Biology Major Elective Courses by Disciplinary Area
(F: Fall offering, S: Spring offering, L indicates laboratory course)
(updated 7/11/2018)

Area I:  Cell/Molecular Biology

BIOL 3030  Biochemistry  F
BIOL 3050  Introduction to Neurobiology  F
BIOL 3240  Introduction to Immunology  S
BIOL 3650  Molecular Biology of Human Disease
BIOL 4005 (L)  Functional Genomic Screening to Identify Disease Mechanisms & Treatment  S
BIOL 4015 (L)  Neural Development Laboratory: From Stem Cells to Neuronal Circuity  F
BIOL 4040 (L)  Laboratory in Cell Biology  S
BIOL 4120  When Good Cells Go Bad  F
BIOL 4250  Human Genetics  S
BIOL 4260  Cellular Mechanisms  S
BIOL 4280  The Genetic Basis of Behavior  S
BIOL 4310  Sensory Neurobiology  S
BIOL 4320  Signal Transduction: How Cells Talk to Each Other  S
BIOL 4335  Functional Organization of Sensory Systems  F
BIOL 4340  Experimental Foundations of Neurobiology  F
BIOL 4430 (L)  Experimental Plant Biology Laboratory: Drugs & Infectious Diseases  F
BIOL 4440  Cell Biology of Lipids and Membranes  S
BIOL 4560 (L)  Electric Crayfish: Elements of Neurophysiology  F
BIOL 4660  How do they do it? Method and Logic in Biomedical Sciences  S

Area II:  Integrative Biology

BIOL 3040  Developmental and Regenerative Biology  S
BIOL 3090  Biology of Infectious Disease
BIOL 3180  Introduction to Plant Biology  S
BIOL 3270 (L)  General Microbiology with Laboratory  S
BIOL 3410 (L)  Human Anatomy and Physiology I  F
BIOL 3420 (L)  Advanced Human Anatomy and Physiology II  S
BIOL 3710  The Biology of Stress  F
BIOL 4050  Developmental Mechanisms of Human Disease  F
BIOL 4070 (L)  Developmental Biology Laboratory  F
BIOL 4190  Biological Clocks  F
BIOL 4335  Functional Organization of Sensory Systems  F
BIOL 4350  Metabolism: In Sickness and In Health  S
BIOL 4770  Synthetic Biology  S

Area III: Evolution/Ecology

BIOL 3250  Introduction to Animal Behavior  S
BIOL 3450  Biodiversity and Conservation  F
BIOL 3660 (L)  Marine Biology and Coral Reef Ecology in San Salvadore (Summer)
BIOL 4100 (L)  Management of Forest Ecosystems  F
BIOL 4130  Population Biology and Conservation Biology  F
BIOL 4135  Biology of Aging  F
BIOL 4150  Evolution of Sex  F
BIOL 4180  Behavioral Ecology  F
BIOL 4230  Bioinformatics and Functional Genomics  S
BIOL 4270 (L)  Animal Behavior Laboratory  F
BIOL 4380  Evolution and Ecology of Development  F
BIOL 4450  Plant-Animal Interactions  F
BIOL 4460 (L)  Forest Sampling  S
BIOL 4559  Plant Animal Interactions
BIOL 4610  Molecular Evolution  S
BIOL 4751 (L)  Plant Conservation and Diversity (Mountain Lake Summer field course)
BIOL 4754 (L)  Field Herpetology (Mountain Lake Summer field course)
BIOL 4758 (L)  Field Biology of Insects (Mountain Lake Summer field course)
BIOL 4759 (L)  Field Methods in Wildlife Ecology (Mountain Lake Summer field course)
BIOL 4760 (L)  Hormones and Behavior (Mountain Lake Summer field course)
EVSC 3200  Fundamentals of Ecology  F,S

Additional Evolution/Ecology area courses: List of Biology-related Environmental Sciences Courses
*Some elective courses might not be offered every year. Be sure to check with the instructor, when planning ahead.