

Wildlife and Fisheries Management Concentration – 2018-19 CatalogDepartment of Forestry, Wildlife and Fisheries
University of Tennessee, Knoxville

Student _____ Advisor _____

Fall Semester	Year 1	Spring Semester
____ (3) BIOL 150 - Organismal/Ecological Biology	____ (2) BIOL 159 – Skills of Biological Investigations	____ (3) BIOL 160 - Cellular and Molecular Biology
____ (3) ENGL 101 - English Composition I	____ (3) MATH 125 - Basic Calculus	____ (3) ENGL 102 - English Composition II
____ (1) WFS 100 - Introduction to Wildlife & Fisheries	____ (3) FWF 250 - Conservation	
____ (3) Cultures & Civilizations Elective ^b		
____ (3) Arts & Humanities Elective ^b		
13	14	
Fall Semester	Year 2	Spring Semester
____ (4) ESS 210 - Introduction to Soil Science	____ (2-3) BIOL 260 - Ecology or FORS 215 - Forest Ecology	____ (3) MATH 115 - Stat Reason OR STAT 201 Intro Stats
____ (3) FWF 212 - Dendrology & Silvics of North American Trees	____ (3) Communications Elective ^d	____ (3) Social Science Elective ^b
____ (3) GIS Elective ^c	____ (4) AREC 201 - Econ Global Food/Fiber System OR	____ ECON 201 - Intro Econ: A Survey Course
____ (4) CHEM 120 - General Chemistry		
____ (3) ENG 295 - Business and Technical Writing OR		
____ ENG 360* Technical and Professional Writing		
17	15-16	
Fall Semester	Year 3	Spring Semester
____ (4) EEB 474 - Ichthyology	____ (1) FWF 310 - Wildland Fire Behavior & Mgt	____ (3) FWF 312 - Principles of Silviculture ^b
____ (3) FWF 315 - Principles of Wildlife & Fisheries Management	____ (3) FWF 313 - Measurements and Sampling	____ (6) Wildlife Ecology and Management ^h
____ (3) Anatomy and Physiology Elective ^e	____ (3) Cultures & Civilizations Elective ^b	
____ (3) Aquatic Elective ^f		
____ (3) Plant Elective ^g		
16	15	
Fall Block	Year 4	Spring Semester
____ (2) WFS 305 - Prescribed Fire Management	____ (3) FWF 416 - Plan & Mgt FWF Resources	____ (3) Human Dimensions Elective ⁱ
____ (2) WFS 324 - Wildlife Habitat Evaluation	____ (2) Science Elective ^j	____ (3) Arts and Humanities Elective ^b
____ (2) WFS 340 - Wetlands Ecology & Management	____ (3) WFS 443 - Fisheries Science OR	____ WFS 452 - Ecology and Management of Fishes
____ (1) WFS 350 - Wildlife Damage Management	____ WFS 452 - Ecology and Management of Fishes	____ (1) WFS 461 - Professional Development in WFS
____ (2) WFS 440 - Wildlife Techniques		
____ (3) WFS 442 - Fisheries Techniques		
____ (2) FWF 415 - Upland Habitat Management		
14	15	

^a 120 hours required for graduation; courses listed by department, number and title are required.^b General Education electives - choose from the University General Education list. Students must complete one course from the Social Sciences list, two courses from the Arts and Humanities list, and two courses from the Cultures and Civilizations list. FWF 312 meets the Communication through Writing (WC) requirement.^c GIS elective - choose from FWF 430; BSET 326; GEOG 311, GEOG 411, GEOG 413.^d Communications elective - choose from CMST 210, CMST 240; ALEC 240.^e Anatomy and Physiology elective - choose from AS 220; BCMB 230; EEB 353; WFS 431, WFS 450.^f Aquatic elective - choose from EEB 470; ESS 424, ESS 462; GEOL 459, GEOL 485; WFS 441.^g Plant elective - choose from EEB 330, EEB 414, EEB 424, EEB 433; FWF 325; PLSC 421.^h Wildlife Ecology and Management electives - choose two courses from WFS 433, WFS 444, WFS 445.ⁱ Human Dimensions elective - choose from FORS 422; FWF 320, FWF 420; SOCI 360, SOCI 465.^j Any 300-level or above course in WFS, FWF, FORS, EEB, EPP, ANSC, MICR, or BCMB.

Elective Choices:

GIS elective –

BSET 326 GIS/GPS Applications in Agriculture and Environmental Science
FWF 430 Introduction to Geographic Information Systems (GIS) for Natural Resources
GEOG 311 Geovisualization and Geographic Information Science
GEOG 411 Intermediate Geographic Information Science
GEOG 413 Remote Sensing of the Environment

Communications elective –

ALEC 240 Presentation and Sales Strategies for Agricultural Audiences
CMST 210 Public Speaking
CMST 240 Business and Professional Communication

Anatomy and Physiology elective –

AS 220 Animal Anatomy and Physiology
BCMB 230 Human Physiology
EEB 353 Comparative Vertebrate Biology
WFS 431 Wildlife Physiology and Nutrition
WFS 450 Fish Physiology

Aquatic elective –

EEB 470 Aquatic Ecology
ESS 424 Environmental Stormwater Management
ESS 462 Environmental Climatology
GEOL 459 Introduction to Oceanography
GEOL 485 Principles of Hydrogeology
WFS 441 Stream Ecology

Plant elective –

EEB 330 Field Botany
EEB 414 Plant Anatomy
EEB 424 Plant Diversity and Evolution
EEB 433 Plant Ecology
FWF 325 Wildlife Vegetation and Habitat
PLSC 421 Native Plants in the Landscape

Wildlife Ecology and Management electives –

WFS 433 Amphibian Ecology and Conservation
WFS 444 Ecology and Management of Wild Mammals
WFS 445 Ecology and Management of Wild Birds

Human Dimensions elective –

FORS 422 Forest and Wildland Resource Policy
FWF 320 Human Dimensions of Natural Resources
FWF 420 International Natural Resource Issues
SOCI 360 Environment and Resources
SOCI 465 Social Values and the Environment