

Kansas State University

Environmental Science Degree Requirements

Effective Fall 2022

Double Major or Minor(s)

Name _____
 WID _____
 Career _____

Basic Requirements	Semester	Grade		
ENGL 100 - Expository Writing I (3)	_____	_____		
ENGL 200 - Expository Writing II (3)	_____	_____		
COMM 105 or 106 Public Speaking (2-3)	_____	_____		
Humanities*	Course	Credits	Semester	Grade
Fine Arts	_____	2 or 3	_____	_____
Philosophy	_____	3	_____	_____
Western Heritage	_____	3	_____	_____
Literary or Rhetorical Arts	_____	3	_____	_____
U.S. Multicultural Overlay (can double count)	_____	3	_____	_____
Social Sciences	Credits	Semester	Grade	
Economics Course (Choose 1)	3	_____	_____	
ECON 110 - Principles of Macroeconomics				
ECON 120 - Principles of Microeconomics				
AGEC 120 - Agricultural Economics and Agribusiness				
GEOG 508 - Geographic Information Systems I (S)	4	_____	_____	
SOCIO 536 - Society and Natural Resources	3	_____	_____	

Fundamental science and math			
Course Name	Semester	Grade	Substitution (if applicable)
MATH 205 - General Calculus and Linear Algebra (3)	_____	_____	_____
PHYS 101 - The Physical World (3)	_____	_____	_____
PHYS 103 - The Physical World Laboratory (1)	_____	_____	_____
STAT 325 - Introduction to Statistics (3)	_____	_____	_____
CHM 110 - General Chemistry (3)	_____	_____	_____
CHM 111 - General Chemistry Laboratory (1)	_____	_____	_____

Environmental foundations		
Course Name	Semester	Grade
AGRON 305 - Soils (3) and AGRON 306 - Lab (1)	_____	_____
BIOL 198 - Principles of Biology (4)	_____	_____
GEOG 121 - Introductory Physical Geography: Earth Systems Science (3) and GEOG 122 - Lab (1)	_____	_____
GEOL 100 - Earth in Action or GEOL 115 Environmental Geology (3)	_____	_____
GEOL 103 - Geology Laboratory (1)	_____	_____

*NOTE for AGRON double majors: enroll in UDual to remove 2 humanities. Choose between Fine Arts, Western Heritage and Literary Arts.

Environmental Sciences Core

Introduction to ENSCI	Semester	Grade
ENSCI 101 - Introduction to Environmental Sci. (1) (F)	_____	_____
Natural Environmental Systems	Semester	Grade
Atmosphere (choose 1)	_____	_____
AGRON 700 - Agricultural Meteorology (3) (FE)		
GEOG 535 - Global Climatology and Climate Change (4) (S)		
GEOL 540 - Geological Record of Climate Change (S)		
Biosphere (choose 1)	_____	_____
AGRON 645 - Soil Microbiology (3) (F)		
BIOL 529 - Ecology (3)		
BIOL 687 - Microbial Ecology (3) (S)		
GEOG 445 - Biogeography (3) (S)		
GEOL 650 - Geomicrobiology (3) (S)		
Geosphere (choose 1)	_____	_____
AGRON 515 - Soil Genesis and Classification (3) (S)		
GEOG 440 - Spatial Analysis of Surface Water Hydro (3) (S)		
GEOL 502 - Mineralogy (3) (F)		
Hydrosphere (choose 1)	_____	_____
BIOL 612 - Freshwater Ecology (4) (FE)		
GEOL 611 - Hydrogeology (3) (S)		
ATM 558 - Hydrology and Soil Erosion Management (3) (S)		
ATM 661 - Watershed Assessment and Management (3)(F)		
Individual Experiential Learning	Semester	Grade
<i>Choose 1</i>	_____	_____
Internship course codes: ENSCI 410, AGRON 405, BIOL 695, or GEOG 610		
Research course codes: AGRON 598, BIOL 698, GENAG 515, GEOG 497 or 709, GEOL 599 or 680		
Capstone	Semester	Grade
DAS 582 or GENAG 582 (plan for final semester)	_____	_____
Humans and the Environment	Semester	Grade
Social Systems (choose 1)	_____	_____
AGCOM 712 - Environmental Communications (3) (S)		
AGEC 525 - Natural Resource and Env. Econ. (3) (F)		
AT/ID 350 - Our Sustainable World (3)		
ECON 527 - Environmental Economics (3)		
GEOG 360 - Sustainability Concepts & Issues (3) (S)		
GEOG 370 - Environmental Justice (3) (S)		
GEOG 770 - Perception of the Environment (3) (SO)		
HIST 511 - Environmental History (3) (Rare)		
POLSC 250 - Environmental Political Thought (3) (S, U)		
PMC 635 - Methods of Environmental Interpretation (3) (F)		
Ethics (choose 1)	_____	_____
LAR 322 - Ethics and Environmental Dilemmas (3) (S)		
PHILO 595 - Environmental Ethics (3)		
Human-Environment Interactions (choose 2)	_____	_____
AGRON 335 - Environmental Quality (3) (F)		
AGRON 695 - Climate Change and Agriculture (3) (SO)		
ANTH 310 - Env. Anthropology: Living with Change (3) (F)		
BIOL 303 - Ecology of Environmental Problems (3) (F)		
BIOL 435 - Environmental Biology (3) (S)		
CHM 315 - Environ. Science: A chemistry perspective (3) (F)		
GEOG 340 - Natural Resources (3) (F)		
GEOG 460 - Human Dimensions of Global Change (3) (F)		
GEOG 761 - Human Impact on the Environment (3) (S)		
GEOL 105 - Oceanography (S) or GEOL 125 Nat. Disasters (3)		
PMC 275 - Intro. to Natural Resource Management (3) (F)		

Year 1

Fall	Credits	Notes	Spring	Credits	Notes	Summer	Credits	Notes
Total			Total			Total		

Year 2

Fall	Credits	Notes	Spring	Credits	Notes	Summer	Credits	Notes
Total			Total			Total		

Year 3

Fall	Credits	Notes	Spring	Credits	Notes	Summer	Credits	Notes
Total			Total			Total		

Year 4

Fall	Credits	Notes	Spring	Credits	Notes	Summer	Credits	Notes
Total			Total			Total		