Individualized Curriculum in Zoology: B.S., **Fisheries Biology Specialization** (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]**

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**

□ __________________________

**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., Fisheries Biology Specialization) [74-76]

Biology Core [24]
- BIOL 211 Introductory Cell Biology and Genetics [4]
- BIOL 212 Introductory Evolution and Ecology [4]
- BIOL 213 Introductory Organismal Biology [4]
- BIOL 304 Evolution [3]
- 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 [10]
- CHEM 201 General Chemistry Lab I [1]

Mathematics: Choose one of the following courses [4]
- MATH 141 Short Course in Calculus or MATH 150 Calculus I [4]

Physical Sciences: choose one of the following options [8-10]
- CHEM 340 Organic Chemistry I [3]
- CHEM 351 Biochemistry Laboratory [2]
- CHEM 350 Intro. to Biological Chemistry [3]

Zoology Core [19]
- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 415 Limnology [3]
- ZOOL 465 Ichthyology [3]
- ZOOL 466 Fish Management [3]
- ZOOL 477 Aquaculture [3]
- ZOOL 482 Senior Seminar [1] **Must pass with C or better to graduate**

Transfer students: Take required fisheries courses immediately and concurrently because they are taught only in the fall, and Ichthyology and Fish Management are taught in alternate years.

Zoology Electives: choose nine hours from the following (no duplications) [9]
- GEOG 401 Introduction to GIS [3]
- GEOG 404 Spatial Analysis [3]
- PLB 320 Elements of Plant Physiology [4]
- ZOOL 320 Vertebrate Zoology [3]
- ZOOL 385 Introduction to Marine Biology [3]
- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 433 Comparative Physiology [3]
- ZOOL 468 Wildlife Biology Principles [3]
- ZOOL 491, 492, 493 [max 3 credits]

Free Electives (2-6 hours. Must be 300-level or higher)
- ________________________________
- ________________________________