ENVIRONMENTAL SOIL SCIENCE

PLSC 102 or FOR 221 (F) The Science of Plants in Agricul-

2023/2024 Four-Year Plan

MATH 160 or 170 Math Core (Test Scores/MATH 143)

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

YEAR 1 • FALL

YEAR 2 • FALL

YEAR 3 • FALL

ture or Principles of Ecology		Ž		
ELECTIVE General Education	6	PRI	ELECTIVE General Education	2
ENGL 101 Introduction to College Writing (Test Scores, ENGL 109)	3	• SF	CHEM 111/111L Principles of Chemistry I (Test Scores/CHEM 101/MATH 143)	4
MATH 143 Pre-Calculus (Test Scores/MATH 108)	3	2	ENGL 102 College Writing & Rhetoric (Test Scores/ENGL 101)	3
		EA	ELECTIVE General Education	3
TOTAL CREDITS	15		TOTAL CREDITS	16
CHEM 112/112L Principles of Chemistry II (CHEM 111)	5	ЪNG	PHYS 112/112L General Physics II (PHYS 111)	4
GEOL 385 GIS Primer	3	SPRING	CHEM 275 or 277 Carbon Compounds or Organic Chemistry (CHEM 111 or 112)	3
PHYS 111/111L General Physics I (MATH 143)	4	N	BIOL 115/115L Cells & Evolution of Life (CHEM 101 or 111)	4
GEOL 111/111L Physical Geology for Science Majors	4	~	SOIL 205/206 The Soil Ecosystem (CHEM 111)	4
		EA		
TOTAL CREDITS	16		TOTAL CREDITS	15
ASM 315 (F, Odd Years) Irrigation Systems & Water Management (SOIL 205, MATH CORE)	3	PRING	ELECTIVE Soil	3
EPPN 154/155 Microbiology & the World Around Us (BIOL 115)	4	PRI	SOIL 438 (S) Pesticides in the Environment	3
SOIL 415 (F, Odd Years) Soil & Environmental Physics	3	• SI	ELECTIVE General Education	6
ELECTIVE General Education	3	က	SOIL 422 (S, Even Years) Environmental Soil Chemistry	3
ENGL 313 or 317 Business or Technical Writing (ENGL 102; Sophomore or Junior)	3	EAR		
TOTAL CREDITS	16		TOTAL CREDITS	13
STAT 251 Statistical Methods (MATH 108, 143, 160 or 170)	3	G	SOIL 400 (S) Seminar	1
SOIL 454 (F) Pedology	3	SIN SIN	SOIL 425 (S, Odd Years) Microbial Ecology (BIOL 250)	3
ELECTIVE Soil	3	SPRING	SOIL 446 (S) Soil Fertility	3
AGED 406 (F) or SOC 350 Exploring International Ag (Ir/Sr; AGED 180, ASM 112 or SOIL 205) or Food, Culture & Society (SOC 101	6	4	ELECTIVE Soil	3
		AR	SOIL 438 Pesticides in the Environment	3
TOTAL CREDITS	15	×	TOTAL CREDITS	14

3

(5

COURSE # Course Name (Prerequisites, Co-Requisites)

F = FALL, S = SPRING

4



University of Idaho College of Agricultural and Life Sciences



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ENVIRONMENTALSOILSCIENCE

Gain the knowledge required to manage crop, forest, rangeland and urban soils for long-term health and sustainability. Explore the fields of soil chemistry, soil physics, microbial ecology, bioremediation, soil genesis and soil fertility/plant nutrition. Gain hands-on experience working in laboratories, greenhouses and on research farms.

Career Options

- Soil and Plant Scientist
- Soil and Water Conservationist
- Environmental Scientist
- Natural Resources Manager
- Water Resource Specialist
- Environmental Compliance Inspector



Fast Facts

- Home to the largest collection of soil monoliths in the Western U.S.
- Hands-on experience at on-campus plant science farms and computer-controlled greenhouses.
- Complete an independent study.
- Get involved with the Plant and Soil Science Club, Soil Stewards or the U of I Soil Judging team.
- Conduct an undergraduate research project.



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