Individualized Curriculum in Zoology: **B.S. Environmental Biology (AY 2015-2016)**

Student Name: ___________________________________________ Email: ________________________________

Faculty Advisor: _________________________________________ Matriculation Date: _______________________

**University Core Curriculum Courses** (see Undergraduate Catalog for list of course options) [41]

**Foundation Skills**
University College [3] □ UCOL 101 Foundations of Inquiry

□ MATH 108 or 111
□ ____________________________  Speech Communication [3]
□ ____________________________  □ SPCM 101

**Disciplinary Studies**
Science [6]
Group I □ CHEM 200 and 201  Group II □ BIOL 200A

Fine Arts [3]
□ ____________________________  Social Science [6]

Human Health [2]  □ ____________________________
□ ____________________________  □ ____________________________

Humanities [6]  **Integrative Studies**
□ ____________________________  Multicultural [3]
□ ____________________________  □ ____________________________

**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): 69-70

**Biology Core** [14 (+3)]
- BIOL 200A Introductory Cell Biology, Genetics, and Evolution [1 (+3)]
- 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]
- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 432 Principles of Toxicology [3]
- ZOOL 410 Conservation Biology [3]
- ZOOL 411 Environmental Risk Assessment [3]
- ZOOL 482 Senior Seminar [1]
- ZOOL 433 Comparative Physiology or ZOOL 434 Environmental Physiology [3]

**Environmental Science Electives:** choose at least nine hours from the following [9]
- CHEM 350 and 351 Biochemistry & lab [5]
- FOR 429 Watershed Mgmt. Field Lab [2]
- GEOG 310i Digital Earth: Geospatial Tech. [3]
- GEOG 320 Intro Environmental Mgmt. [3]
- GEOG 330 Meteorology [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]

**Zoology Electives:** choose at least twelve 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]

**Free Electives** [0-3]
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