Individualized Curriculum in Zoology: B.A. Degree (Revisions for 2017-2018)

Student Name: ________________________________________  Email:________________________

Faculty Advisor: ________________________________________Matriculation Date: _______________

**University Core Curriculum Courses** (see Undergraduate Catalog for list of course options) (39 hours)

**Foundation Skills**

University College (1 hour)
- □ UCOL 101 Foundations of Inquiry

Composition (6 hours) Mathematics (3 hours)
- □ __________________________

- □ __________________________ Speech Communication (3 hours)
- □ CMST 101

**Disciplinary Studies**

Fine Arts (3 hours) Science (6 hours)
- □ __________________________ Group I
- □ CHEM 200, 201, 202

Human Health (2 hours) Group II
- □ __________________________
- □ BIOL 211

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.):** 54-56

**Biology Core** [18]
- □ BIOL 211 Introductory Cell Biology and Genetics [1(+3)]
- □ BIOL 212 Introductory Evolution and Ecology [4]
- □ BIOL 213 Introductory Organismal 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]
□ PHYS 203A and 253A College Physics A and lab [4]
□ 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 20 hours from the following [20] (italics = not regularly offered)
□ BIOL 306 Cell Biology [3]
□ BIOL 409 Developmental Biology [3]
□ BIOL 415 History of Biology [3]
□ ZOOL 312 Conservation of Natural Resources [3]
□ ZOOL 320 Vertebrate Zoology [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 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]
□ ZOOL 440 Wildlife Nutritional Ecology [3]
□ ZOOL 443 Restoration Ecology [3]
□ ZOOL 444 Ecological Analysis Communities [4]
□ ZOOL 445 Wetland Ecology Management [3]
□ ZOOL 450 Genome Evolution [3]
□ ZOOL 458 Multiple Stressors in Ecology [3]
□ ZOOL 461 Mammalogy [3]
□ ZOOL 462A, B Waterfowl Ecology & Lab [2, 1]
□ ZOOL 464 Wildlife Administration & Policy [3]
□ ZOOL 465 Ichthyology [3]
□ ZOOL 466 Fish Management [3]
□ ZOOL 467 Ornithology [3]
□ ZOOL 468 Wildlife Biology Principles [3]
□ ZOOL 469 Wildlife Techniques [3]
□ ZOOL 471 Entomology [4]
□ ZOOL 472 Introduction to Systems Biology [3]
□ ZOOL 474 Aquaculture [3]
□ ZOOL 478 Animal Behavior [3]
□ ZOOL 485 Special Topics in Zoology
□ ZOOL 490 Energy, Food Webs, Ecosystems [3]
□ ZOOL 491, 492, 493 [max 3]

Free Electives (16-21 hours): use these for a minor
□ ____________________________
□ ____________________________
□ ____________________________
□ ____________________________
□ ____________________________
□ ____________________________