

MAJOR ELECTIVES

Students must complete a **minimum of 18 credits** across this list. **At least 9 credits must be from “BZ” courses.**

*With the approval of the Biology Curriculum Committee, a maximum of 3 credits from BZ384, BZ 487, BZ 495, and BZ 498 may be applied towards a student’s major electives.

BZ 212 (4)	Animal Biology – Invertebrates	BZ 535 (3)	Behavioral & Cognitive Ecology
BZ 214 (4)	Animal Biology – Vertebrates	BZ 560 (3)	Teaching & Communication Science
BZ 223 (3)	Plant Identification	BZ 570 (3)	Molecular Aspects of Plant Development
BZ 300 (3)	Animal Behavior	BZ 572 (3)	Phytoremediation (online)
BZ 325 (4)	Plant Systematics		
BZ 329 (4)	Herpetology	ANEQ 310 (3)	Animal Reproduction
BZ 330 (4)	Mammalogy	ANEQ 320 (3)	Principles of Animal Nutrition
BZ 331 (4)	Developmental Plant Anatomy	ANEQ 322 (2)	Pet Nutrition
BZ 333 (4)	Introductory Mycology	ANEQ 323 (2)	Zoo Nutrition
BZ 335 (3)	Ornithology	ANEQ 330 (3)	Principles of Animal Breeding
BZ 339 (3)	Field Practicum		
BZ 340 (4)	Field Mammalogy	ANTH 370 (3)	Primates
BZ 348 (4)	Theory of Pop. & Evol. Ecology	ANTH 373 (3)	Human Evolution
BZ 349 (3)	Tropical Ecology & Evolution	ANTH 374 (3)	Human Biological Variation
BZ 360 (3)	Bioinformatics & Genomics	ANTH 470 (4)	Paleontology Field School
BZ 401 (3)	Comparative Animal Physiology		
BZ 415 (4)	Marine Biology	BC 401 (3)	Comprehensive Biochemistry I
BZ 418 (4)	Ecology of Infectious Diseases	BC 403 (3)	Comprehensive Biochemistry II
BZ 420 (3)	Evolutionary Medicine	BC 404 (2)	Comprehensive Biochemistry Lab
BZ 424 (3)	Principles of Systematic Zoology	BC 463 (3)	Molecular Genetics
BZ 425 (3)	Conservation & Population Genomics	BC 353 (4)	Pre-Health Genetics
BZ 430 (3)	Animal Behavior & Conservation		
BZ 433 (4)	Behavioral Genetics	BMS 300 (4)	Human Physiology
BZ 435 (2)	Study Abroad-Honduras: Dolphin Behavior & Physiology	BMS 301 (5)	Human Gross Anatomy
BZ 440 (3)	Plant Physiology	BMS 302 (2)	Laboratory in Principles of Physiology
BZ 441 (2)	Plant Physiology Lab	BMS 305 (4)	Domestic Animal Gross Anatomy
BZ 449A (4)	Study Abroad-Ecuador: Ecology & Conservation-Ecuadorian Biodiversity	BMS 310 (4)	Anatomy for the Health Prof. (online)
BZ 450 (4)	Plant Ecology	BMS 320 (2)	Virtual Laboratory in Physiology
BZ 460 (4)	Genome Evolution	BMS 325 (3)	Cellular Neurobiology
BZ 462 (5)	Parasitology & Vector Biology	BMS 330 (4)	Microscopic Anatomy
BZ 471 (3)	Stream Biology & Ecology	BMS 345 (4)	Functional Neuroanatomy
BZ 472 (1)	Stream Biology & Ecology Lab	BMS 405 (3)	Nerve & Muscle – Toxins, Trauma, & Disease
BZ 475 (3)	Marine Mammalogy	BMS 409 (3)	Human & Animal Reproductive Bio
BZ 476 (3)	Genetics of Model Organisms	BMS 420 (3)	Cardiopulmonary Physiology
BZ 477 (2)	Genome Editing	BMS 425 (3)	Introduction to Systems Neurobiology
BZ 478 (3)	Biology & Behavior of Cats (online)	BMS 430 (3)	Endocrinology
BZ 479 (3)	Biology & Behavior of Dogs (online)	BMS 450 (3)	Pharmacology
BZ 482C (3)	Study Abroad-Mexico: Marine Biol. & Ecology	BMS 460 (3)	Essentials of Pathophysiology
BZ 482D (3)	Study Abroad-Kenya: Behavior & Biology of African Mammals	BSPM 302 (2)	Applied & General Entomology
BZ 492A-G	Seminar (topic dependent on instructor)	BSPM 303A (2)	Entomology Lab: General
BZ 496 (1)	Group Study – Biology (Honors)	BSPM 361 (3)	Elements of Plant Pathology
BZ 510 (3)	Zoophysiological Ecology	BSPM 423 (3)	Evolution & Classification of Insects
BZ 515 (3)	Physiological Ecology of Marine Vertebrates	BSPM 445 (4)	Aquatic Insects
		ERHS 332 (3)	Principles of Epidemiology

ERHS 450 (3) Introduction to Radiation Biology

F 311 (3) Forest Ecology

FSHN 350 (3) Human Nutrition

FW 300 (2) Biology & Diversity of Fishes

FW 301 (1) Ichthyology Lab

FW 304 (3) Conservation of Marine Megafauna

FW 400 (3) Cons. of Fish in Aquatic Ecosystems

FW 405 (3) Fish Physiology

GEOL 342 (3) Paleontology

HES 403 (4) Physiology of Exercise

HORT 460 (3) Plant Breeding

MIP 300 (3) General Microbiology

MIP 302 (2) General Microbiology Lab

MIP 303 (1) General Microbiology – Honors
Recitation

MIP 315 (3) Human & Animal Disease

MIP 334 (3) Food Microbiology

MIP 335 (2) Food Microbiology Lab

MIP 342 (4) Immunology

MIP 343 (2) Immunology Lab

MIP 351 (3) Medical Bacteriology

MIP 352 (3) Medical Bacteriology Lab

MIP 420 (4) Medical & Molecular Virology

MIP 425 (2) Virology & Cell Culture Lab

MIP 432 (3) Microbial Ecology

MIP 433 (1) Microbial Ecology Lab

MIP 443 (4) Microbial Physiology

MIP 450 (3) Microbial Genetics

NR 370 (3) Coastal Environmental Ecology

PSY 352 (3) Learning & Memory

PSY 454 (3) Biological Psychology

RS 331 (3) Wildland Plants & Plant Communities

RS 351 (3) Wildland Ecosystems in a Changing
World

RS 478 (3) Ecological Restoration

SOCR 455(3) Soil Microbiology

SOCR 456(1) Soil Microbiology Lab

VS 331 (4) Histology (online)

VS 333 (4) Domestic Animal Anatomy (online)