

# MINOR IN WILDLIFE BIOLOGY AND MANAGEMENT

Last Revised 1/17/2025

The minor in Wildlife Biology and Management requires 21 hours of course work as follows:

## PREREQUISITES

BIO 148 Introductory Biology I (3)

## REQUIREMENTS

FOR 101 Introduction to Wildlife Conservation (3)

FOR 370 Wildlife Biology and Management (4)

FOR 435 Conservation Biology (3)

Two of the following courses focused on specific taxonomic groups:

FOR 510 Herpetology (4)

FOR 520 Mammals of the Eastern United States (4)

BIO 559 Ornithology (4) OR FOR 515 Bird Ecology and Management (4)

## ELECTIVES

One of the following courses:

*\*This course may count as a Minor Elective if the student has taken two other courses needed to fulfill the taxonomic group-specific component of the Minor Requirements.*

BIO 303 Introduction to Evolution (4)

BIO 325 Ecology (4)

BIO 375 Behavioral Ecology and Sociobiology (3)

BIO 559 Ornithology (4)\* OR FOR 515 Bird Ecology and Management (4)\*

FOR 340 Forest Ecology (4)

FOR 400 Human Dimensions of Forestry and Natural Resources (3)

FOR 510 Herpetology (4)\*

FOR 520 Mammals of the Eastern United States (4)\*

FOR 530 Freshwater Ecology (3)

FOR 540 Urban Ecology (3)

FOR 550 U.S. Biodiversity Hotspots (3)

FOR/GEO 570 Landscape Ecology for Natural Resources (3)

NRE/LA 556 Contemporary Geospatial Applications for Land Analysis (3)

The Wildlife Biology and Management Minor is designed to provide students in forestry, natural resource environmental science, biology, animal science and related majors with a broad foundation in wildlife ecology and the practice of wildlife management and conservation. Students are required to complete a core set of foundational wildlife courses that provides a fundamental understanding of basic concepts, principles, and practices of wildlife studies applicable to multiple career lines that incorporate wildlife management, research, teaching, outreach, and land stewardship. Completion of the minor will also satisfy many of the courses required to become a Certified Wildlife Biologist as recognized by The Wildlife Society professional organization.

**TOTAL HOURS REQUIRED: Min. 21 hours**

## Notes for the Wildlife Biology and Management Minor

**BIO 148** - Prereq: Math ACT 25 or Math SAT 590 or HS GPA of 3.6 or MA 109 or BIO 155 grade of B or better, or permission of instructor.



To finish on time:

**Plan ahead**

Talk to your advisor

For additional information contact: Laura Lhotka, Academic Coordinator - Forestry (859) 257-8718 | [laura.lhotka@uky.edu](mailto:laura.lhotka@uky.edu)

# SAMPLE CURRICULUM PATH FOR FORESTRY MAJOR AND WILDLIFE BIOLOGY AND MANAGEMENT MINOR

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## FALL

YEAR 1

FOR 100 Forests and Forestry	3
FOR 285 Communication & Prof. Dev. in For. & N.R. I	1
MA 109 College Algebra (Quantitative Foundations)	3
Citizenship - U.S. (AFE 100 Issues in Ag., Food & Env.)	3
CIS/WRD 110 (Composition and Communication)	3
Humanities	3

Forestry Credit Hours 4                      Total Credit Hours 16

YEAR 2

FOR 200 Basics of Geospatial Technology	3
FOR 219 Dendrology	4
FOR 250 Statistics and Measurements (Statistical Inferential Reasoning)	4
FOR 245 Tree Biology	2
FOR 320 Forest Valuation & Economics	3

Forestry Credit Hours 16                      Total Credit Hours 16

YEAR 3

FOR 260 Forest Products & Wood Sci. (2 <sup>nd</sup> half of semester)	1
FOR 340 Forest Ecology	4
FOR 350 Silviculture	4
FOR 370 Wildlife Biology and Management	4
FOR 460 Forest Hydrology and Watershed Management	3

Forestry Credit Hours 16                      Total Credit Hours 16

YEAR 4

FOR 400 Human Dimensions of Forestry and Nat. Resources	3
FOR 502 Forest Entomology	3
FOR 425 Forest Management	4
FOR 520 Mammals of Eastern US (option)	4
Minor Elective FOR 570 (option)	3

Forestry Credit Hours 10                      Total Credit Hours 17

## SPRING

FOR 255 Forest Fire	1
BIO 148 Introductory Biology I	3
CHE 105 Gen. College Chem. I (Nat/Phys/Math Sci.)	4
FOR 101 Intro to Wildlife Conservation	3
CIS/WRD 111 (Composition and Communication)	3

Forestry Credit Hours 1                      Total Credit Hours 14

FOR 310 Intro to Forest Health and Protection	3
FOR 330 GIS & Spatial Analysis	3
PLS 366 Fundamentals of Soil Science	4
Social Sciences	3
Arts and Creativity	3

Forestry Credit Hours 10                      Total Credit Hours 16

### SPRING FIELD SEMESTER

FOR 221 Winter Dendrology	1
FOR 286 Communication & Professional Dev. in For. & N.R. II	1
FOR 356 Forest Soils and Hydrology	1
FOR 357 Inventory and Measurements	2
FOR 358 Silvicultural Practices	3
FOR 359 Forest Operations	2
FOR 360 Forest Products Utilization	2
FOR 365 Wildlife Assessment	2

Forestry Credit Hours 14                      Total Credit Hours 14

FOR 435 Conservation Bio. (Global Dynamics)	3
FOR 440 Forest Policy and Law	3
FOR 480 Integrated Forest Resource Management	5
FOR 510 Herpetology (option)	4
FOR 515 Bird Ecology and Management (option)	4

Forestry Credit Hours 11                      Total Credit Hours 19

Required Forestry Courses	81
Professional Electives	9
Free Electives	3
Pre-Major Requirements	3 (6)
UK Core	24 (31)
<b>Total Undergraduate Forestry Program</b>	<b>120</b>

For additional information contact:  
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