

Individualized Curriculum in Zoology: **B.S. Wildlife Biology Specialization** (AY ≥ 2024-2025)

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]

UNIV 101 Foundations of Inquiry

Composition [6]

Mathematics [3]

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*MATH 108 or 111*

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Speech Communication [3]

CMST 101

**Disciplinary Studies**

Science [6]

Group I

*CHEM 200, 201, 202*

Group II

*BIOL 211*

Fine Arts [3]

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Social Science [6]

Human Health [2]

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Humanities [6]

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**Integrative Studies**

Multicultural [3]

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**School of Biological Sciences Requirements** [10-12]

**Biological Sciences:** completed with the Zoology major

**Mathematics:** choose *one* of the following options [4-6]

MATH 108 College Algebra *and* MATH 109 Trigonometry & Analytical Geometry [6]

MATH 111 Precalculus [4]

**Physical Sciences:** completed with the Zoology major

**Supportive Skills** [6]

Technical Writing [3]

ENGL 290 Intermediate Analytical Writing *or* 291 Intermediate Technical Writing *or* JRNL 310 Writing for the Mass Media

Statistics [3]

MATH 282 Intro. to Statistics QUAN 402 Basic Statistics *or* ZOOL/PLB 360 Intro. Biostatistics

**Requirements for the Zoology Major (B.S., Wildlife Biology Specialization): [75-77]**

**Biology Core [21]**

- BIOL 211 Introductory Cell Biology and Genetics [4]
- BIOL 212 Introductory Evolution and Ecology [4]
- BIOL 213 Introductory Organismal Biology [4]
- BIOL 305 Principles of Genetics [3] **Take as early as possible as it is the prerequisite for BIOL 409**
- 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 Biology Principles [3]
- ZOOL 482 Senior Seminar [1] **Must pass with C or better to graduate**

**Physical Science [14]**

- CHEM 200, 202 Intro. Chemical Principles [4]
- CHEM 210, 212 General & Inorganic Chem. [4]
- PHYS 203A College Physics A [3]
- 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]

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

- CMST 412 Environmental Rhetoric [3]
- FOR 325 Forest Resources Admin & Policy [3]
- FOR 409 Forest Resource Decision-Making [3]
- ZOOL 464 Wildlife Admin. & Policy [3]*

**Wildlife Biology & Management:** choose three of the following courses (no duplications) [9]

- ZOOL 408 Herpetology [3]
- ZOOL 461 Mammalogy [3]
- ZOOL 462A, B Waterfowl Ecol. & Mgmt. [3]
- ZOOL 467 Ornithology [3]
- ZOOL 469 Wildlife Techniques [3]

**Zoology Electives:** choose *nine* hours of the following (no duplications) [9]

- CSEM 240 Soil Science [4]
- FOR 201 Ecology of N. American Forests [3]
- FOR 405 Forest Management for Wildlife [3]
- FOR 451 Natural Resources Inventory [3]
- GEOG 401 Introduction to GIS [3]
- GEOG 404 Spatial Analysis [3]
- MICR 406 Intro Mycology [3]
- PLB 300 Diversity of Plants, Algae & Fungi [4]
- PLB 320 Elements of Plant Physiology [4]
- PLB 440 Grassland Ecology [3]
- ZOOL 320 Vertebrate Zoology [3]
- ZOOL 385 Introduction to Marine Biology [3]
- ZOOL 403 Bee Identification Short Course [2]
- ZOOL 407 Parasitology [4]
- ZOOL 408 Herpetology [3]
- ZOOL 414 Freshwater Invertebrates [4]
- ZOOL 415 Limnology [3]
- ZOOL 433 Comparative Physiology [3]
- ZOOL/PLB 438 Plant-Animal Molec. Gen. Lab [3]
- ZOOL 461 Mammalogy [3]
- ZOOL 462A, B Waterfowl Ecol. & Mgmt. [3]
- ZOOL 465 Ichthyology [3]
- ZOOL 466 Fish Management [3]
- ZOOL 467 Ornithology [3]
- ZOOL 468 Wildlife Biology Principles [3]
- ZOOL 469 Wildlife Techniques [3]
- ZOOL 471 Entomology [3]
- ZOOL 478 Animal Behavior [3]
- ZOOL 491, 492, 493 [max 3 credits]

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

- FOR 202 Tree Identification Lab [3]
- PLB 300 Diversity of Plants, Algae & Fungi [4]
- PLB 408 Plant Systematics & Identification [4]
- PLB 451 Flora of Southern Illinois [3]

**Free Electives (1-5 hours)**

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