

# Zoology 2014

## Major: Zoology

Degree Type: B.A. or B.S.

Required Degree Credits to Graduate: 122

## General Education Requirements

### First Year Experience (F):

UNIV 189	Skills For Academic Success (Students transferring in 24 or more credits do not need to take UNIV 189.)	1
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### Communication (C):

ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
ENGL 324	Writing in the Sciences	3
COMM 110	Fundamentals of Public Speaking	3

### Quantitative Reasoning (R):

STAT 330	Introductory Statistics	3
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**Science & Technology (S):** The 10 credits required in the Science and Technology category will be fulfilled with requirements of the major. 10

**Humanities & Fine Arts (A):** Select from current general education list 6

**Social & Behavioral Sciences (B):** Select from current general education list 6

**Wellness (W):** Select from current general education list 2

**Cultural Diversity (D):** Select from current general education list

**Global Perspectives (G):** Select from current general education list

Total Credits 40

## College Requirements

**Bachelor of Science (BS) Degree** – An additional 6 credits in Humanities or Social Sciences\*

**Bachelor of Arts (BA) Degree** – An additional 12 credits Humanities and Social Sciences\* and proficiency at the second year level in a modern foreign language.

\* Humanities and Social Sciences may be fulfilled by any course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN, GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the approved list of general education courses in humanities and social sciences (general education categories A and B). These credits must come from outside the department of the student's major.

## Major Requirements

- Except for courses offered only as pass/fail grading, no course may be taken Pass/Fail.
- A 2.00 GPA is needed in Zoology major courses; this does not include option courses.

**General Education Requirements** 40

**Science and Mathematics College Requirements** 6-12

### Zoology Core Requirements

BIOL 150 & 150L	General Biology I and General Biology I Laboratory	4
BIOL 151 & 151L	General Biology II and General Biology II Laboratory	4
BIOL 359	Evolution	3
ZOO 315 & 315L	Genetics and Genetics Laboratory	4
ZOO 491	Seminar (Must be taken during student's senior year)	2

**Related Required Course for all Options**

CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory	4
CHEM 122 & 122L	General Chemistry II and General Chemistry II Laboratory	4
MATH 146	Applied Calculus I	4

**Zoology Option: Select one of the options (General Zoology; Physiology, Cell Biology, and Health Science; or Fisheries, Wildlife, Ecology and Behavior) listed below to complete the zoology major** 27-37

## General Zoology Option (min. of 30 cr.):

CHEM 341 & 341L	Organic Chemistry I and Organic Chemistry I Laboratory	
PHYS 120	Fundamentals of Physics	
ZOO 280	Comparative Chordate Morphology	
ZOO 450	Invertebrate Zoology	
ZOO/BIOL	Two courses from group one (see below)	
ZOO/BIOL	Two courses from group three (see below)	
ZOO/BIOL	One course from any group (see below)	

## Physiology, Cell Biology and Health Science Option (min. of 37 cr.):

CHEM 341 & 341L	Organic Chemistry I and Organic Chemistry I Laboratory	
CHEM 342 & 342L	Organic Chemistry II and Organic Chemistry II Laboratory	
PHYS 211 & 211L	College Physics I and College Physics I Laboratory	
PHYS 212 & 212L	College Physics II and College Physics II Laboratory	
ZOO 370	Cell Biology	
ZOO 460	Animal Physiology	
ZOO/BIOL	Two courses from group one (see below)	
ZOO/BIOL	Two courses from group two (see below)	
ZOO/BIOL	One course from group three (see below)	

## Fisheries, Wildlife, Ecology and Behavior Option (min. of 27 cr.):

BIOL/ZOO 364	General Ecology	
CHEM 240	Survey of Organic Chemistry	
PHYS 120	Fundamentals of Physics	
ZOO 475	Conservation Biology	
ZOO/BIOL	One course from group one (see below)	
ZOO/BIOL	Two courses from group two (see below)	
ZOO/BIOL	Two Courses from group three (see below)	

**Degree Requirements: Potential of 30 credits to reach 122** 30

Total Credits

122-138

## Option Electives

### Group One

BIOL 478	Methods in Animal Physiology	3
ZOO 370	Cell Biology	3
ZOO 380	Vertebrate Histology	3
ZOO 460	Animal Physiology	3
ZOO 464	Endocrinology	3
ZOO 482	Developmental Biology	3

### Group Two

ZOO 280	Comparative Chordate Morphology	4
ZOO 360	Animal Behavior	3
ZOO 450	Invertebrate Zoology	4
ZOO 452	Ichthyology	3
ZOO 454	Herpetology	3
ZOO 456	Ornithology	3
ZOO 458	Mammalogy	3

### Group Three

BIOL/ZOO 364	General Ecology	3
BIOL 480	Ecotoxicology	3
BIOL 481	Wetland Science	3
ZOO 462	Physiological Ecology	3
ZOO 470	Limnology	4
ZOO 475	Conservation Biology	3
ZOO 476	Wildlife Ecology and Management	3
ZOO 477	Wildlife and Fisheries Management Techniques	3

## Department Notes

- Students may not minor in biology or zoology with this major.