

BIOLOGY MAJOR
Organismal Biology Option

First Year

BIOL 1053	Principles of Biology I	3	BIOL 1083	Principles of Biology II	3
BIOL 1041	Prin of Biol I Lab	1	BIOL 1091	Prin of Biol II Lab	1
CHEM 1103	<i>General Chemistry I</i>	3	CHEM 1113	General Chemistry II	3
CHEM 1121	<i>General Chem I Lab</i>	1	CHEM 1131	General Chem II Lab	1
MATH 1043	<i>College Algebra</i>	3	MATH 1073	Compact Calculus	
ENGL 1013	<i>Freshman Comp I</i>	3	ENGL 1023	<i>Freshman Comp II</i>	3
HIST 10x3	<i>Survey of Civilization</i>	3	HIST 2213	<i>Amer History I</i>	3
			OR HIST 2223	<i>Amer History II</i>	
			OR PSCI 2213	<i>Amer National Gov't</i>	
Total			Total		
17			17		

Second Year

BIOL 1153	General Zoology	3	BIOL 1143	General Botany	3
BIOL 1161	General Zoology Lab	1	BIOL 1171	General Botany Lab	1
CHEM 2203	Intro Organic & Bio Chemistry	3	PSY 1013	<i>Intro Psychology</i>	3
CHEM 2211	Intro Organic & Bio Chem Lab	1	ENGL 22x3	<i>World Literature 3</i>	
CIS 2223	<i>Computer Information Systems</i>	3	SPCH _____	<i>Speech</i>	3
	<i>Social Science Elective</i>	3	BIOL 3524	Ornithology	3
MUS 1113	<i>Music Appreciation</i>	3	OR BIOL 3314	Inhthyology/Herpetology	
OR ART 1053	<i>Art Appreciation</i>				
Total			Total		
17			16		

Third Year

BIOL 3484	General Ecology	4	BIOL 4634	Vertebrate Physiology	4
PHYS 2203	General Physics I	3	BIOL 3354	Genetics	4
PHYS 2231	Physics Lab I	1	_____	<i>Humanities Elective</i>	3
SIS 3814	Intro to GIS, GPS, and Remote Sensing	4	BIOL _____	Major Elective	4
BIOL 3413	Mammalogy (3 hour)				
BIOL 3451	Mammalogy Lab (1 hour)				
OR BIOL 3574	Comparative Anatomy	4			
Total			Total		
16			15		

Fourth Year

BIOL 3363	Cell Biology	3	BIOL 3763	Evolution	3
ESCI 1063	<i>Elements of Geology</i>	3	BIOL 4741	Seminar	1
ESCI 1051	<i>Elements of Geology Lab</i>	1	BIOL _____	Major Elective	4
BIOL 3413	Mammalogy (3 hours)		BIOL _____	Major Elective	4
BIOL 3451	Mammalogy Lab (1 hour)		BIOL _____	Major Elective	2
OR BIOL 3574	Comparative Anatomy	4			
BIOL _____	Major Elective	4			
Total			Total		
15			14		

Junior/Senior Biology Electives:

BIOL 3314 Ichthyology/Herpetology	BIOL 3594 Invertebrate Zoology
BIOL 3423 Plant Morphology	BIOL 358V Natural History
BIOL 3434 Regional Flora	BIOL 4673 Pharmacology
BIOL 3413 Mammalogy	BIOL 4724 Aquatic Biology
BIOL 3451 Mammalogy Lab	BIOL 4734 Animal Behavior
BIOL 3503 Marine Biology	BIOL 4753 Selected topics of Biology
BIOL 3511 Marine Biology Laboratory	BIOL 479V Independent Study
BIOL 3524 Ornithology	

Students required to enroll in Developmental courses will either need to attend summer school or take additional courses during the Fall and/or Spring semesters. Credit hours earned in developmental courses do not apply toward the 124 hours required for graduation

Specific Requirements for a Biology Major Organismal Biology Option

Major Requirements	39 hours	Supportive Requirements	30 hours
BIOL	1041 Principles of Biology I Lab	CHEM 1103	General Chemistry I
BIOL	1053 Principles of Biology I	CHEM 1113	General Chemistry II
BIOL	1083 Principles of Biology II	CHEM 1121	General Chemistry I Laboratory
BIOL	1091 Principles of Biology II Lab	CHEM 1131	General Chemistry II Laboratory
BIOL	1143 General Botany	CHEM 2203	Intro to Organic & Bio Chemistry
BIOL	1153 General Zoology	CHEM 2211	Intro to Organic & Bio Chemistry
BIOL	1161 General Zoology Laboratory	MATH 1073	Compact Calculus
BIOL	1171 General Botany Laboratory	PHYS 2203	General Physics I and
BIOL	3354 Genetics	PHYS 2231	Physics Laboratory I
BIOL	3363 Cell Biology	SIS 3814	Intro to GIS & Lab
BIOL	3484 General Ecology		
BIOL	3574 Comparative Anatomy & Lab		
BIOL	3654 Vertebrate Physiology & Lab		
BIOL	3763 Evolution		
BIOL	4741 Seminar in Biology		

As some courses are not offered every semester it is very important for students to enroll in courses when they are available. The following courses are offered in the indicated semester:

Every Fall

BIOL	1053	Principles I
BIOL	1041	Principles I Lab
BIOL	3484	General Ecology
CHEM	3314	Quantitative Analysis
CHEM	3404	Organic Chemistry I
CHEM	4633	Biochemistry I
ESCI	1051	Elements of Geology Lab
ESCI	1063	Elements of Geology
PHYS	2323	University Physics II

Every Spring

BIOL	1083	Principles II
BIOL	1091	Principles II Lab
BIOL	3354	Genetics
BIOL	4634	Vertebrate Physiology
BIOL	4673	Pharmacology
CHEM	3414	Organic Chemistry II
CHEM	1113	General Chemistry II
CHEM	1131	General Chemistry II Lab
CHEM	4643	Biochemistry II
CHEM	4731	Biochemistry Lab
ESCI	1073	Earth & Atmosphere
ESCI	1081	Earth & Atmosphere Lab
PHYS	2313	University Physics I

Fall of odd numbered year semesters:

BIOL 3363 Cell Biology
BIOL 3413 Mammalogy
BIOL 3574 Comparative Anatomy

Spring of even numbered years:

BIOL 3314 Ichthyology/Herpetology
BIOL 3763 Evolution

Fall of even numbered years:

BIOL 3493 Environmental Science

Spring of odd numbered years

BIOL 3434 Regional Flora

BIOL 3524 Ornithology