**Individualized Curriculum in Zoology: B.S. Environmental Biology** (Revisions for 2017-2018)

Student Name: _______________________________________ Email: _________________________

Faculty Advisor: _______________________________________ Matriculation Date: ________________

**University Core Curriculum Courses** (see Undergraduate Catalog for list of course options) [39]

**Foundation Skills**

<table>
<thead>
<tr>
<th>University College [1]</th>
<th>□ UCOL 101 Foundations of Inquiry</th>
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<td><strong>Composition [6]</strong></td>
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<td><strong>Mathematics [3]</strong></td>
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<td>□ MATH 108 or 111</td>
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<td><strong>Speech Communication [3]</strong></td>
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**Disciplinary Studies**

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<tr>
<td>Group II</td>
<td>□ BIOL 211</td>
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<th>Human Health [2]</th>
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<th>Humanities [6]</th>
<th>Integrative Studies</th>
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<td>Multicultural [3]</td>
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**College of Science Requirements** [7-9 (+3)]

- **Biological Sciences**: completed with the Zoology major
- **Mathematics**: choose one of the following options [1-3 (+3)]
  - □ MATH 108 College Algebra and MATH 109 Trigonometry & Analytical Geometry [3 (+3)]
  - □ MATH 111 Precalculus [1 (+3)]
- **Physical Sciences**: completed with the Zoology major
- **Supportive Skills** [6]
  - □ Technical Writing
    - ENGL 290 Intermediate Analytical Writing or 291 Intermediate Technical Writing or 391 Precision in Reading and Writing or JRNL 310 Writing for the Mass Media
  - □ Statistics
    - MATH 282 Intro Statistics or QUAN 402 Basic Statistics or ZOOL 360 Intro Biostats
**Requirements for the Zoology Major (B.S., Environmental Biology Specialization):** 70-71

**Biology Core** [18 (+3)]
- BIOL 211 Introductory Cell Biology and Genetics [1(+3)]
- BIOL 212 Introductory Evolution and Ecology [4]
- BIOL 213 Introductory Organismal Biology [4]
- BIOL 305 Principles of Genetics [3]
- BIOL 409 Developmental Biology [3]

**Chemistry** [12 (+3)]
- CHEM 210, 212 General & Inorganic Chem. [4] *and* CHEM 211 General Chemistry Lab II [1]

**Mathematics:** □ MATH 139 Finite Math *or* MATH 141 Short Course Calculus Biological Sciences [3-4]

**Zoology Core** [19] (*italics* = not regularly offered)
- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 432 Principles of Toxicology [3] *or* ZOOL 433 Comparative Physiology
- ZOOL 410 Conservation Biology [3]
- ZOOL 411 Environmental Risk Assessment [3]
- ZOOL 433 Comparative Physiology *or* ZOOL 434 Environmental Physiology [3]
- ZOOL 482 Senior Seminar [1]

**Environmental Science Electives:** choose at least six hours from the following [6]
- CHEM 350 *and* 351 Biochemistry & lab [5]
- FOR 429 Watershed Mgmt. Field Lab [2]
- GEOG 310 Digital Earth: Geospatial Tech. [3]
- GEOG 401 Introduction to GIS [3]
- GEOG 404 Spatial Analysis [3]
- GEOG 422 Economics Environ. Mgmt. [3]
- GEOG 424 Sustainable Development [3]
- GEOG 425 Integrated Water Management [3]
- GEOG 426 US Environmental Policy [3]
- GEOG 430 Environmental Systems Anal. [3]
- GEOG 434 Water Resources Hydrology [3]
- GEOG 439 Global Climate Change [3]
- GEOG 471 Environmental Impact Analysis [3]
- MICR 301 Principles of Microbiology [4]
- PHSL 310 Principles of Physiology [5]
- PLB 440 Grassland Ecology [3]
- PLB 444 Quantitative Plant Ecology [4]
- PLB 490 Energy, Food Webs, Ecosystems [3]
- ZOOL 351 Ecological Methods [3]
- ZOOL 443 Restoration Ecology [3]
- ZOOL 444 Ecological Analysis Communities [3]
- ZOOL 445 Wetland Ecology & Mgmt. [3]
- ZOOL 458 Multiple Stressors in Ecology [3]
- ZOOL 490 Energy, Food Webs, Ecosystems [3]
- ZOOL 491, 492, 493 [max 3]

**Zoology Electives:** choose at least 12 hours from the following; no duplications [12]
- BIOL 304 Evolution [3]
- ZOOL 351 Ecological Methods [3]
- ZOOL 415 Limnology [3]
- ZOOL 426 Comparative Endocrinology [3]
- ZOOL 433 Comparative Physiology [3]
- ZOOL 434 Environmental Physiology [3]
- ZOOL 435 Plant-Insect Interactions [3]
- ZOOL 443 Restoration Ecology [3]
- ZOOL 444 Ecological Analysis Communities [3]
- ZOOL 445 Wetland Ecology & Mgmt. [3]
- ZOOL 458 Multiple Stressors in Ecology [3]
- ZOOL 490 Energy, Food Webs, Ecosystems [3]
- ZOOL 491, 492, 493 [max 3]

**Free Electives** [1-4]
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