

ZOOLOGY  
FALL 2003/2

Transfer Credits: \_\_\_\_\_  
Entering Major Semester: \_\_\_\_\_

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

**GRADUATION REQUIREMENTS**

1. Complete the All University Core Curriculum (AUCC)  
See General Catalog.
2. Complete the Core Requirements.
3. Complete a **minimum of 120 total credits**.
4. **Minimum of 42 upper division credits** (300 level or above.)
5. Minimum of **2.0 CUMULATIVE GPA**
6. Complete the Department's Outcome Assessment Report.

**INDEPENDENT STUDY**

**Courses considered Independent Study:**

Internship: BZ487 & BZ587V, Seminar: BZ492, Independent Study:  
BZ495V & BZ594V. Field Research: BZ498V  
Supervised College Teaching: BZ384V, BY384V, BZ584V

**Requirements for participation in Independent Study:**

- Cumulative GPA: 2.5 GPA in major: 3.0
- Junior standing or higher.
- For more than 3 credits, per term, student must have approval from Curriculum Committee.
- Only **3 credits** will be allowed to satisfy 15 credits of upper division required in Zoology.

To be qualified for graduation, students in the Zoology major must have a minimum grade of C- in each of the **Core and Physical Sciences** courses. This also applies to courses taken as substitutions for meeting these requirements.

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**CORE REQUIREMENTS**

LSCC102 Attributes of Living Systems (4) \_\_\_\_\_

LS103 Biology of Organisms (4) \_\_\_\_\_

**-OR-**

BZCC110 Principles of Animal Bio (3) \_\_\_\_\_

BZCC111 Principles of Animal Lab (1) \_\_\_\_\_

BZCC120 Principles of Plant Biology (4) \_\_\_\_\_

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

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

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

BY310 Cell Biology (4) \_\_\_\_\_

BY320 Ecology (3) \_\_\_\_\_

**GENETICS:**

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

In addition to the above, select a **minimum** of **15** credits of upper division courses listed on back of check sheet.

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**PHYSICAL SCIENCES**

**CHEMISTRY**

CCC111(4) \_\_\_\_\_ CCC112(1) \_\_\_\_\_ C113(3) \_\_\_\_\_ C114(1) \_\_\_\_\_

**ORGANIC CHEMISTRY**

C245 (4) \_\_\_\_\_ C246 (1) \_\_\_\_\_

**-OR-**

C341 (3) \_\_\_\_\_ C343 (3) \_\_\_\_\_ C344 (2) \_\_\_\_\_

**-OR-**

C345 (4) \_\_\_\_\_ C346 (4) \_\_\_\_\_

Honors

C340 (4) \_\_\_\_\_ C342 (4) \_\_\_\_\_

**BIOCHEMISTRY**

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

**-OR-**

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

**PHYSICS**

PHCC121 (5) \_\_\_\_\_ PHCC122 (5) \_\_\_\_\_

**-OR-**

PHCC141 (5) \_\_\_\_\_ PHCC142 (5) \_\_\_\_\_

**ALL UNIVERSITY CORE CURRICULUM (AUCC)**

**Category 1**

1.A. Written Communication (3 credits)  
COCC 150 \_\_\_\_\_

1. B. Mathematics (3 credits)

MCC155 (4) \_\_\_\_\_ **-OR-** MCC160 (4) \_\_\_\_\_

**Category 2**

2.A. Additional Communication (3 credits) \_\_\_\_\_

2. B. Quantitative and/or Logical Thinking:

STCC301 (3) \_\_\_\_\_ **OR** STCC307 (3) \_\_\_\_\_

**OR** EHCC307 (3) \_\_\_\_\_

**Category 3**

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

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

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

3.E. Global & Cultural Awareness \_\_\_\_\_

3.F. \*U.S. Public Values & Inst. (3) \_\_\_\_\_

3.G. Health & Wellness (2) \_\_\_\_\_

**Category 4: Depth and Integration (5 crs. Minimum)**

BY320 (3) \_\_\_\_\_ **and** BZ350 (4) \_\_\_\_\_

*\*Note: For Category 3C, 3D & 3F – a minimum of 6 credits is to be taken in these 3Ccategories. There are courses listed in 3F that can also fulfill Category 3C or 3D. Student will then need to take a course for the Category **not** fulfilled by 3F.*

**UPPER DIVISION COURSES**

Of the **120 credits** required for graduation, a **minimum of 42 credits** must be earned at the 300 level or above.

**List total credits by semester, or  
total transfer credits - do not list by course**


The following is a list of zoology classes that will fulfill the upper division requirements.

BI/EN302	Applied and Gen Entomology	*BZ487	Internship
BI/EN303A	Applied and Gen Entomology Lab	BZ492A-EV	Seminar
BY311	Developmental Biology	*BZ495V	Independent Study
BZ300	Animal Behavior	*BZ498V	Lab/Field Research BZ507
BZ301	Animal Behavior Lab	BZ510	Zoophysiological Ecology
BZ/PS310	Fundamentals of Physiology	BZ535	Behavioral Ecology
BZ315	Marine Ecology	BZ536	Cellular Basis of Behavior
BZ329	Herpetology	BZ544	Presenting Research in Biology
BZ330	Mammalogy	BZ561	Landscape Ecology
BZ335	Ornithology	BZ/BI/MB/EN562	Field Ecology of Disease Vectors
BZ346	Population & Evolutionary Genetics	BZ/MB578	Genetics of Natural Populations
*BZ384V	Supervised College Teaching	BZ/MB579	Lab in Population Genetics
BZ401	Comparative Animal Physiology	*BZ584V	Supervised College Teaching
BZ402	Chromosomes of Eukaryotes	*BZ587V	Internship
BZ403	Comparative Endocrinology	*BZ594V	Independent Study
BZ405	Fish Physiology	G/ER342	Paleontology
BZ/BI/EN424	Principles of Systematic Zoology	FW300	Ichthyology
BZ433	Behavioral Genetics	FW301	Ichthyology Lab
BZ455	Human Heredity and Birth Defects	FW400	Fish Ecology
BZ/BI/MB/EN462	Parasitology & Victor Biology		
BZ471	Stream Biology & Ecology		
BZ472	Stream Biology & Ecology Lab		
BZ474	Limnology		
BZ475	Advanced Ecology		
BZ476	Topics in Advanced Genetics		

**\* Only 3 credits total will be allowed to fulfill the 15 credits of upper division zoology.**

**HONORS PROGRAM STUDENTS FULFILL THE FOLLOWING REQUIREMENTS FOR  
THE HONORS PROGRAM INSTEAD OF THE AUCC CORE**

Mathematics/Calculus:

MCC 155 (4) \_\_\_\_\_ **OR** MCC160 \_\_\_\_\_

Quantitative and/or Logical Thinking:

STCC301 (3) \_\_\_\_ OR STCC307 (3) \_\_\_\_ OR EHCC307 (3) \_\_\_\_

Health & Wellness (2) \_\_\_\_\_

HPCC192 (4) \_\_\_\_ HPCC193 (3) \_\_\_\_ HPCC392 (3) \_\_\_\_ HP399 (1) \_\_\_\_ HP492 (3) \_\_\_\_ HP499 (3) \_\_\_\_