

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.

ZOOLOGY 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 _____

1C Diversity, Equity, and Inclusion (3 credits) _____

Category 2

2 Additional Communication (3 credits)

Advanced Writing _____

Category 3

3B Arts/Humanities (6) _____

3C Social/Behavioral (3) _____

3D Historical Perspectives (3) _____

Category 4: Depth and Integration

LIFE320 _____ and BZ350 _____

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

*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.

BSPM302 (2)	Applied and Gen Entomology	BZ492A-G	Seminar (excluding plant seminars)
BSPM303A (2)	Applied and Gen Entomology Lab	BZ496 (1)	Group Study for Field Marine Biology
BZ300 (3)	Animal Behavior	BZ505 (3)	Cognitive Ecology
BZ311 (4)	Developmental Biology	BZ510 (3)	Zoophysiological Ecology
BZ329 (3)	Herpetology	BZ515 (3)	Physiological Ecology of Marine Vertebrates
BZ330 (3)	Mammalogy	BZ535 (3)	Behavioral Ecology
BZ335 (3)	Ornithology	BZ/MIP577 (2)	Computer Analysis in Population Genetics
BZ340 (4)	Field Mammalogy	BZ/MIP578 (4)	Genetics of Natural Populations
BZ/MATH348 (4)	Theory of Pop. & Evol. Ecology	GEOL342 (3)	Paleontology
BZ349 (3)	Tropical Ecology & Evolution	FW300 (2)	Biology & Diversity of Fishes
BZ360 (3)	Bioinformatics and Genomics	FW301 (1)	Ichthyology Lab
BZ401 (3)	Comparative Animal Physiology	FW400 (3)	Conservation of Fish in Aquatic Ecosystems
BZ415 (4)	Marine Biology	FW405 (3)	Fish Physiology
BZ418 (4)	Ecology of Infectious Disease	*BZ 384	Supervised College Teaching
BZ420 (3)	Evolutionary Medicine	*BZ 487	Internship
BZ/BSPM/MIP424 (3)	Principles of Systematic Zoology	*BZ 495	Independent Study
BZ425 (3)	Molecular Ecology	*BZ 498	Lab/Field Research
BZ430 (3)	Animal Behavior & Conservation		
BZ433 (4)	Behavioral Genetics		
BZ449A (4)	Study Abroad: Ecology/Conservation-Ecuadorian Biodiversity		
BZ455 (3)	Human Heredity and Birth Defects		
BZ460 (4)	Genome Evolution		
BZ/BSPM/MIP462 (5)	Parasitology & Vector Biology		
BZ466 (4)	Biological Basis of Animal Behavior		
BZ471 (3)	Stream Biology & Ecology		
BZ472 (1)	Stream Biology & Ecology Lab		
BZ474 (3)	Limnology		
BZ476 (3)	Genetics of Model Organisms		
BZ479 (3)	Biology and Behavior of Dogs (Online)		

Up to 6 credits may be used from the following courses:

BMS 300 (4)	Principles of Human Physiology
OR	
BMS 360 (4)	Fundamentals of Physiology
BMS 305 (4)	Domestic Animal Gross Anatomy
MIP 300 (3)	General Microbiology
MIP 302 (2)	General Microbiology Lab
MIP 315 (3)	Human and Animal Disease
MIP 342 (4)	Immunology
MIP 343 (2)	Immunology Lab

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) _____