

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
IMB 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

