

## Science & Society
- ECOL 409—Evolution of Infectious Disease (3-units) 7W2
- HPS387 - Health Disparities & Minority Health (3-units) 7W1
- MCB 404—Bioethics (3 units) FULL
- PHP 305—Population Health in the Digital Age (3-units) 7W2
- PHP 308—Community Health Ed for Disease Outbreaks (3-units) 7W1
- EPID 309—Introduction to Epidemiology (3-units) Full
- PA 321—Medical Ethics (3-units) 7W1 or 7W2