Individualized Curriculum in Zoology: **B.S. Environmental Biology (AY ≥ 2024-2025)**

Student Name: ________________________________________ Email:__________________________

Faculty Mentor: _______________________________________ Matriculation Date: ________________

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

**Foundation Skills**

**University College [1]**

- Composition [6]  
  - □_________________________  
  - □_________________________  
    - □ UNIV 101 Foundations of Inquiry

- Mathematics [3]  
  - □ MATH 108 or 111

- Speech Communication [3]  
  - □ CMST 101

**Disciplinary Studies**

**Science [6]**

- Group I
  - □ CHEM 200, 201, 202

- Group II
  - □ BIOL 211

**Fine Arts [3]**

- □_________________________

**Social Science [6]**

- □_________________________

**Human Health [2]**

- □_________________________

**Humanities [6]**

- □_________________________

**Integrative Studies**

- Multicultural [3]

- □_________________________

**School of Biological Sciences Requirements [10-12]**

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

**Mathematics**: choose one of the following options [4-6]

- □ MATH 108 College Algebra and MATH 109 Trigonometry & Analytical Geometry [6]
- □ MATH 111 Precalculus [4]

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

**Supportive Skills [6]**

- □ Technical Writing [3]
  - □ ENGL 290 Intermediate Analytical Writing or 291 Intermediate Technical Writing or JRNL 310 Writing for the Mass Media

- □ Statistics [3]
  - □ MATH 282 Intro. to Statistics, QUAN 402 Basic Statistics or ZOOL/PLB 360 Intro. Biostatistics
Requirements for the Zoology Major (B.S., Environmental Biology Specialization): [76-77]

**Biology Core** [21]
- □ BIOL 211 Introductory Cell Biology and Genetics [4]
- □ BIOL 212 Introductory Evolution and Ecology [4]
- □ BIOL 213 Introductory Organismal Biology [4]
- □ BIOL 305 Principles of Genetics [3] *Take as early as possible as it is the prerequisite for BIOL 409*
- □ BIOL 409 Developmental Biology [3]

**Chemistry** [15]
- □ CHEM 201 General Chemistry Lab I [1]
- □ CHEM 211 General Chemistry Lab II [1]

**Mathematics** [3-4]
- □ MATH 139 Finite Math [3] or MATH 141 Short Course in Calculus or MATH 150 Calculus I [4]

**Zoology Core** [19]
- □ ZOOL 215 Sophomore Seminar [1]
- □ ZOOL 220 Animal Diversity [5]
- □ ZOOL 410 Conservation Biology [3]
- □ ZOOL 411 Environmental Risk Assessment [3]
- □ ZOOL 432 Principles of Toxicology [3]
- □ ZOOL 433 Comparative Physiology [3]
- □ ZOOL 482 Senior Seminar [1] *Must pass with C or better to graduate*

**Environmental Science Electives**: choose at least *six hours* from the following [6]
- □ CHEM 350 and 351 Biochemistry & Lab [5]
- □ FOR 429 Watershed Mgmt. Field Lab [2]
- □ GEOG 310i Digital Earth: Geospatial Tech. [3]
- □ GEOG 320 Intro Environmental Mgmt. [3]
- □ GEOG 330 Physical Climatology, Meteorology [3]
- □ GEOG 401 Introduction to GIS [3]
- □ GEOG 404 Spatial Analysis [3]
- □ GEOG 422 Economics Environ. Mgmt. [3]
- □ GEOG 424 Sustainable Development [3]
- □ GEOG 434 Water Resources Hydrology [3]
- □ GEOG 439 Global Climate Change [3]
- □ GEOL 220 or 222, and 223 Intro. Geology [4]
- □ GEOL 221 and 224 Historical Geology [4]
- □ MICR 301 Principles of Microbiology [4]
- □ PHSL 310 Principles of Physiology [5]
- □ PLB 440 Grassland Ecology [3]
- □ PLB 444 Quantitative Plant Ecology [4]

**Zoology Electives**: choose *twelve hours* from the following (no duplications) [12]
- □ BIOL 304 Evolution [3]
- □ ZOOL 403 Bee Identification Short Course [2]
- □ ZOOL 415 Limnology [3]
- □ ZOOL 435 Pollination Ecology [3]
- □ ZOOL 468 Wildlife Biology Principles [3]
- □ ZOOL 471 Entomology [3]
- □ ZOOL 491, 492, 493 [max 3 credits]

**Free Electives (4-7 hours)**
- □______________________________
- □______________________________