

## Wildlife Biology and Management MINOR

### Minor Prerequisites

BIO 148 Introductory Biology I (3)

### Minor 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:

FOR 510 Herpetology (4)

FOR 520 Mammals of the Eastern United States (4)

BIO 559 Ornithology (4)

### Minor Electives\*

ONE of the following courses:

BIO 303 Introduction to Evolution (4)

BIO 325 Ecology (4)

BIO 375 Behavioral Ecology and Sociobiology (3)

BIO 555 Vertebrate Zoology (5)

FOR 340 Forest Ecology (4)

FOR 400 Human Dimensions of Forestry & Nat. Res. (3)

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.

\*Forestry majors may not select FOR 340 or FOR 400 to count towards the Minor Electives.

Forestry majors must select one of the other courses listed under the Minor Electives.

### Total Hours Required: Minimum 21 hours

To finish on time:  
 **Plan ahead**  
• Talk to your advisor

### Notes for the Wildlife Biology and Management Minor

- **\*BIO 148** - Prereq: Math ACT of 24 or above, or MA 109, and past or concurrent enrollment in CHE 105.
- **\*CHE 105** - Prereq: Math ACT of 23 or above (or Math placement test), or MA 109, or MA 110, or the Community College course CHE 102R or CHM 100.
- 9 hours of professional electives for forestry degree use the following courses:
  - FOR 101 Intro to Wildlife Conservation (3)
  - FOR 510 Herpetology (4)
  - FOR 520 Mammals of Eastern US (4)
- Free elective for forestry - Take one elective in the Minor - FOR 530, 540, 550, or NRE 556. *Note: Forestry majors are not allowed to count FOR 340 and FOR 400 one of the Minor Electives.*

## Curriculum Path for FORESTRY MAJOR with a Wildlife Biology and Management MINOR

### FALL

### SPRING

YEAR 1

FOR 100 FORESTS AND FORESTRY	3
FOR 285 COM. & PROF. DEV. IN FOR. & N.R. I	1
<b>MA 109 College Algebra (Quantitative Foundations)</b>	<b>3</b>
Citizenship - U.S. (GEN 100 Issues in Ag., Food & Env.)	3
CIS/WRD 110 (Composition & Comm.)	3
Humanities	3

*Forestry Credit Hours*    4            *Total Credit Hours*    16

FOR 240 FORESTRY AND NAT. RES. ETHICS	2
FOR 255 FOREST FIRE	1
<b>BIO 148* Introductory Biology I</b>	<b>3</b>
<b>CHE 105* Gen. College Chem. I</b> (Nat/Phys/Math Sci.)	<b>4</b>
<b>FOR 101 Intro to Wildlife Conservation</b>	<b>3</b>
CIS/WRD 111 (Composition & Communication)	3

*Forestry Credit Hours*    3            *Total Credit Hours*    16

YEAR 2

FOR 200 BASICS OF GEOSPATIAL TECHNOLOGY	3
FOR 219 DENDROLOGY	4
FOR 250 STATISTICS AND MEASUREMENTS I (Statistical Inferential Reasoning)	4
FOR 280 FOREST RESOURCE POLICY AND LAW	3
<b>FOR 320 FOREST VALUATION &amp; ECONOMICS</b>	<b>3</b>

*Forestry Credit Hours*    14            *Total Credit Hours*    17

FOR 260 FOREST PRODUCTS & WOOD SCIENCE	4
FOR 330 GIS & SPATIAL ANALYSIS	3
PLS 366 FUNDAMENTALS OF SOIL SCIENCE	4
Social Sciences	3
Arts and Creativity	3

*Forestry Credit Hours*    11            *Total Credit Hours*    17

YEAR 3

FOR 221 WINTER DENDROLOGY ( <i>2<sup>nd</sup> half of semester</i> )	1
FOR 340 FOREST ECOLOGY	4
FOR 350 SILVICULTURE	4
FOR 370 WILDLIFE BIOLOGY & MANAGEMENT	4
<b>FOR 530, 540, 570, or LA 556 (Minor elective)</b>	<b>3</b>

*Forestry Credit Hours*                    *16 Total Credit Hours*    16

FOR 286 COM. & PROF. DEV. IN FOR. & N.R. II	1
FOR 310 INTRO TO FOREST HEALTH & PRO.	1
FOR 356 FOREST SOILS AND HYDROLOGY	1
FOR 357 INVENTORY AND MEASUREMENTS II	2
FOR 358 SILVICULTURAL PRACTICES	3
FOR 359 FOREST OP. & UTILIZATION	3
FOR 365 WILDLIFE ASSESSMENT	2

*Forestry Credit Hours*    13            *Total Credit Hours*    13

YEAR 4

FOR 400 HUMAN DIM. FOR. & NAT. RES.*	3
FOR 502 FOREST ENTOMOLOGY	3
FOR 425 FOREST MANAGEMENT	4
FOR 460 FOREST HYDRO. & WATERSHED MGMT	3
<b>FOR 520 Mammals of Eastern US</b>	<b>4</b>

*Forestry Credit Hours*                    *13 Total Credit Hours*    17

FOR 435 CONSERVATION BIO. ( <i>Global Dynamics</i> )	3
FOR 480 INTEGRATED FOREST RESOURCE MANAGEMENT*	5
<b>FOR 510 Herpetology</b>	<b>4</b>

*Forestry Credit Hours*    8            *Total Credit Hours*    12

*\*Graduation Writing Requirement*

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- **\*BIO 148** - Prereq: Math ACT of 24 or above, or MA 109, and past or concurrent enrollment in CHE 105.
- **\*CHE 105** - Prereq: Math ACT of 23 or above (or Math placement test), or MA 109, or MA 110, or the Community College course CHE 102R or CHM 100.
- 9 hours of professional electives for forestry degree use the following courses:
  - FOR 101 Intro to Wildlife Conservation (3)
  - FOR 510 Herpetology (4)
  - FOR 520 Mammals of Eastern US (4)
- Free elective for forestry - Take one elective in the Minor - FOR 530, 540, 550, or NRE 556. *Note: Forestry majors are not allowed to count FOR 340 and FOR 400 one of the Minor Electives.*

