

Individualized Curriculum in Zoology: **B.S. Wildlife Biology Specialization** (AY 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]

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

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 [3]

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 [3]

MATH 282 Intro. Statistics *or* QUAN 402 Basic Statistics *or* ZOO 360 Intro. Biostatistics

Requirements for the Zoology Major (B.S., Wildlife Biology Specialization): 70-72

Biology Core [18]

- BIOL 211 Introductory Cell Biology and Genetics [1 (+3)]
- BIOL 212 Introductory Evolution and Ecology [4]
- BIOL 213 Introductory Organismal Biology [4]
- BIOL 305 Principles of Genetics [3]
- BIOL 307 Principles of Ecology [3]
- BIOL 304 Evolution *or* BIOL 409 Developmental Biology [3]

Zoology Core [13]

- ZOOL 215 Sophomore Seminar [1]
- ZOOL 220 Animal Diversity [5]
- ZOOL 410 Conservation Biology [3]
- ZOOL 468 Wildlife Principles [3]
- ZOOL 482 Senior Seminar [1]

Physical Science [15(+3)]

- CHEM 200, 202 Intro. Chemical Principles [1(+3)]
- CHEM 210, 212 General & Inorganic Chem. [4]
- PHYS 203A College Physics A [3]
- CSEM 240 Soil Science [4]
- CHEM 201 General Chemistry Lab I [1]
- CHEM 211 General Chemistry Lab II [1]
- PHYS 253A College Physics A Lab [1]

Mathematics: choose one of the following courses [3-4]

- MATH 139 Finite Math [3] *or* MATH 141 Short Course in Calculus *or* MATH 150 Calculus I [4]

Wildlife Management: choose one of the following [3]

- FOR 405 Forest Management for Wildlife [3]
- FOR 451 Natural Resources Inventory [3]
- ZOOL 445 Wetland Ecology & Management [3]
- ZOOL 462A, B Waterfowl [3]
- ZOOL 469 Wildlife Techniques [3]

Policy, Administration, and Law: choose one of the following [3] (*italics = not regularly offered*)

- CMST 412 Environmental Rhetoric [3]
- FOR 325 Forest Resources Administration & Policy [3]
- FOR 409 Forest Resources Decision-Making [3]
- GEOG 422 Economics in Environmental Mgmt [3]
- GEOG 426 US Environment Policy [3]
- GEOG 471 Environ. Impact Anal. [3]
- ZOOL 464 Wildlife Admin. & Policy [3]*

Wildlife Biology: choose two of the following courses (no duplications) [6]

- ZOOL 408 Herpetology [3]
- ZOOL 461 Mammalogy [3]
- ZOOL 462A, B Waterfowl [3]
- ZOOL 467 Ornithology [3]
- ZOOL 478 Animal Behavior [3]

Zoology Electives: choose *three hours* from the following (no duplications) [3]

- ZOOL 320 Vertebrate Zoology [3]
- ZOOL 407 Parasitology [4]
- ZOOL 408 Herpetology [3]
- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 418 Vertebrate Anatomy Lab [3]
- ZOOL 433 Comparative Physiology [3]
- ZOOL 434 Environmental Physiology [3]*
- ZOOL 461 Mammalogy [3]
- ZOOL 462A, B Waterfowl Ecology [3]
- ZOOL 465 Ichthyology [3]
- ZOOL 466 Fish Management [3]
- ZOOL 467 Ornithology [3]
- ZOOL 469 Wildlife Techniques [3]
- ZOOL 478 Animal Behavior [3]
- ZOOL 491, 492, 493 [max 3]

Plant Systematics: choose *one* of the following [3-4]

- FOR 202 Tree Identification Lab [3]
- PLB 300 Diversity of Plants, Algae, and Fungi [4]
- PLB 304 Elements of Plant Systematics [4]
- PLB 449 Plant Systematics & Evol. [3]
- PLB 451 Flora of Southern Illinois [3]

Botany Electives: choose *three hours* from the following (no duplications) [3]

- FOR 201 Ecology of N. American Forests [3]
- PLB 300 Diversity of Plants, Algae, Fungi [4]
- PLB 320 Elements of Plant Physiology [4]
- PLB 400 Plant Anatomy [4]
- PLB 415 Morphol. Vascular Plants [5]
- PLB 440 Grassland Ecology [3]
- PLB 443 Restoration Ecology [3]
- PLB 445 Wetland Ecology & Mgmt [4]

Free Electives (0-4 hours)

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