

## 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
				<b>OR</b>	HIST	2223	<i>Amer History II</i>
				<b>OR</b>	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</i>	3
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	<b>OR</b>	BIOL	3314	Inhthyology/Herpetology
<b>OR</b>	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	3363	Cell Biology	3	
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)						
<b>OR</b>	BIOL	3574	Comparative Anatomy	4				
Total				Total				
16				14				

### Fourth Year

BIOL	3354	Genetics	4	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	
<b>OR</b>	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

<b>Major Requirements</b> 39 hours		<b>Supportive Requirements</b> 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 3354	Genetics
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 3363	Cell Biology
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 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
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#### **Spring of odd numbered years**

BIOL 3434	Regional Flora
BIOL 3524	Ornithology