Universiy Requirements

Area I. Communications (10 credits) EN CR
ENGL 111G (4) Rhetoric and Composition
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
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)

Area VI. Creative and Fine Arts (3 credits)

General Education Elective (3-4 credits)

Viewing a Wider World (6 credits; 300-400 level)
5 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)

Category 1 – Techniques
FWCE 357 (4) Fisheries Management and Analysis

Category 2 - Management
FWCE 434 (4) Aquatic Contaminants and Toxicoology
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)

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:

Revised 01/21/2019