

# WILDLIFE AND FISHERIES BIOLOGY

## Bachelor of Science

### Freshman Year

#### First Semester

3 - BIOL 103 General Biology I  
1 - BIOL 105 General Biology Lab. I  
4 - CH 105 Chemistry in Context I<sup>1</sup>  
1 - ENR 101 Intro. to Env. & Natural Res. I  
3 - MTHSC 102 Intro. to Mathematical Analysis  
3 - Oral Communication Requirement<sup>2</sup>  
15

#### Second Semester

3 - BIOL 104 General Biology II  
1 - BIOL 106 General Biology Lab. II  
4 - CH 106 Chemistry in Context II<sup>1</sup> *or*  
4 - PHYS 200 Introductory Physics<sup>1</sup>  
3 - ENGL 103 Accelerated Composition  
3 - EXST 301 Introductory Statistics  
1 - FNR 102 FNR Freshman Portfolio  
15

### Sophomore Year

#### First Semester

4 - FNR 204 Soil Information Systems  
2 - FOR 205 Dendrology  
3 - FOR 221 Forest Biology  
3 - WFB 300 Wildlife Biology  
1 - WFB 301 Wildlife Biology Lab.  
3 - Arts and Humanities (Non-Lit.) Requirement<sup>2</sup>  
16

#### Second Semester

3 - BIOSC 303 Vertebrate Biology  
3 - ENR 302 Natural Resources Measurements  
3 - FOR 206 Forestry Ecology  
3 - WFB 350 Principles of Fish & Wildlife Biol.  
3 - Social Science Requirement<sup>2</sup>  
15

### Junior Year

#### First Semester

4 - BIOSC 320 Field Botany  
3 - ENGL 314 Technical Writing  
3 - GEN 300 Fundamental Genetics  
3 - WFB 410 Wildlife Management Techniques  
3 - Arts and Humanities (Lit.) Requirement<sup>2</sup>  
16

#### Second Semester

3 - WFB (BIOSC) 313 Conservation Biology  
3 - WFB 412 Wildlife Management  
3 - WFB 416 Fishery Biology  
3 - WFB 440 Non-Game Wildlife Management  
3 - WFB 462 Wetland Wildlife Biology  
15

### Senior Year

#### First Semester

3 - APEC 257 Natural Resources, Env., & Econ.  
4 - AVS 301 Anat. & Phys. of Domestic Animals  
3 - FOR (ENR) 434 GIS for Landscape Planning  
1 - WFB 498 Senior Portfolio  
4 - Approved Requirement<sup>3</sup>  
15

#### Second Semester

1 - FNR 499 Natural Resources Seminar  
3 - WFB 430 Wildlife Conservation Policy  
8 - Approved Requirement<sup>3</sup>  
3 - Policy and Law Requirement<sup>3</sup>  
15

122 Total Semester Hours

<sup>1</sup>Students planning to take organic chemistry should substitute CH 101 and 102.

<sup>2</sup>See General Education Requirements. Three of these credit hours must also satisfy the Cross-Cultural Awareness Requirement; and, if CH 105 is not selected, three credits must also satisfy the Science and Technology in Society Requirement. (*Note:* Social Science Requirement must be in an area other than economics or applied economics.)

<sup>3</sup>Select from department-approved list.

## WFB Approved Requirements & "PAL" Requirements

### Approved Requirements

APEC 475 Wildlife Economics and Policy 3(3,0)  
AGM 301 Soil and Water Conservation 3(2,3)  
BIOSC 302, H302 Invertebrate Biology 3(3,0)  
BIOSC 306 Invertebrate Biology Laboratory 1(0,3)  
BIOSC 307 Vertebrate Biology Laboratory 1(0,3)  
BIOSC 410, 610 Limnology 3(3,0)  
BIOSC 411, H411, 611 Limnological Analyses 2(1,2)  
BIOSC 417, 617 Marine Biology 3(3,0)  
BIOSC 442, H442, 642 Biogeography 3(3,0)  
BIOSC 443, 643 Freshwater Ecology 3(3,0)  
BIOSC 475, H475 675 Comparative Physiology 3(3,0)  
BIOSC 476, H476, 676 Comparative Physiology Laboratory 2(1,2)  
BIOSC 464, 664 Mammalogy 3(2,3)  
BIOSC 468, 668 Herpetology 3(2,3)  
BIOSC 470, H470, 670 Animal Behavior 3(3,0)  
BIOSC 471, 671 Animal Behavior Laboratory 1(0,3)  
BIOSC 472, 672 Ornithology 4(3,3)  
BIOSC 477, 677 Ichthyology 3(2,3)  
BIOSC 486 Natural History 3(3,0)  
CRD 357 Natural Resources Economics 3(3,0)  
ENR (BIOSC) 413 Restoration Ecology 3(3,0)  
ENR 429 Environmental Law 3(3,0)  
ENR 450, 650 Conservation Issues 3(3,0)  
ENT 300 Environmental Entomology 3(3,0)  
ENT (WFB) 469, H469, 669 Aquatic Insects 3(1,6)  
FNR 466, 666 Stream Ecology  
FOR 400, 600 Public Relations in Natural Resources 3(3,0)  
FOR 406 Forested Watershed Management 2(2,0)  
FOR 415, 615 Forest Wildlife Management 3(2,3)  
FOR 416 Forest Policy and Administration 3  
FOR 433, 633 GPS Applications 3(2,3)  
FOR 434, 634 Geographic Information Systems for Landscape Planning 3(2,3)  
Students considering "AFS" Certification which requires 15 hrs of Physical Sciences  
GEOL 101 Physical Geology (3,0) and GEOL 103 Physical Geol Lab 1(0,2)  
or Physics 200 Introductory Physics 4 cr (3,2)

### "PAL" Policy and Law Approved Requirements<sup>1</sup>

APEC 475 Wildlife Economics and Policy 3(3,0)  
CRD 357 Natural Resources Economics 3(3,0)  
ENR 429 Environmental Law 3(3,0)  
ENR 450, 650 Conservation Issues 3(3,0)  
FOR 400, 600 Public Relations in Natural Resources 3(3,0)  
FOR 416 Forest Policy and Administration  
WFB 430, 630 Wildlife Conservation Policy 3(3,0)  
<sup>1</sup> (as long as not used to fill another requirement in curriculum)