

BIOLOGY

Bachelor of Science

Curriculum Guide

▪ FIRST YEAR

First Semester

BIOL	151	General Biology	4
ENGL	111	College Writing I	3
MATH	121	Precalculus	5
CHEM	151	General Chemistry	4
			<u>16</u>

Total

Second Semester

BIOL	152	General Biology	4
ENGL	112	College Writing II	3
MATH	184	Calculus I	4
COMM	105	Public Speaking	2
CHEM	152	General Chemistry	4
			<u>17</u>

Total

▪ SECOND YEAR

First Semester

CHEM	211	Organic Chemistry	4
BIOL	375	Ecology	4
or BIOL [^]	365	or Plant Biology (3 hrs)	
HIST*	157	West and the World	3
HHPA	155	Concepts of Wellness	2
RELB		Religion Elective	3
			<u>16</u>

Total

Second Semester

CHEM	212	Organic Chemistry	4
BIOL	296	Research Methods I	1
BIOL	321	Genetics	4
CPTR*	125	Introduction to Computers	3
or CPTR*	220	Microcomputer Applications	
HHPA		Activity Elective	1
ENGL		Literature Elective	3
			<u>16</u>

Total

▪ THIRD YEAR

First Semester

PHYS	151	General Physics	4
BIOL [^]	365	Plant Biology	3
or BIOL	375	Ecology (4 hrs)	
BIOL	386	Research Methods II	1
HHPA		Activity Elective	1
BIOL		Biology Elective	3
		Fine Arts and Humanities Elective	2
		Electives	2
			<u>16</u>

Total

Second Semester

PHYS	152	General Physics	4
BIOL	377	Origins	3
BIOL	310	Seminar in Biology	1
BIOL	396	Research Methods III	1
RELT	141	Christian Beliefs	3
		Social Science Elective	3
		Fine Arts and Humanities Elective	2
			<u>17</u>

Total

▪ FOURTH YEAR

First Semester

BIOL	416	Mammalian Physiology	4
BIOL	496	Research Methods IV	1
BIOL*		Biology Elective	3
REL		Religion Elective	3
		Social Science Elective	3
		Electives	2
			<u>16</u>

Total

Second Semester

BIOL	406	Cell and Molecular	4
BIOL	326	Developmental Biology	4
REL		Religion Elective	3
		Electives	3
			<u>14</u>

Total

128 hours are required for graduation. 40 hours must be upper division (300 level or above).

* Other courses may also meet this requirement. See the Union College Bulletin 2010.

[^] Alternate year course.

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.