



From helping preserve habitat while improving economic opportunities to designing nature reserves, you can realize your career goals helping threatened and endangered species through our conservation biology option.

Make an appointment to learn more about options in our fisheries and wildlife major.

Contact Information

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Career Path

Conservation Geneticist, Research Biologist, Restoration Ecologist, Refuge Manager, Endangered Species Manager, Park Ranger, Environmental Education, Zoo Animal Keeper

Special Emphasis Courses

Conservation Biology, Genetics, Wildlife Ecology and Management, Fisheries Biology, Wildlife Management Techniques, Biology of Wildlife Populations, Tropical Ecology, Ecology of Southern Africa

Internships Available

Our students have enjoyed internships with the Nature Conservancy, the National Park Service, Omaha's Henry Doorly Zoo and Aquarium, the Tern and Plover Conservation Partnership, the Platte River Whooping Crane Trust and other state and federal agencies.

Fisheries and Wildlife Major Requirements

CONSERVATION BIOLOGY OPTION

2017-2018 Required Courses

UNL College of Agricultural Sciences and Natural Resources

Bolded **credit hours** indicate the number of credits needed for that subject area. The classes listed below are the available options for that subject area and how many credit hours each class is worth.

Required Courses

Capstone Course **4 credit hours**

NRES 433 Wildlife Management Techniques & NRES 233 Wildlife Field Techniques (capstone experience) (ACE 10)	4
NRES 463 & NRES 463L Fisheries Science & Lab (capstone experience) (ACE 10)	4

Conservation **6 credit hours**

NRES 211 Introduction to Conservation Biology	3
BIOS 416 Biodiversity Conservation	3

Zoology **4 credit hours**

BIOS 381 Invertebrate Zoology	4
NRES 386 Vertebrate Zoology (BIOS 386)	4

Career Experience **1-3 credit hours**

NRES 399 Independent Research	1-5
NRES 496 Independent Study	1-5
NRES 497 Career Experiences in Natural Resource Sciences	1-6
NRES 499 Thesis Research	3-6
NRES 499H Honors Thesis	3-6

Animal Course **4 credit hours**

BIOS 475 Ornithology	3
BIOS 487 Field Parasitology	4
ENTO 402 & ENTO 402L Aquatic Insects & Lab (BIOS 485/NRES 402)	3
ENTO 411 Field Entomology (BIOS 482)	4
NRES 464 Fisheries Biology (BIOS 464)	3
NRES 474 Herpetology (BIOS 474)	4
NRES 476 Mammalogy (BIOS 476)	4
NRES 489 Ichthyology (BIOS 489)	4

Human Dimensions and Policy Courses **3 credit hours**

SOCI 346 Environmental Sociology	3
SOCI 444 Social Demography	3
ANTH 473 Ecological Anthropology	3
ANTH 474 Applied & Development Anthropology	3
PHIL 225 Environmental Ethics	3
AECN 265 Resource & Environmental Economics I (NREE 265)	3
AECN 357 Natural Resource & Environmental Law (NREE 357)	3
AECN 388 Ethics in Agriculture & Natural Resources (ALEC 388)	3
NREE 456 Environmental Law (AECN 456)	3
NREE 457 Water Law (AECN 457/WATS 457)	3

NOTE: This requirement can not be used to satisfy the Natural Resource Policy course requirement. Students in the Conservation Biology option must take this requirement in addition to the NR Policy course requirement.

NOTE: Students should select sociology or other social science courses for their ACE requirements to meet pre-requisites for these upper level SOCI or ANTH courses.

Required Courses

Plant Course **3-4 credit hours**

NRES 245 Introduction to Grassland Ecology & Management (AGRO 245)	3
AGRO 440 Great Plains Ecosystem (NRES 440/RNGE 440)	3
AGRO 442 Wildland Plants (NRES 442/RNGE 442)	3
NRES 310 Introduction to Forest Management	4
NRES 424 Forest Ecology	4
NRES 426 Invasive Plants (AGRO 426/HORT 426)	3

Geographic Information Science (GIS) **2-4 credit hours**

NRES 312 Introduction to Geospatial Information Sciences (GEOG 312)	3
NRES 412 Introduction to Geographic Information Systems (GEOG 412)	4
NRES 418 Introduction to Remote Sensing (GEOG 418)	4
NRES 427 Introduction to the Global Positioning System (GPS) (GEOG 427)	2
NRES 420 Applications of Remote Sensing in Agriculture & Natural Resources (AGRO 419/GEOG 419/GEOL 419)	4

Optional Electives

22 credit hours

AGRO 489 Urbanization of Rural Landscapes (CRPL 489/HORT 489)	3
BIOS 462 Animal Behavior	3
BIOS 468 Field Animal Behavior	5
BIOS 472 Evolution	3
BIOS 487 Field Parasitology	5
NRES 208 Applied Climate Sciences	3
NRES 270 Biological Invaders (AGRO 270/HORT 270/PLPT 270)	3
NRES 308 Biogeography (GEOG 308/GEOL 308)	3
NRES 348 Wildlife Damage Management	3
NRES 388 Employment Seminar (AGRI 388)	1
NRES 413 Environmental Leadership (ALEC 410)	3
NRES 423 Integrated Resources Management	3
NRES 428 Leadership in Public Organizations (ALEC 428)	3
NRES 434 Environmental Education & Interpretation (ENVR 434)	3
NRES 459 Limnology (BIOS 459/WATS 459)	4
NRES 489 Ichthyology (BIOS 489)	4
NRES 492 International Study Tours in Natural Resource Management	1-3
NRES 495 Grasslands Seminar (AGRO 495, ENTO 495, GRAS 495, HORT 495, RNGE 495, SOIL 495)	1-2