Individualized Curriculum in Zoology: B.S., Fisheries Biology Specialization (AY 2015-2016)

Student Name: ___________________________  Email: ___________________________

Faculty Advisor: ___________________________  Matriculation Date: ________________

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

Foundation Skills

University College [3]
  □ UCOL 101 Foundations of Inquiry

  □ 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
    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): 61-63

**Biology Core [14 (+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 304 Evolution or BIOL 409 Developmental Biology [3]

**Chemistry [7 (+3)]**
- □ CHEM 200, 202 Intro. to Chemical Principles
- □ CHEM 210, 212 General & Inorganic Chem.

**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
  - □ PHYS 203A and 253A College Physics A

**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 306 Fish Biology [3]
- □ ZOOL 385 Introduction to Marine Biology [3]
- □ ZOOL 410 Conservation Biology [3]
- □ ZOOL 414 Freshwater Invertebrates [4]
- □ ZOOL 417 Vertebrate Zoology [3]
- □ 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 473 Aquatic Entomology [3]
- □ ZOOL 490 Energetics, Food Webs, Ecosys. [3]

**Free Electives** (7-11 hours)
- □ __________________________________________________________________________
- □ __________________________________________________________________________