

BIOLOGY MAJOR

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	General Chemistry I	3	CHEM	1113	General Chemistry II	3
CHEM	1121	General Chem I Lab	1	CHEM	1131	General Chem II Lab	1
MATH	1043	College Algebra	3	MATH	1033	Trigonometry	3
ENGL	1013	Freshman Comp I	3	ENGL	1023	Freshman Comp II	3
				HIST	1xx3	Survey Civilization	3
Total			14	Total			17

Second Year

BIOL	1143	General Botany	3	BIOL	1153	General Zoology	3
BIOL	1171	General Botany Lab	1	BIOL	1161	General Zoology Lab	1
CHEM	3404	Organic Chemistry I	4	CHEM	3414	Organic Chemistry II	4
SPCH	1xx3	Speech	3	PSY	1013	Intro Psychology	3
MUS	1113	Music Appreciation	3	HIST	2xx3	American History	3
OR	ART 1053	Art Appreciation		ENGL	2xx3	Survey World Lit	3
		Social Science Elective	3				
Total			17	Total			17

Third Year

BIOL	3484	General Ecology	4	BIOL	3763	Evolution	3
BIOL	3354	Genetics	4	BIOL	3363	Cell Biology	3
PHYS	2203	General Physics I	3	PHYS	2213	General Physics II	3
PHYS	2231	Physics Lab I	1	PHYS	2241	Physics Lab II	1
Minor Electives			3	Minor Electives			3
				Upper Level Minor Elective			3
Total			15	Total			16

Fourth Year

BIOL	xxx4	Jr./Sr. Elective	4	BIOL	4634	Vertebrate Physiology	4
ESCI	1063	Elements of Geology	3	BIOL	4741	Seminar	1
ESCI	1051	Elem of Geology Lab	1			Humanities Elective	3
Minor Elective			6	Upper Level Minor Elective			3
Upper Level Minor Elective			3	Minor Elective			3
Total			17	Total			14

Junior/Senior Biology Electives:

BIOL 3314 Ichthyology/Herpetology	BIOL 3574 Comparative Anatomy
BIOL 3333 Molecular Biology	BIOL 3594 Invertebrate Zoology
BIOL 3434 Regional Flora	BIOL 4624 Vertebrate Embryology
BIOL 3413 Mammalogy	BIOL 4664 Mammalian Histology
BIOL 3493 Environmental Science	BIOL 4673 Pharmacology
BIOL 3503 Marine Biology	BIOL 4724 Aquatic Biology
BIOL 3511 Marine Biology Laboratory	BIOL 4734 Animal Behavior
BIOL 3524 Ornithology	CHEM 4633 Biochemistry I
BIOL 3553 Microbiology	CHEM 4643 Biochemistry II
BIOL 3561 Microbiology Lab	CHEM 4731 Biochemistry Lab

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

Major Requirements 39 hours			Supportive Requirements 30 hours		
BIOL	1053	Principles of Biology I	CHEM	1103	General Chemistry I
BIOL	1041	Principles of Biology I Lab	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	1153	General Zoology	CHEM	3404	Organic Chemistry I
BIOL	1161	General Zoology Laboratory	CHEM	3414	Organic Chemistry II
BIOL	1143	General Botany			
BIOL	1171	General Botany Laboratory	MATH	1033	Trigonometry
BIOL	3354	Genetics	MATH	1043	College Algebra
BIOL	3363	Cell Biology	Choose one of the following course sequences:		
BIOL	3484	General Ecology	PHYS	2203	General Physics I and
BIOL	3763	Evolution	PHYS	2213	General Physics II
BIOL	4634	Vertebrate Physiology	or		
BIOL	4741	Seminar in Biology	PHYS	2313	University Physics I and
Electives:			PHYS	2323	University Physics II
Four hours of 3000-4000 level Biology courses			PHYS	2231	Physics Laboratory I
			PHYS	2241	Physics Laboratory II

The biology major requires a minor.

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
BIOL	3354	Genetics
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