

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

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

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
- CHEM 339 Intro. Organic Chemistry
- CHEM 341 Organic Chem. Laboratory I
- CHEM 350 Intro. to Biological Chemistry
- CHEM 351 Biochemistry Laboratory

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
- PHYS 253A College Physics Lab
- PHYS 253B College Physics Lab

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)

- _____
- _____