Individualized Curriculum in Zoology: **B.A. Degree** (AY 2015-2016)

Student Name: __________________________________________ Email: __________________________

Faculty Advisor: ________________________________________ Matriculation Date: ____________

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

**Foundation Skills**

University College (3 hours)
- □ UCOL 101 Foundations of Inquiry

Composition (6 hours)
- □ ______________________

Mathematics (3 hours)
- □ MATH 108

Speech Communication (3 hours)
- □ SPCM 101

**Disciplinary Studies**

Fine Arts (3 hours)
- □ ______________________

Science (6 hours)
- □ ______________________

Group I
- □ CHEM 200, 201

Group II
- □ BIOL 200A

Human Health (2 hours)
- □ ______________________

Humanities (6 hours)
- □ ______________________

Social Science (6 hours)
- □ ______________________

**Integrative Studies: Multicultural (3 hours)**
- □ ______________________

**College of Science Requirements** [7-10(+3)]

**Biological Sciences:** completed with the Zoology major

**Mathematics:** choose one of the following options
- □ MATH 108 College Algebra and 109 Trigonometry & Analytical Geometry, or MATH 111 Precalculus, or MATH 141 Short Course in Calculus for Biological Sciences [1-3(+3)]

**Physical Sciences:** completed with the Zoology major

**Supportive Skills:** choose 6 hours from the following options [6]
- □ MATH 282 or QUAN 402 or ZOOL 360 [3]
- □ CS 105 or 200B [3]
- □ ENGL 290 or 291 or 391 [3]
- □ Two semesters of Chinese, French, Latin, German, Greek, Japanese, Russian, or Spanish

**Requirements for the Zoology Major (B.A.):** 50-52

**Biology Core** [14]
- □ BIOL 200A Cell and Molecular Biology, Genetics and Evolution [1(+3)]
- □ BIOL 200B Organismal and Ecological Biology [4]
- □ BIOL 304 Evolution [3]
- □ BIOL 305 Principles of Genetics [3]
Chemistry [2(+3)]
- CHEM 200, 202 Intro. to Chemical Principles and CHEM 201 General Chemistry Lab I

Physical Science: choose one of the following options [4-5]
- CHEM 210, 212 General and Inorganic Chemistry and CHEM 211 General Chemistry Lab II [5]
- GEOL 220 The Dynamic Earth and GEOL 223 Introductory Geology Laboratory [4]
- GEOL 221 Earth Through Time and GEOL 224 Earth Through Time Laboratory [4]

Quantitative Skills: choose one of the following options (not same as COS Supportive Skills) [3-4]
- CS 201 Problem Solving with Computers or CS 202 Introduction to Computer Science [3]
- MATH 141 Short Course in Calculus for Biological Sciences [4]
- MATH 282 Intro. to Statistics or QUAN 402 Basic Statistics or PLB 360 Intro. Biostatistics [3]

Zoology Core [7]
- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]

Zoology Electives: choose at least 20 hours from the following [20]
- BIOL 306 Cell Biology [3]
- BIOL 409 Developmental Biology [3]
- BIOL 415 History of Biology [3]
- ZOOL 306 Fish Biology [3]
- ZOOL 351 Ecological Methods [3]
- ZOOL 385 Introduction to Marine Biology [3]
- ZOOL 405 Systematic Zoology [3]
- ZOOL 407 Parasitology [4]
- ZOOL 408 Herpetology [3]
- ZOOL 409 Vertebrate Histology
- ZOOL 410 Conservation Biology [3]
- ZOOL 411 Environ. Risk Assessment [3]
- ZOOL 413 The Invertebrates [4]
- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 415 Limnology [3]
- ZOOL 417 Vertebrate Zoology [3]
- ZOOL 418 Vertebrate Anatomy Lab [3]
- ZOOL 426 Comparative Endocrinology [3]
- ZOOL 432 Principles of Toxicology [3]
- ZOOL 433 Comparative Physiology [3]
- ZOOL 434 Environmental Physiology [3]
- ZOOL 435 Plant-Insect Interaction [3]

Free Electives (17-22 hours)