

# B.S. Biology, Biomedical Emphasis

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

## Biology, B.S. Core Curriculum

Required of all B.S. students.

Item #	Title	credits
BIOL 111	General Biology I	4
BIOL 112	General Biology II	4
BIOL 180	Biology Research Seminar	1
BIOL 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3

## Required Courses

Item #	Title	credits
BIOL 340	Cell and Molecular Biology I	4

## Electives (6-8 credit hours) to be selected from the following courses:

In order for BIOL 480 to count as an elective, at least three credit hours of BIOL 480 must be completed and a final presentation must be given.

Item #	Title	credits
BIOL 318	Microbiology & Immunology	4
BIOL 333	Parasitology	3
BIOL 341	Cell and Molecular Biology II	4
BIOL 410	Human Physiology	4
BIOL 443	Comparative Vertebrate Anatomy	4
BIOL 450	Histology	4
BIOL 455	Immunology	3
BIOL 480	Research in Biology	3

## Required Cognates

Item #	Title	credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 231	Organic Chemistry I	4
CHEM 232	Organic Chemistry II	4
CHEM 431	Biochemistry I	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
	MATH 141 or 180	3-4
	<b>Total credits:</b>	<b>60-63</b>

# Category Descriptions

## MATH 141 or 180

Credits: 3-4

Item #	Title	credits
MATH 141	Introduction to Probability and Statistics	3
MATH 180	Precalculus	4