THE NEW BIOLOGY MAJOR

CHOOSE WHERE YOU START:

MOLECULES, GENES, & CELLS

BIO 110

Biological Macromolecules
DNA & Heredity
The Central Dogma
Genetic Basis of Evolution
Cell Division
Viruses
Prokaryotes & Eukaryotes
Cell & Membrane Structure
Metabolism

FORM & FUNCTION OF LIVING SYSTEMS

BIO 120

Natural Selection
Speciation
Evolutionary Trees
Reproduction
Water & Ion Balance
Circulation
Digestion
Sensation & Movement
Thermoregulation

POPULATIONS, ECOSYSTEMS, & GLOBAL CHANGE

BIO 130

Foundations of Ecosystems
Population Ecology
Species Interactions
Energy Flow
Nutrient Cycling
Climate Systems
Biodiversity & Evolution
Conservation
Global Change Policy

- These courses can be taken concurrently or in any order
- Passing AP, IB, or A-Level scores receive credit for **BIO 115** Introductory Bio - Exam Equivalency
- Specific 100-level foundational courses are prerequisites for 300-level courses
- 400-level and research courses require **BIO 220** Data Literacy

TAKE:

MOLECULES, GENES, & CELLS
BIO 110

FORM & FUNCTION OF LIVING SYSTEMS
BIO 120

POPULATIONS, ECOSYSTEMS, & GLOBAL CHANGE
BIO 130

DATA LITERACY
BIO 220

AND LEVEL UP*:

BIO 300 Cell Biology
BIO 301 Microbiology
BIO 303 Biochemistry of the Cell
BIO 310 Genetics
BIO 322 Human Physiology
BIO 370 Immunology

BIO 321 Plant Physiology
BIO 326 Human Anatomical Systems
BIO 327 Comparative Anatomy & Embryology
BIO 336 Field Botany
BIO 338 Invertebrate Zoology
BIO 374 Pharmacology & Toxicology

BIO 313 Conservation Genetics
BIO 330 Public Health Biology
BIO 331 Nature of Diversity
BIO 335 Agroecology
BIO 337 Economic Botany
BIO 343 Environmental Systems

BIO 431 Landscape Ecology & Conservation
BIO 436 Forest Ecology
BIO 447 Animal Physiology
BIO 460 Neurobiology
BIO 499 Science Communication
BIO 510 Thesis

***other prerequisites may apply**