

Fish, Wildlife and Conservation Ecology
College of Agricultural, Consumer and Environmental Sciences
DEGREE PLAN SPRING 2019

Name: _____
 Banner ID: _____
 Option: _____

University Requirements

Area I. Communications (10 credits)

EN CR

ENGL 111G (4) Rhetoric and Composition
 ENGL 218G (3) Technical and Sci. Comm. or 318G (3) Adv. Tech. Sci. Comm.
 AXED 201G (3) Leadership and Comm. or COMM 253G (3) Public Speaking or
 COMM 265G (3) Principles of Human Communication

Area II. Mathematics (3-4 credits)

MATH 142G (3) Calculus for the Biological and Management Sciences or
 MATH 191G (4) Calculus and Analytic Geometry I

Area III/IV. Laboratory & Social/Behavioral Sciences (11 credits)

BIOL 111G/L (4) Natural History of Life
 PHYS 110G (4) Great Ideas in Physics or
 PHYS 211G/L (4) General Physics I & Laboratory
 ECON 251G (3) Principles of Macroeconomics or
 ECON 252G (3) Principles of Microeconomics

Area V. Humanities (3 credits)

See Catalog for additional eligible courses

Area VI. Creative and Fine Arts (3 credits)

See Catalog for additional eligible courses

General Education Elective (3-4 credits)

BIOL 211G/L (4) Cellular and Organismal Biology

Viewing a Wider World (6 credits; 300-400 level)

3 credits can be taken inside the College of ACES, but 3 credits must also be taken outside the College of ACES or 9 credits can be taken within a single department (e.g. Biology) that is outside the College of ACES.

55 must be upper division and

66 must be from a 4-year degree granting institution

120 total credits required minimally

Departmental Requirements (25 credits)

AGRO 305 (3) or BIOL 305 (3) Principles of Genetics
 A ST 311G (3) Statistical Applications
 BIOL 322 (3) Zoology
 CHEM 111G (4) General Chemistry I
 CHEM 112G (4) General Chemistry II
 SOIL 252 (3) Soils & SOIL 252L (1) or GEOL 111G (4) Survey of Geology

Departmental Core Courses (29 credits)

FWCE 110G/L (4) Introduction to Natural Resources Management or FWCE 109 (3)
 Contemporary Issues in Wildlife and Natural Resources Management
 FWCE 255 (3) Principles of Fish and Wildlife Management
 FWCE 301 (3) Wildlife Ecology
 FWCE 330 (4) Natural History of the Vertebrates
 FWCE 391 (1) Internship
 FWCE 393 (3) Professional Experience and Communication
 FWCE 402 (1) Seminar in Natural Resource Management
 FWCE 409 (3) Introduction to Population Ecology
 FWCE 457 (3) Ecological Biometry
 FWCE 464 (4) Management of Aquatic and Terrestrial Ecosystems

Departmental Botany Requirement (9 credits)

BIOL 312 (3) Plant Taxonomy or RGSC 316 (3) Rangeland Plants
 BIOL 313 (3) Structure and Function of Plants
 BIOL 314 (3) Plant Physiology or RGSC 325 (3) Rangeland Restoration Ecology
 or RGSC 357 (3) Grass Taxonomy and Identification or
 RGSC 440 (3) Rangeland Resource Ecology

Departmental Physiology Requirement (3-4 credits; Select one)

EN CR

ANSC 370 (4) Anatomy and Physiology of Farm Animals
 BIOL 314 (3) Plant Physiology
 BIOL 381 (3) Animal Physiology
 FWCE 432 (4) Environmental Biology of Fishes

Wildlife Ecology & Management Option (5 Classes)

(1 Techniques, 1 Management, 2 Organismal, and 1 Aquatic Ecology)

Category 1 – Techniques

FWCE 355 (4) Wildlife Techniques and Analysis

Category 2 - Management

FWCE 436 (3) Large Mammal Ecology, Conservation and Management
 FWCE 437 (3) Wildlife Damage Management
 FWCE 447 (3) Wildlife Law and Policy
 RGSC 325 (3) Rangeland Restoration Ecology

Category 3 - Organismal Biology (at least one course must

be one of FWCE 430, FWCE 431, or FWCE 467)

BIOL 484 (3) Animal Communication
 EPWS 303 (4) Economic Entomology
 EPWS 462 (3) Parasitology
 FWCE 430 (4) Avian Field Ecology or BIOL 447 (4) Ornithology
 FWCE 431 (4) Mammalogy
 FWCE 440 (3) Wildlife Habitat Relationships
 FWCE 467 (4) Herpetology

Aquatic Ecology and Management Option (5 Classes)

(1 Techniques, 1 Management, 2 Organismal, and 1 Wildlife Ecology)

Category 1 – Techniques

FWCE 357 (4) Fisheries Management and Analysis

Category 2 - Management

FWCE 434 (4) Aquatic Contaminants and Toxicology
 FWCE 459 (4) Aquatic Ecology
 RGSC 318 (3) Watershed Management

Category 3 - Organismal Biology (at least one course must be either FWCE 467 or FWCE 482)

BIOL 465 (4) Invertebrate Zoology
 EPWS 462 (3) Parasitology
 FWCE 467 (4) Herpetology
 FWCE 482 (4) Ichthyology

Electives

ACES 111 (1) Freshmen Orientation
 BIOL 488 (3) Principles of Conservation Genetics
 FWCE 448 (1-3) Problems
 FWCE 450 (1-4) Special Topics
 FWCE 471 (4) GIS for Natural Resource Scientists
 FWCE 472 (1-4) Wildlife Museum Internship

Student's Signature: _____ Date: _____

Advisor's Signature: _____ Date: _____

Department Head's Signature: _____ Date: _____