



Imagine helping manage, conserve, and restore private and public lands for multiple uses including wildlife habitat, water, grazing, recreation and aesthetics!

Make an appointment with one of our faculty advisers to learn more about our grassland ecology and management major.



Contact Information

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College of Agricultural Sciences
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Career Path

Grassland Ecologist, Wildlife Habitat Manager, Range Conservationist, Environmental Consultant, Invasive Species Biologist, Environmental Educator, Manager of Public or Private Lands, and Research Technician

Special Emphasis Courses

Grassland Conservation: Planning and Management, Ecosystem Monitoring and Assessment, Great Plains Ecosystems, Wildland Plants, Wildlife Ecology and Management, Range Management and Improvement, Natural Resources Policy, Geographic Information Systems, and Integrated Resource Management

Internships Available

The Nature Conservancy (TNC), U.S. Natural Resources Conservation Service, Nebraska Game and Parks Commission, U.S. Forest Service, World Wildlife Fund (WWF), U.S. Bureau of Land Management, Audubon Society, Crane Trust, University Research Programs, and Ranches

Grassland Ecology and Management Major Requirements
2015-2016 Required Courses
UNL College of Agricultural Sciences and Natural Resources

COLLEGE INTEGRATIVE COURSES 6 Hours

REQUIREMENT	Hrs
NRES 103/AGRI 103 Introduction to Agricultural & Natural Resource Systems	3
RNGE 445 Livestock Management on Range & Pasture or NRES 423 Integrated Resource Management (Capstone)	3

MATHEMATICS AND STATISTICS 5-8 Hours

ACE 3: Select one course beyond college algebra: MATH 102 Trigonometry (2 cr) or MATH 103 College Algebra & Trigonometry (5 cr) Only 2 hours of MATH 103 will count toward this requirement or MATH 104 Applied Calculus (3 cr) or MATH 106 Analytical Calculus I (5 cr)	2-5
STAT 218 Intro to Statistics	3

COMMUNICATIONS COURSES 9 Hours

ACE 1 : Written: Select from: ENGL 150, 151, 254; JGEN 120, 200, 300	3
ACE 2: Oral: COMM 109, 209, or 286	3
Communication/Interpersonal Skills Elective Select from: NRES 260 is strongly recommended - ALEC 102, ENGL 150, 151, 252, 253, 254; JGEN 120, 200, 300; COMM 109, 209, 212, 286	3

NATURAL RESOURCES COURSES 16-17 Hours

SOIL 153 Soil Resources	4
NRES 220 Principles of Ecology	3
AECN 265 Resource & Environmental Economics I	3
NRES 312 Introduction to Geospatial Information Sciences or NRES 412 Introduction to Geographic Information Systems	3-4
NRES 323 Natural Resources Policy	3

HUMANITIES & SOCIAL SCIENCE COURSES 15 Hours

ACE 5 course (history, humanities)	3
ACE 6: AECN 141 Introduction to the Economics of Agriculture	3
ACE 7 course (arts)	3
ACE 8 course (ethics, stewardship)	3
ACE 9 (Global awareness)	3

NATURAL AND PHYSICAL SCIENCE COURSES 20 Hours

ACE 4: BIOS 101 & 101L Introduction to Biology/Lab or LIFE 120 & 120L Fundamentals of Biology I & Lab	4
BIOS 109 Botany	4
ACE 4: Select from one of the following chemistry sequences: CHEM 105 Chemistry and the Citizen CHEM 106 Chemistry and the Citizen II OR CHEM 109 General Chemistry I CHEM 110 General Chemistry II	8
ACE 4: MSYM 109 Physical Principles in Agriculture & Life Sciences	4

SPECIFIC MAJOR REQUIREMENTS

GRASSLAND RESOURCES 13 Hours

RNGE 240 Forage Crop & Range Management	4
RNGE 340 Range Management & Improvement	3
RNGE 440 Great Plains Ecosystem	3
RNGE 442 Wildland Plants	3

NATURAL RESOURCES & SCIENCES 18 Hours

NRES 211 Intro to Conservation Biology or NRES 311 Wildlife Ecology & Management	3
NRES 281 Intro to Water Science	3
AGRO 315 Genetics	4
AGRO 325 Introductory Plant Physiology	4
SOIL 477 Great Plains Field Pedology	4

INVENTORY AND POLICY 6 Hours

RNGE 444 Ecosystem Monitoring & Assessment	3
AECN 388 Ethics in Agriculture & Natural Resources	3

Major Requirements: 108-112

Free Electives: 8-12 Hours

Credits Required to Graduate: 120