

Individualized Curriculum in Zoology: B.S., **Fisheries Biology Specialization** (Revised 2012)

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

Composition [6]

- _____
- _____

Mathematics [3]

- 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
EPSY 402 Basic Statistics *or* MATH 282 Intro. to Statistics *or* PLB 360 Intro. Biostatistic

Requirements for the Zoology Major (B.S., Fisheries Biology Specialization): 58-61

Biology Core [14-15 (+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 307 Principles of Ecology [3]
- BIOL 304 Evolution *or* BIOL 309 Developmental Biology *or* ZOOL 300 Vert. Embryology [3-4]

Chemistry [7 (+3)]

- CHEM 200 Intro. to Chemical Principles
- CHEM 201 General Chemistry Lab I
- CHEM 210 General and Inorganic Chemistry
- CHEM 211 General Chemistry Lab II

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

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

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

- Chemistry [10]
 - CHEM 339 Intro. to Organic Chemistry
 - CHEM 341 Organic Chem. Laboratory I
- Physics [8]
 - PHYS 203A and 253A College Physics A
 - PHYS 203B and 253B College Physics B
- CHEM 350 Intro. to Biological Chemistry
- CHEM 351 Biochemistry Laboratory

Zoology Core [19]

- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 306 Fish Biology [3]
- ZOOL 415 Limnology [3]
- ZOOL 466 Fish Management [3]
- ZOOL 477 Aquaculture [3]
- ZOOL 482 Senior Seminar [1]

Zoology Electives: choose *six hours* from the following [6]

- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 458 Issues in Aquatic Ecology [3]
- ZOOL 465 Ichthyology [3]
- ZOOL 473 Aquatic Entomology [3]

Free Electives (9-14 hours)

- _____
- _____
- _____
- _____
- _____