

BIOLOGY MAJOR (BS)

REQUIRED COURSES	Credits	
BIOL 12100 Principles of Biology, Cell and Molecular	4	
BIOL 12200 Principles of Biology, Ecology and Evolution	4	
BIOL 22700 Genetics	4	
BIOL 20700 Communicating Biology	3	
BIOL 30200 Research Biology	3	
BIOL 411/41200 Seminar	1	
Choose ONE from each group:	Credits	Credits
EVOLUTIONARY PERSPECTIVE		CELLULAR/MOLECULAR PERSPECTIVE
BIOL 22300 Biology of Oceanic Islands	3	BIOL 31500 Neurobiology 4
BIOL 22800 The Evolution of Adaptations	3	BIOL 34500 Developmental Biology 4
BIOL 27100 General Ecology	4	BIOL 35200 Microbiology 4
BIOL 32400 Wonderful Life: Genes, Evolution, and Biodiversity	3	BIOL 35400 Cell Biology 4
BIOL 47800 Evolution	4	BIOL 37300 Plant Physiology 4
Electives (choose FOUR)	Credits	
Includes Evol, Cell/Molec courses AND the courses listed here		
BIOL 21400 Animal Physiology	4	
BIOL 22500 The Power of Plants: Plants in Medicine and Agriculture	4	
BIOL 28400 Field Ornithology	4	
BIOL 30800 Animal Behavior	4	
BIOL 33000 Genomics, Bioinformatics, and Computational Biology	4	
BIOL 37901 Freshwater Ecology	4	
BIOL 40400 Special Topics: Immunology	4	
BIOC 33300 Biochemistry and Molecular Biology	3	
BIOC 35300 Biochemistry: Protein Structure and Function	3	
BIOC 35400 Biochemistry: Molecular Biology of the Gene	4	
REQUIREMENTS OUTSIDE THE DEPARTMENT	Credits	
CHEM 12100 Principles of Chemistry	3	
-OR-		
CHEM-12300 Principles of Chemistry		
CHEM 12200 Principles of Chemistry Lab	1	
CHEM 22400 Organic I Chemistry Lab	1	
CHEM 22100 Organic Chemistry I	3	
MATH 14500 Stats for Health, Life and Social Sciences	4	
CHOOSE TWO OF THE FOLLOWING (BS degree ONLY):		
CHEM 22200 Organic Chemistry II and lab	4	
CHEM 23200 Quantitative Chemistry and lab	4	
PHYS 10100 Intro to Physics I	4	
-OR-		
PHYS 11700 Principles of Physics I		
PHYS 10200 Intro to Physics II	4	
-OR-		
PHYS 11800 Principles of Physics II		