

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* ZOO 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 307 Principles of Ecology [3]
- BIOL 409 Developmental Biology [3]

Chemistry [7 (+3)]

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

- ZOOLOGY 215 Sophomore Seminar [1]
- ZOOLOGY 220 Animal Diversity [5]
- ZOOLOGY 415 Limnology [3]
- ZOOLOGY 465 Ichthyology [3]
- ZOOLOGY 466 Fish Management [3]
- ZOOLOGY 477 Aquaculture [3]
- ZOOLOGY 482 Senior Seminar [1]

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

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

Free Electives (2-8 hours)

- _____
- _____
- _____
- _____