Individualized Curriculum in Zoology: B.S., Pre-Veterinary Science Specialization (Revised 2012)

Student Name: _______________________________________  Email:_________________________

Faculty Advisor: ______________________________________ Matriculation Date: _______________

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

University College [3]

- □ UCOL 101 Foundations of Inquiry


- □ ____________________________

- □ MATH 108 or 111

- □ ____________________________  Speech Communication [3]

- □ ____________________________  □ SPCM 101

**Disciplinary Studies**

Science [6]

Group I  Group II

- □ CHEM 200 and 201  □ 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

  EPSY 402 Basic Statistics or MATH 282 Intro. to Statistics or PLB 360 Intro. Biostatistics
Requirements for the Zoology Major (B.S., Pre-Veterinary Science Specialization): 67-68

Biology Core [14-15 (+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 309 Developmental Biology or ZOOL 300 Vertebrate Embryology [3-4]

Chemistry [17 (+3)]

- CHEM 200 Intro. to Chemical Principles
- CHEM 201 General Chemistry Lab I
- CHEM 210 General and Inorganic Chem.
- CHEM 211 General Chemistry Lab II

Computer Science: choose one of the following courses [3]

- CS 200B Computer Concepts
- CS 201 Problem Solving with Computers

Physics [8]

- PHYS 203A College Physics
- PHYS 203B College Physics

Zoology Core [7]

- ZOOL 215 Sophomore Seminar
- ZOOL 220 Animal Diversity
- ZOOL 482 Senior Seminar

Zoology Electives: choose nine hours from the following [9]

- ZOOL 407 Parasitology
- ZOOL 409 Vertebrate Histology
- ZOOL 413 The Invertebrates
- ZOOL 418 Comparative Vert. Anatomy
- ZOOL 426 Comparative Endocrinology
- ZOOL 433A Comparative Physiology
- ZOOL 433B Comparative Physiology
- ZOOL 440 Wildlife Nutritional Ecology
- ZOOL 471 Entomology
- ZOOL 478 Animal Behavior

Pre-Veterinary Science Electives: choose nine hours from the following [9]

- ANS 337 Animal Health
- BIOL 307 Principles of Ecology
- MICR 301 Principles of Microbiology
- MICR 302 Molecular Biology
- MICR 403 Medical Microbiology Lecture
- PHSL 310 Principles of Physiology
- PHSL 430 Cellular and Molecular Physiology
- PLB 405 The Fungi

Free Electives (2-5 hours)

- ____________________________
- ____________________________