

ZOOLOGY  
FALL 2004

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.

**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-**

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

**-OR-**

**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) \_\_\_\_\_
- 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 3Categories. 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                         |
| BI/MB562       | Field Ecology of Disease Vectors   | *BZ495V   | Independent Study               |
| BY311          | Developmental Biology              | *BZ498V   | Lab/Field Research BZ507        |
| BZ300          | Animal Behavior                    | BZ510     | Zoophysiological Ecology        |
| BZ301          | Animal Behavior Lab                | BZ535     | Behavioral Ecology              |
| BZ/PS310       | Fundamentals of Physiology         | BZ544     | Presenting Research in Biology  |
| BZ315          | Marine Ecology                     | BZ561     | Landscape Ecology               |
| BZ329          | Herpetology                        | BZ/MB578  | Genetics of Natural Populations |
| BZ330          | Mammalogy                          | BZ/MB579  | Lab in Population Genetics      |
| BZ335          | Ornithology                        | G/ER342   | Paleontology                    |
| BZ346          | Population & Evolutionary Genetics | FW300     | Ichthyology                     |
| BZ401          | Comparative Animal Physiology      | FW301     | Ichthyology Lab                 |
| BZ402          | Chromosomes of Eukaryotes          | FW400     | Fish Ecology                    |
| BZ403          | Comparative Endocrinology          |           |                                 |
| BZ/BI/EN424    | Principles of Systematic Zoology   |           |                                 |
| BZ433          | Behavioral Genetics                |           |                                 |
| BZ455          | Human Heredity and Birth Defects   |           |                                 |
| BZ/BI/MB/EN462 | Parasitology & Victor Biology      |           |                                 |
| BZ471          | Stream Biology & Ecology           |           |                                 |
| BZ472          | Stream Biology & Ecology Lab       |           |                                 |
| BZ474          | Limnology                          |           |                                 |
| BZ476          | Topics in Advanced Genetics        |           |                                 |

**\*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.**

**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) \_\_\_\_\_