ZOOLOGY MAJOR

NAME: __________________________________

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFE102 Attributes of Living Systems</td>
<td>4</td>
</tr>
<tr>
<td>LIFE103 Biology of Organisms</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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<tr>
<td>BZ110 Principles of Animal Bio</td>
<td>3</td>
</tr>
<tr>
<td>BZ111 Principles of Animal Lab</td>
<td>1</td>
</tr>
<tr>
<td>BZ120 Principles of Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>BZ212 Animal Bio: Invertebrates</td>
<td>4</td>
</tr>
<tr>
<td>BZ214 Animal Bio: Vertebrates</td>
<td>4</td>
</tr>
<tr>
<td>BZ220 Introduction to Evolution</td>
<td>3</td>
</tr>
<tr>
<td>LIFE320 Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BZ310 Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BZ350 Molecular &amp; General Genetics</td>
<td>4</td>
</tr>
</tbody>
</table>

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) _______
- 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
- BSPM303A (2) Applied and Gen Entomology Lab
- BZ300 (3)  Animal Behavior
- BZ311 (4)  Developmental Biology
- BZ329 (3)  Herpetology
- BZ330 (3)  Mammalogy
- BZ335 (3)  Ornithology
- BZ340 (4)  Field Mammalogy
- BZ/MATH348 (4) Theory of Pop. & Evol. Ecology
- BZ349 (3)  Tropical Ecology & Evolution
- BZ360 (3)  Bioinformatics and Genomics
- BZ401 (3)  Comparative Animal Physiology
- BZ415 (4)  Marine Biology
- BZ418 (4)  Ecology of Infectious Disease
- BZ420 (3)  Evolutionary Medicine
- BZ/BSPM/MIP424 (3) Principles of Systematic Zoology
- BZ425 (5)  Molecular Ecology
- BZ430 (3)  Animal Behavior & Conservation
- BZ433 (4)  Behavioral Genetics
- BZ492A-G Seminar (excluding plant seminars)
- BZ496 (1)  Group Study for Field Marine Biology
- BZ505 (3)  Cognitive Ecology
- BZ510 (3)  Zoophysiological Ecology
- BZ515 (3)  Physiological Ecology of Marine Vertebrates
- BZ535 (3)  Behavioral Ecology
- BZ/MIP577 (2) Computer Analysis in Population Genetics
- BZ/MIP578 (4) Genetics of Natural Populations
- GEOL342 (3)  Paleontology
- FW300 (2)  Biology & Diversity of Fishes
- FW301 (1)  Ichthyology Lab
- FW400 (3)  Conservation of Fish in Aquatic Ecosystems
- FW405 (3)  Fish Physiology
- 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) ________________________________________________