

# ZOOLOGY MAJOR

NAME: \_\_\_\_\_

Entering Major: \_\_\_\_\_ Graduation: \_\_\_\_\_

## GRADUATION REQUIREMENTS

1. Complete all Biology Core, Upper Division Zoology, Physical Sciences/Math, and AUCC Requirements.
2. **Minimum of 120 total credits.**
3. Minimum of **42 upper division credits** (300 level or above).  
\*30 upper division credits must be in-residence at CSU
4. Minimum of **2.0 CUMULATIVE GPA.**

## GRADE REQUIREMENTS

**Must earn at least a C- in all the Biology Core, Upper Division Zoology, and Physical Sciences/Math courses. This also applies to courses taken as substitutions for these requirements.**

## BIOLOGY CORE REQUIREMENTS

(LIFE102 Attributes of Living Systems (4) \_\_\_\_\_)  
(LIFE103 Biology of Organisms (4) \_\_\_\_\_)

**OR**

(BZ110 Principles of Animal Bio (3) \_\_\_\_\_)  
(BZ111 Principles of Animal Lab (1) \_\_\_\_\_)  
(BZ120 Principles of Plant Biology (4) \_\_\_\_\_)

BZ212 Animal Bio: Invertebrates (4) \_\_\_\_\_

BZ214 Animal Bio: Vertebrates (4) \_\_\_\_\_

BZ220 Introduction to Evolution (3) \_\_\_\_\_

LIFE320 Ecology (3) \_\_\_\_\_

BZ310 Cell Biology (4) \_\_\_\_\_

BZ350 Molecular & General Genetics (4) \_\_\_\_\_

## UPPER DIVISION ZOOLOGY

**Select a minimum of 15 credits of upper division courses listed on back of check sheet**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Student Signature

Date

*Signature acknowledges that student has been informed of degree requirements. Courses may change based on curriculum and course availability.*

## PHYSICAL SCIENCES/MATH

### CHEMISTRY

CHEM111(4) \_\_\_\_\_ CHEM112(1) \_\_\_\_\_

**AND**

CHEM113(3) \_\_\_\_\_ CHEM114(1) \_\_\_\_\_

### ORGANIC CHEMISTRY

CHEM245 (4) \_\_\_\_\_ CHEM246 (1) \_\_\_\_\_

**OR**

CHEM341 (3) \_\_\_\_\_ CHEM343 (3) \_\_\_\_\_ CHEM344 (2) \_\_\_\_\_

### BIOCHEMISTRY

BC351 (4) \_\_\_\_\_

**OR**

BC401 (3) \_\_\_\_\_ BC403 (3) \_\_\_\_\_

### PHYSICS

PH121 (5) \_\_\_\_\_ PH122 (5) \_\_\_\_\_

**OR**

PH141 (5) \_\_\_\_\_ PH142 (5) \_\_\_\_\_

### CALCULUS

MATH155 (4) \_\_\_\_\_ **OR** MATH160 (4) \_\_\_\_\_

### STATISTICS

STAT301 (3) \_\_\_\_\_ **OR** STAT307 (3) \_\_\_\_\_

**Requirements for earning credit for Internships, Research, Independent Study, and Supervised Teaching (BZ384, BZ487, BZ495, BZ498).**

- Cumulative GPA: 2.5 GPA in major: 3.0

- Junior standing or higher.

**With approval of the Curriculum Committee, up to 3 credits can be applied toward a student's Selected/Additional Field requirements.**

## ALL UNIVERSITY CORE CURRICULUM (AUCC)

**Must earn at least a 2.0 cumulative GPA in the AUCC courses.**

### Category 1

1A Written Communication (3 credits)

CO150 \_\_\_\_\_

### Category 2

2 Additional Communication (3 credits)

Advanced Writing \_\_\_\_\_

### Category 3

3B Arts/Humanities (6) \_\_\_\_\_

3C Social/Behavioral (3) \_\_\_\_\_

3D Historical Perspectives (3) \_\_\_\_\_

3E Global & Cultural Awareness (3) \_\_\_\_\_

### Category 4: Depth and Integration

LIFE320 \_\_\_\_\_ **and** BZ350 \_\_\_\_\_

**The following is a list of Zoology classes that will fulfill the Upper Division requirements**

BSPM302 (2)	Applied and Gen Entomology	BZ/BSPM/MIP 462 (5)	Parasitology & Vector Biology
BSPM302A (2)	Applied and Gen Entomology Lab	BZ466 (4)	Biological Basis of Animal Behavior
BMS360 (4)	Fundamentals of Physiology	BZ471 (3)	Stream Biology & Ecology
BZ300 (3)	Animal Behavior	BZ472 (1)	Stream Biology & Ecology Lab
BZ301 (2)	Animal Behavior Lab (not offered)	BZ474 (3)	Limnology
BZ311 (4)	Developmental Biology	BZ476 (3)	Topics in Advanced Genetics
BZ329 (3)	Herpetology	BZ479 (3)	Biology and Behavior of Dogs (Continuing Ed)
BZ330 (3)	Mammalogy	*BZ487	Internship
BZ335 (3)	Ornithology	BZ492A-FV	Seminar (excluding any plant seminars)
BZ346 (3)	Population & Evolutionary Genetics	*BZ495V	Independent Study
BZ/MATH348 (4)	Theory of Pop.& Evol. Ecology	*BZ498V	Lab/Field Research
BZ349 (3)	Tropical Ecology & Evolution	BZ510 (3)	Zoophysiological Ecology
BZ/NR353 (3)	Global Change Ecology	BZ535 (3)	Behavioral Ecology
*BZ384V	Supervised College Teaching	BZ/MIP577 (2)	Computer Analysis of Population Genetics
BZ401 (3)	Comparative Animal Physiology	BZ/MIP578 (4)	Genetics of Natural Populations
BZ402 (4)	Chromosomes of Eukaryotes	*BZ584V	Supervised College Teaching
BZ403 (3)	Comparative Endocrinology	*BZ587	Internship
BZ415 (3)	Marine Biology	*BZ594V	Independent Study
BZ/BSPM/MIP424 (3)	Principles of Systematic Zoology	GEOL342 (3)	Paleontology
BZ425 (3)	Molecular Ecology	FW300 (2)	Ichthyology
BZ430 (4)	Animal Behavior & Conservation	FW301 (1)	Ichthyology Lab
BZ433 (3)	Behavioral Genetics	FW400 (3)	Fish Ecology
BZ455 (3)	Human Heredity and Birth Defects	FW405 (3)	Fish Physiology

\*With the approval of the Biology Curriculum Committee, a maximum of 3 credits from these classes may be applied toward the 15 credits of Upper Division Zoology courses

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**TRACK 1 HONORS PROGRAM STUDENTS ARE REQUIRED TO TAKE THE FOLLOWING COURSES TO FULFILL THE AUCC CURRICULUM**

**Category 1: Basic Competencies**

HONR192 First Year Seminar (4) \_\_\_\_\_

HONR193 Seminar (3) \_\_\_\_\_

**Category 2: Additional Communication**

Advanced Writing (3) \_\_\_\_\_

**Category 3B: Arts/Humanities**

HONR292 Seminar (3) \_\_\_\_\_ (For students entering Fall 2015 and later)

**OR**

Additional Arts/Humanities (3) \_\_\_\_\_ (For students entering before Fall 2015)

HONR392 Seminar (3) \_\_\_\_\_

**Category 3C: Social/Behavioral**

HONR492 Senior Seminar (3) \_\_\_\_\_

**Category 3D: Historical Perspectives and 3E: Global & Cultural Awareness**

HONR399 Pre-Thesis (1) \_\_\_\_\_

HONR499 Thesis (3) \_\_\_\_\_

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