

ZOOLOGY
FALL 2002/1

Transfer Credits: _____
Entering Major Semester: _____

NAME: _____

GRADUATION REQUIREMENTS

1. Complete the University Studies Program -- 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 GPA. **Note: a C- average does not meet this requirement.**
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

LS102 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)

English Comp: COCC150 (3) _____

Communications (3) Category 2B _____

Mathematics: *Category 2C*

MCC155 (4) _____ **-OR-** MCC160 (4) _____

Quantitative and/or Logical Thinking:

STCC301 (3) _____ **-OR-** STCC307 (3) _____

OR EHCC307 (3) _____

Arts/Humanities (3) *Category 3B* _____

*Social/Behavioral (3) *Category 3C* _____

*Historical Perspectives (3) *Category 3D* _____

Global & Cultural Awareness (3) *Category 3E* _____

*U.S. Public Values & Inst. (3) *Category 3F* _____

Health & Wellness (2) *Category 3G* _____

Depth & Integration (7) Category IV

BY320 _____ BZ350 _____

**Note: For category 3C, 3D & 3F – a minimum of 6 credits is to be taken in these 3 categories. 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***

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

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|----------------|------------------------------------|----------------|----------------------------------|
| BI/EN302 | Applied and Gen Entomology | BZ505 | Ecology of Parasitism |
| BI/EN303A | Applied and Gen Entomology Lab | BZ507 | Parasitic Protozoa |
| BY311 | Developmental Biology | BZ510 | Zoophysiological Ecology |
| BZ300 | Animal Behavior | BZ535 | Behavioral Ecology |
| BZ301 | Animal Behavior Lab | BZ536 | Cellular Basis of Behavior |
| BZ/PS310 | Fundamentals of Physiology | BZ544 | Presenting Research in Biology |
| BZ315 | Marine Ecology | BZ560 | Ethological Methods |
| BZ329 | Herpetology | BZ561 | Landscape Ecology |
| BZ330 | Mammalogy | BZ/BI/MB/EN562 | Field Ecology of Disease Vectors |
| BZ335 | Ornithology | BZ576 | Biophysical Ecology |
| 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 |
| BZ425 | History of Biology | FW301 | Ichthyology Lab |
| BZ433 | Behavioral Genetics | FW400 | Fish Ecology |
| BZ455 | Human Heredity and Birth Defects | VS320 | Birds of Prey |
| BZ/BI/MB/EN462 | Parasitology & Vector Biology | | |
| BZ470 | Freshwater Biology | | |
| BZ471 | Stream Biology & Ecology | | |
| BZ472 | Stream Biology & Ecology Lab | | |
| BZ474 | Limnology | | |
| BZ475 | Advanced Ecology | | |
| BZ476 | Topics in Advanced Genetics | | |
| BZ477 | Field Biology | | |
| BZ478 | Evolution | | |
| *BZ487 | Internship | | |
| BZ492A-EV | Seminar | | |
| *BZ495V | Independent Study | | |
| *BZ498V | Lab/Field Research | | |

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