Individualized Curriculum in Zoology: B.S., Fisheries Biology Specialization (Revisions for 2017-2018)

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] □ 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, 201, 202
  - Group II
    - □ BIOL 211
- 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
    - MATH 282 Intro. to Statistics or QUAN 402 Basic Statistics or ZOOL 360 Intro. Biostats
Requirements for the Zoology Major (B.S., Fisheries Biology Specialization): 68-70

**Biology Core** [21 (+3)]

- 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]
- BIOL 409 Developmental Biology [3]

**Chemistry** [7 (+3)]

- CHEM 200, 202 Intro. to Chemical Principles
- CHEM 210, 212 General & Inorganic Chem.
- CHEM 201 General Chemistry Lab I
- CHEM 211 General Chemistry Lab II

**Mathematics**: choose one of the following courses [4]

- MATH 141 Short Course in Calculus for Biological Sciences or MATH 150 Calculus I

**Physical Science**: choose one of the following options [8-10]

- Chemistry [10]
  - CHEM 340 Organic Chemistry I
  - CHEM 341 Organic Chem. Laboratory I
  - CHEM 350 Intro. to Biological Chemistry
  - CHEM 351 Biochemistry Laboratory

- Physics [8]
  - PHYS 203A and 253A College Physics A
  - PHYS 203B and 253B College Physics B

**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]

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

- ZOOL 320 Vertebrate Zoology [3]
- ZOOL 385 Introduction to Marine Biology [3]
- ZOOL 410 Conservation Biology [3]
- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 418 Vertebrate Anatomy Lab [3]
- ZOOL 426 Comparative Endocrinology [3]
- ZOOL 433 Comparative Physiology [3]
- ZOOL 434 Environmental Physiology [3]
- ZOOL 458 Multiple Stressors in Ecology [3]
- ZOOL 490 Energetics, Food Webs, Ecosys. [3]
- ZOOL 491, 492, 493 [max 3]

**Free Electives** (2-8 hours)

- ______________________________
- ______________________________
- ______________________________
- ______________________________