

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		
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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		
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Area VI. Creative and Fine Arts (3 credits)

See Catalog for additional eligible courses		
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General Education Elective (3-4 credits)

BIOL 211G/L (4) Cellular and Organismal Biology		
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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.		
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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		
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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		
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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: _____
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Advisor's Signature: _____	Date: _____
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Department Head's Signature: _____	Date: _____
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