

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