

PH.D. IN ECOLOGY, HUMAN-ENVIRONMENT INTERACTIONS SPECIALIZATION

Requirements Effective Fall 2024

Code	Title	Credits
COMMON CORE COURSES		
ANTH 530	Human-Environment Interactions	3
ECOL 505	Foundations of Ecology	3
ECOL 571	Advanced Topics in Ecology ¹	2
ECOL 592	Interdisciplinary Seminar in Ecology ¹	2
ECOLOGICAL SUBDISCIPLINES		6
Take a minimum of 6 credits not taken elsewhere in the program from courses in a subdiscipline of ecology. Students are encouraged to explore options across departments. Example courses include the following:		
ANTH 575	Paleoecology	
BZ 525	Advanced Conservation & Evolutionary Genomics	
BZ 526/BSPM 526	Evolutionary Ecology	
BZ 548	Theory of Population and Evolutionary Ecology	
BZ 535	Behavioral and Cognitive Ecology	
ECOL 600	Community Ecology	
ECOL 610	Ecosystem Ecology	
ECOL 620	Applications in Landscape Ecology	
ESS 660	Biogeochemical Cycling in Ecosystems	
F 610	Advanced Forest Ecology	
FW 562	Fish and Wildlife Population Dynamics	
HUMAN-ENVIRONMENT INTERACTIONS		3
Take a minimum of 3 credits to expand expertise in human-environment interactions. Example courses include the following:		
ANTH 515	Culture and Environment	
ANTH 529	Anthropology and Sustainable Development	
ANTH 535	Globalization and Culture Change	
ANTH 540	Medical Anthropology	
ANTH 545	Global Mental Health—Theory and Method	
ANTH 555	Paleoindian Archaeology	
ANTH 571	Anthropology and Global Health	
ANTH 572	Human Origins	
NR 625	Community-Based Natural Resource Management	
POLS 739	International Environmental Politics	
SOC 668	Environmental Sociology	
ECOLOGICAL TOOLS		3

Take a minimum of 3 credits of any ecologically-relevant quantitative or qualitative course, as determined by student and committee. Students are encouraged to explore options across departments. Example courses include the following:

ESS 575	Models for Ecological Data
FW 663	Sampling & Analysis Vertebrate Populations
FW 673/STAT 673	Hierarchical Modeling in Ecology
NR 512	Spatial Statistical Modeling-Natural Resources
NR 523/STAT 523	Quantitative Spatial Analysis
STAR 511	Design and Data Analysis for Researchers I
STAR 512	Design and Data Analysis for Researchers II
EDRM 704	Qualitative Research
EDRM 706	Analysis of Variance—Education Research
POLS 621	Qualitative Methods in Political Science
SOC 610	Seminar in Methods of Qualitative Analysis

PROFESSIONAL SKILLS 1

Take a minimum of 1 credit of a course (or workshop such as through TILT or the Graduate School combined with a credit of Independent Study (ECOL 695) that will enhance the student's professional development and/or skills based on professional goals, as determined by student and committee. Students are encouraged to explore options across departments and programs. Example courses include the following:

BZ 560	Teaching and Communicating Science
ECOL 693	Research Seminar
ECOL 695	Independent Study
GRAD 544	Ethical Conduct of Research

DISSERTATION 1

Take a minimum of one credit:

ECOL 799	Dissertation
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ELECTIVES 48
Additional relevant coursework and credits as determined by student and committee to meet the minimum Graduate School Credit Requirements of 72 credits total. Students are encouraged to explore options across departments and programs.

Program Total Credits: 72

A minimum of 72 credits are required to complete this program.

¹ Take one 2-credit offering or two 1-credit offerings; minimum 2 credits total to graduate.