Fish, Wildlife and Conservation Ecology

College of Agricultural, Consumer and Environmental Sciences

DEGREE PLAN to graduate with HONORS- FALL 2015 ON

Name: _____

Banner ID: .

Option: -

University Requirements

Area I. Communications (10 credits)

	EN	CR
HON ENGL 111H (4) Rhetoric and Composition		
ENGL 218G (3) Technical and Scientific Communication or 318G (3) Advanced Technical and Scientific Communication		
HON 265G Principles of Human Comm. (3) or AXED 201G, COMM 253G, or COMM 265G		

Area II. Mathematics (3 credits)

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

Area III. Science, with Laboratory (8 credits)

BIOL 111G/L (4) Natural History of Life		
PHYS 110G (4) Great Ideas in Physics or PHYS 211G/L (4) General Physics and Laboratory		

Area IV. Social/Behavioral Sciences (6-9 credits; If 6 credits taken here, then need 9 credits in Area V or vice-versa; see Catalog)

Go to Honors College Site --> For Students --> Courses--> Area IV		
Choose those courses when registering for classes (6-9)		
ECON 251G (3) Principles of Macroeconomics or ECON 252G (3) Principles of Microeconomics		

Area V. Humanities & Fine Arts (6-9 credits; See stipulation above)

See Catalog (6-9 credits) for additional eligible courses		
Go to Honors College Site --> For Students --> Courses--> Area V		
Choose those courses when registering for classes (6-9)		

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.		
Go to Honors College Site --> For Students --> Courses--> VWW		
Choose those courses when registering for classes (3)		

55 must be upper division and

66 must be from a 4-year degree granting institution

124 total credits required minimally

18 of these credits must be Honors courses or courses by contract*

6-9 lower division and 6-9 upper division

Departmental Requirements

AGRO 305 (3) or BIOL 305 (3) Principles of Genetics		
A ST 311 G (3) Statistical Applications		
BIOL 211G/L (4) Cellular and Organismal Biology		
BIOL 322 (3) Zoology		
CHEM 111G (4) General Chemistry I		
CHEM 112G (4) General Chemistry II		
SOILS 252 (4) Soils or GEOL 111G (4) Survey of Geology		

Departmental Core Courses

FWCE 110 (4) Introduction to Natural Resource Management (off campus students can take FWCE 109 (3) distance education)		
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- option course by contract*		
FWCE 402 (1) Seminar in Natural Resource Management		
FWCE 409 (3) Introduction to Population Ecology		
FWCE 447 (3) Wildlife Law and Policy		
FWCE 457 (3) Ecological Biometry or BIOL 488 (3) Principles of Conservation Genetics		
FWCE 464 (4) Management of Aquatic and Terrestrial Ecosystems Taken as course by contract*		

Departmental Botany Requirement

BIOL 312 (3) Plant Taxonomy or RGSC 316 (3) Rangeland Plants		
BIOL 313 (3) Structure and Function of Plants		
BIOL 314 (3) Plant Physiol 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 (Select one)

	EN	CR
FWCE 432 (4) Environmental Biology of Fishes- option course by contract*		
FWCE 438 (3) Vertebrate Physiological Ecology		
ANSC 370 (4) Anatomy and Physiology of Farm Animals		
BIOL 314 (3) Plant Physiology		
BIOL 381 (3) Animal Physiology		

Wildlife Ecology& Management Option (5 Classes)

(1Techniques, 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 439 (3) Game Bird Ecology and Management		
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- option course by contract* or BIOL 447 (4) Ornithology		
FWCE 431 (4) Mammalogy- option course by contract*		
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- option course by contract*		
FWCE 459 (4) Aquatic Ecology- option course by contract*		
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- option course by contract*		
FWCE 482 (4) Ichthyology- option course by contract*		

Electives

ACES 111 (1) Freshmen Orientation		
FWCE 433 (3) Fisheries Management		
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		

*Honors Course by Contract: Non-Honors courses may count as upper level Honors courses by contracting the course. An Honors Contract is a mechanism for adding an "honors dimension" to a course that is not listed as an honors course. The contract allows honors students to convert a regular non-honors course into an honors course that counts toward graduation with University Honors.

Go to www.honors.nmsu.edu/for-students/honors-courses-by-contract/ for more information.

Student's Signature: Date:

Advisor's Signature: Date:

Department Head's Signature: Date:

Revised 10/2017