

## Biology Major (BS)

### Summary of Requirements for a Major in Biology Leading to a Bachelor of Science Degree

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Item #	Title	Credits
BIO 110	Principles of Biology I	4
BIO 112	Principles of Biology II	4
BIO 250	Cell Biology	4
BIO 252	Genetics	4
	BIO 340 or BIO 370	4
	BIO 300 or MTH 360 or PSY 235	3
BIO 495	Senior Evaluation	0
CHM 105	Introduction to Chemistry *	4
CHM 110	General Chemistry I	4
CHM 120	General Chemistry II	4
CHM 210	Organic Chemistry I	4
MTH 110	Elementary Functions	3
	Physics Electives (4 credits)	4
	Biology Major Electives - BS	18

## CORE CURRICULUM

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Item #	Title	Credits
	Core Curriculum Requirements (In addition to Major hours)	44-48
	<b>Total Credits</b>	<b>108-112</b>

### BIO 340 or BIO 370

Item #	Title	Credits
BIO 340	Ecology	4
BIO 370	Evolution	4

### BIO 300 or MTH 360 or PSY 235

Item #	Title	Credits
BIO 300	Biostatistics	3
MTH 360	Probability and Statistics	3
PSY 235	Statistics for the Behavioral Sciences	3

### Physics Electives (4 credits)

\* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

Item #	Title	Credits
PHY 210	General Physics I	3
PHY 211	General Physics I Laboratory	1
PHY 240	Fundamentals of Physics I	3
PHY 241	Fundamentals of Physics I Laboratory	1

## Biology Major Electives - BS

**\*All science electives must be at least 200-level.**

**At least 12 credits must be 300-level or higher; at least 3 courses must have labs.**

## Biology Electives

### Biology Electives

Item #	Title	Credits
BIO 205	Biomedical Terminology	1
BIO 220	General Botany	4
BIO 222	General Zoology	4
BIO 260	Human Anatomy and Physiology I	4
BIO 262	Human Anatomy and Physiology II	4
BIO 282	Special Topics	1-4
BIO 290	Introduction to Biological Research	1-4
BIO 310	Health Coaching	1
BIO 311	Health Coaching Practicum	1
BIO 320	Teaching in the Biology Laboratory	1
BIO 330	Medical Cell Biology	4
BIO 340	Ecology	4
BIO 345	Speleology	4
BIO 350	Microbiology	4
BIO 352	Molecular Biology	4
BIO 356	Biochemistry	4
BIO 360	Comparative Physiology	4
BIO 364	Developmental Biology	4
BIO 366	Histology	4
BIO 370	Evolution	4
BIO 375	Exercise Physiology	4
BIO 382	Special Topics in Biology	3-4
BIO 470	Directed Study	1-4
BIO 480	Directed Research	1-4

## Chemistry Electives

### Chemistry Electives

Item #	Title	Credits
CHM 220	Organic Chemistry II	4
CHM 356	Biochemistry	4

## Exercise Science Electives

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Item #	Title	Credits
EXS 375	Exercise Physiology	4

## Psychology Electives

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Item #	Title	Credits
PSY 318	Biological Psychology	3
PSY 353	Introduction to Evolutionary Psychology	3

## Science Electives

### Science Electives

Item #	Title	Credits
SCI 282	Special Topics in Science	1-4
SCI 382	Special Topics in Science	1-4