

# B.S. Biology, Ecology and Conservation Biology 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 230	Ecology	4
BIOL 320	Genetics	4
BIOL 419	Philosophy of Science	3

## Required Courses

In consultation with the advisor, BIOL 480 Research in Biology, may replace one of the electives. 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 328	Biostatistics	3
BIOL 345	Environment and Mankind	4
BIOL 360	Plant Biology	4
BIOL 443	Comparative Vertebrate Anatomy	4
BIOL 475	Management of Fish & Wildlife Resources	4

## Botany electives:

Item #	Title	credits
BIOL 314	Systematic Botany	4
BIOL 465	Plant Physiology	4

## Ecology electives:

Item #	Title	credits
BIOL 325	Field Ecology	4
BIOL 335	Limnology	4

## Zoology electives:

Choose one course.

Item #	Title	credits
BIOL 331	Vertebrate Ectotherms	4
BIOL 336	Endotherms	4
BIOL 443	Comparative Vertebrate Anatomy	4

## Required Cognates

Item #	Title	credits
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	MATH 141 or 180	3-4
	<b>Total credits:</b>	<b>64-66</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