

ZOOLOGY

FA99 – USP or ASCC

NAME: _____

Entering Major Semester: _____

GRADUATION REQUIREMENTS

1. Completion of the University Studies Program -- See General Catalog.
2. Completion of the Core Requirements.
3. Completion of a **minimum of 120 total credits**.
4. **Minimum of 42 upper division credits** (300, 400 and 500 level) of which **30** of those credits must be taken at Colorado State Univ.
5. Minimum of 2.0 GPA. **Note: a C- does not meet this requirement.**
6. Completion of the Department's Outcome Assessment Report.

New	_____
Transfer	_____
Readmit	_____

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 semester, student must have approval of Curriculum Committee.
- Only **3 credits** will be allowed to satisfy degree in the major.

CORE REQUIREMENTS

The following grade rule is only for new freshman from fall 1998 forward. It does not apply to on-going, transfer or readmit students. 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-

BZ110 Principles of Animal Biology (3) _____
BZ111 Principles of Animal Lab (1) _____
BZ120 Principles of Plant Biology (4) _____

BZ212 Animal Bio.: Invertebrates (4) _____
BZ214 Animal Bio.: Vertebrates (4) _____

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

_____ () _____ () _____ ()
_____ () _____ () _____ ()

PHYSICAL SCIENCES

CHEMISTRY

C111 (4) _____ C112 (1) _____ C113 (3) _____ C114(1) _____

ORGANIC CHEMISTRY

C245 (4) _____ C246 (1) _____

-OR-

C341 (3) _____ C343 (3) _____ C344 (2) _____

BIOCHEMISTRY

BC351 (4) _____

-OR-

BC401 (3) _____ BC403 (3) _____

PHYSICS

PH121 (5) _____ PH122 (5) _____

-OR-

PH141 (5) _____ PH142 (5) _____

UNIVERSITY STUDIES PROGRAM AND ARTS AND SCIENCES CORE CURRICULUM (ASCC) REQUIREMENTS

Freshmen entering Zoology in Fall 1998 are responsible for completing the ASCC requirements.

I. SKILLS: 12-15 Credits Required

- A. English Comp: CO150 _____ (3)
- B. Mathematics:
M155 (4) _____ **OR** M160 (4) _____
- C. Quantitative and/or Logical Thinking:
ST301 (3) _____ **OR** ST307 (3) _____ **OR**
EH307 (3) _____
- D. Communication:
CO301A-C (3), JT200 (3), JT300 (3),
L107(C,I,J,R) or above (5), L200(F,G,S) or above,
(3-5), SP200 (3) _____ ()

II. FOUNDATIONS AND PERSPECTIVES 24-26 Credits Required

- A. Natural Sciences: This requirement is fulfilled by chemistry and Physics
- B. The Arts: (3 crs.) Select one course:
AR100, D110, MU100, TH141 _____ ()
- C. Humanities: (3 crs.) Select one course:
AU201, E140, E232, E242, E270, L250, PL100, PL105,
SP100 _____ ()
- D. History: (3 crs.) Select one course:
HY101, HY151, HY171 _____ ()
- E. Social Sciences: (3 crs.) Select one course:
AP100, AP140, EA102, EC100, EC102, JT100, PO241,
PY100, S100, S105 _____ ()
- F. Diversities: (3 crs.) Select one course:
AP200, EC211, ET200, LB170, LB171, MU231, PL106,
PL171, PL172, PL251, S205, SP105, WS200 _____ ()
- G. Integrative Learning:
LS102 and BY103 **OR** BZ110/111 and BZ120
_____ () _____ ()

Physical Education/Wellness: (2 credits). Select from the USP List (see Course Schedule).

_____ () _____ ()

Cross-Cultural Awareness - Fulfilled by History Course.

_____ ()

UPPER DIVISION COURSES

Of the 120 credits required for graduation, a minimum of 42 credits must be earned at the 300, 400, & 500 level of which 30 of those credits must be taken at Colorado State University.

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

I:/Checksheets/old zoology Fall 99

Revised 03/04/03

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

BI/EN302	Applied & Gen Entomology	BZ505	Ecology of Parasitism
BI/EN303A	Applied & Gen Entomology Lab	BZ507	Parasitic Protozoa
BY310	Cell Biology	BZ510	Zoophysiological Ecology
BY311	Developmental Biology	BZ535	Behavioral Ecology
BY320	Ecology	BZ536	Cellular Basis of Behavior
BZ300	Animal Behavior	BZ544	Presenting Research in Biology
BZ301	Animal Behavior Lab	BZ560	Ethological Methods
BZ/PS310	Fundamentals of Physiology	BZ561	Landscape Ecology
BZ315	Marine Ecology	BZ/MB/EN562	Field Ecology of Disease Vectors
BZ329	Herpetology	BZ576	Biophysical Ecology
BZ330	Mammalogy	BZ/MB578	Genetics of Natural Populations
BZ335	Ornithology	BZ/MB579	Lab in Population Genetics
BZ346	Population & Evolutionary Genetics	*BZ584V	Supervised College Teaching
BZ350	Molecular & General Genetics	*BZ587V	Internship
*BZ384V	Supervised College Teaching	*BZ594V	Independent Study
BZ401	Comparative Animal Physiology	G/ER342	Paleontology
BZ402	Chromosomes of Eukaryotes	FW300	Ichthyology
BZ403	Comparative Endocrinology	FW400	Fish Ecology
BZ405	Fish Physiology	VS320	Birds of Prey
BZ/BI/EN424	Principles of Systematic Zoology		
BZ/BI/EN462	Parasitology & Vector Bio		
BZ425	History of Biology		
BZ433	Behavioral Genetics		
BZ455	Human Heredity & Birth Defects		
BZ/MB/EN462	Parasitology & Victor 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		
BZ492A-EV	Seminar		
*BZ495V	Independent Study		
*BZ498V	Lab/Field Research		

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

