

BIOLOGY (7-12)

59-64 credits

Code	Title	Credits
Required Biology Courses (12 Credits)		
BIO201 & BIO211	General Biology I and Gen Bio 1 Lab	4
BIO202 & BIO212	General Biology II and Gen Bio 2 Lab	4
BIO320 & BIO321	Genetics and Genetics Lab	4
Content Areas (9-12 Credits)		
Select one course from each of the following content areas:		9-12
Environmental Biology:		
BIO301	Field Biology Fall	
BIO340	Ecology	
BIO425	Plant Ecophysiology	
BIO440	Freshwater Biology	
BIO445	Ornithology	
Evolution and Diversity of Life:		
BIO305	Plant Morphology	
BIO307	Comparative Vertebrate Anatomy	
BIO360	Virology	
BIO370	Animal Physiology	
BIO412	Evolutionary Theory	
BIO418	Animal Behavior	
BIO435	Entomology	
BIO446	Cellular Evolution	
Architecture of Life:		
BIO311	Developmental Plant Anatomy	
BIO350	General Microbiology	
BIO358	Molecular Biology	
BIO359	Cell Biology	
BIO388	Biological Chemistry	
BIO413	Developmental Biology	
BIO444	Nucleic Acid Technologies	
BIO448	Host-Microbe Coevolution	
BIO451	Capstone Microbiology	
BCM360	Protein Structure and Function	
BCM461	Biochemistry 1	
Biology Electives (7-9 Credits)		
Two (2) upper-division courses		7-9
Required Cognate Courses (31 Credits)		
CHE201 & CHE211	General Chemistry I and General Chemistry I Lab	4
CHE202 & CHE212	General Chemistry II and General Chemistry II Lab	4
CHE318 & CHE306	Organic Chemistry I and Organic Chemistry I Lab	4
Select one of the following:		8
Option One:		

PHY221 & PHY211	Fundamental Physics 1 and Physics 1 Laboratory	
PHY222 & PHY232	Fundamental Physics II and Fundamental Physics 2 Lab	
Option Two:		
PHY201 & PHY211	General Physics 1 and Physics 1 Laboratory	
PHY202 & PHY212	General Physics 2 and General Physics 2 Lab	
MAT251	Calculus I	4
MAT252	Calculus II	4
MAT241	Introduction to Statistics	3
Total Credits		59-64