Individualized Curriculum in Zoology: B.S., Pre-Veterinary Science Specialization (AY 2015-2016)

Student Name: _______________________________ Email: ___________________________

Faculty Advisor: _____________________________ Matriculation Date: ________________

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

University College [3]
- □ UCOL 101 Foundations of Inquiry

Composition [6]
- □ __________________________

Mathematics [3]
- □ 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**
- □ __________________________

- □ __________________________

**College of Science Requirements**: 7-9 (+3) hours

**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 [3]
  - 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 [3]
  - MATH 282 Intro. to Statistics or QUAN 402 Basic Statistics or ZOOL 360 Intro. Biostats
Requirements for the Zoology Major (B.S., Pre-Veterinary Science Specialization): 67-68 hours

**Biology Core** [14 (+3)]
- BIOL 200A Cell and Molecular Biology, Genetics and Evolution [1 (+3)]
- BIOL 200B Organismal and Ecological Biology [4]
- BIOL 305 Principles of Genetics [3]
- BIOL 306 Cell Biology [3]
- BIOL 409 Developmental Biology [3]

**Chemistry** [17 (+3)]
- CHEM 340 Organic Chemistry I [3]
- CHEM 350 Intro. to Biological Chemistry [3]
- CHEM 201 General Chemistry Lab I [1]
- CHEM 211 General Chemistry Lab II [1]
- CHEM 351 Biochemistry Laboratory [2]

**Quantitative Skills**: choose one of the following [3-4]
- CS 201 Problem Solving with Computers [3]
- MATH 139 Finite Math [3]
- MATH 141 Calculus for Biosciences [4]

**Physics** [8]
- PHYS 203A College Physics [3]
- PHYS 203B College Physics [3]
- PHYS 253A College Physics Lab [1]
- PHYS 253B College Physics Lab [1]

**Zoology Core** [7]
- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 482 Senior Seminar [1]

**Zoology Electives**: choose 12 hours from the following (no duplications) [12]
- ZOOL 407 Parasitology [4]
- ZOOL 409 Vertebrate Histology [4]
- ZOOL 413 The Invertebrates [4]
- ZOOL 417 Vertebrate Zoology [3]
- ZOOL 418 Vertebrate Anatomy Lab [3]
- ZOOL 426 Comparative Endocrinology [3]
- ZOOL 432 Principles of Toxicology [3]
- ZOOL 439 Parasitology [4]
- ZOOL 440 Wildlife Nutritional Ecology [3]
- ZOOL 461 Mammalogy [3]
- ZOOL 467 Ornithology [3]
- ZOOL 478 Animal Behavior [3]

**Pre-Veterinary Electives**: choose six hours from the following [6]
- ANS 337 Animal Health [3]
- BIOL 304 Evolution [3]
- MICR 301 Principles of Microbiology [4]
- MICR 302 Molecular Biology [3]
- MICR 403 Medical Microbiology Lecture [3]
- MICR 460 Bacterial and Viral Genetics [3]
- PHSL 310 Principles of Physiology [5]
- PHSL 410A Mammalian Physiology [4]
- PHSL 410B Mammalian Physiology [4]
- PHSL 430 Cellular & Molecular Physiology [3]
- PHSL 430 Cellular & Molecular Physiology [3]

**Free Electives** (2-5 hours)
- ________________________________
- ________________________________