3

3

3

ENVIRONMENTAL SOIL SCIENCE (B.S.S.W.S.)

Required course work includes the university requirements (see regulation J-3 (https://catalog.uidaho.edu/general-requirementsacademic-procedures/j-general-requirements-baccalaureate-degrees/ #j3)) and:

Fall Term 2 CHEM 1120

CHEM 1120L

GEOG 3850

PHYS 1111

PHYS 1111L

GEOL 1110

General Chemistry II

Foundations of GIS

General Physics I General Physics I Lab

General Chemistry II Laboratory

Physical Geology for Science Majors

Code	Title	Hours
Soil and Water Sy AGED 4060		2
or AGED 4070	Exploring International Agriculture Global Agricultural & Life Sciences Systems	3
or SOC 3500	Food, Culture, and Society	
ASM 3150	Irrigation Systems and Water Management	3
ENGL 3130	Business Writing	3
or ENGL 3160	Environmental Writing	3
or ENGL 3170	· ·	
GEOG 3850	Foundations of GIS	3
MATH 1143	Precalculus I: Algebra	3
PLSC 1020	The Science of Plants in Agriculture	3
or FOR 2100	Principles of Ecology	3
SOIL 1010	Soil, Health, and Climate	1
SOIL 2050	The Soil Ecosystem	3
SOIL 2060	The Soil Ecosystem Lab	1
SOIL 4380	Pesticides in the Environment	3
STAT 2510	Statistical Methods	3
	il Science Courses	J
BIOL 1140	Organisms and Environments	4
or BIOL 1150	Cells and the Evolution of Life	
& 1150L	and Cells and the Evolution of Life Laboratory	
CHEM 1111	General Chemistry I	3
CHEM 1111L	General Chemistry I Laboratory	1
CHEM 1120	General Chemistry II	4
CHEM 1120L	General Chemistry II Laboratory	1
CHEM 2750	Carbon Compounds	3
or CHEM 2770	Organic Chemistry I	
or PHYS 1112	General Physics II	
& 1112L	and General Physics II Lab	
EPPN 1540 & EPPN 1550	Microbiology and the World Around Us and Microbiology and the World Around Us: Laboratory	4
or BIOL 2500	General Microbiology	
& BIOL 2550	and General Microbiology Lab	
GEOL 1110	Physical Geology for Science Majors	3
& GEOL 1101L	and Physical Geology Lab	
	Physical Geology for Science Majors Lab	
GEOL 1101L	Physical Geology Lab	1
	Physical Geology for Science Majors Lab	
MATH 1160	Survey of Calculus	4
or MATH 1170		
PHYS 1111	General Physics I	3
PHYS 1111L	General Physics I Lab	1
SOIL 4000	Seminar	1

SOIL 4150	Soil and Environmental Physics	3
SOIL 4220		3
	Environmental Soil Chemistry	
SOIL 4250	Microbial Ecology	3
SOIL 4340	Landscape Nutrient Management	3
SOIL 4460	Soil Fertility	3
SOIL 4540	Pedology	3
SOIL 4560	North Idaho Field Trip	1
Experiential Experie	ence Electives:	2
SOIL 2990	Directed Study	
SOIL 3980	Internship	
SOIL 4170	Market Garden Practicum	
SOIL 4580	Soil and Site Evaluation	
	ctives and Applications of Soils Electives:	9
ASM 4760	Remote Sensing Application with Unmanned Aerial Systems (UAS)	J
ENVS 4790	Introduction to Environmental Regulations	
FOR 1400	Introduction to Forest Management	
GEOG 3130	Global Climate Change	
NRS 1250	Introduction to Conservation and Natural	
	Resources	
NRS 3860	Managing Complex Environmental Systems	
NRS 4760	Environmental Project Management and Decision Making	
PLSC 3070	Agronomy	
REM 4510	Rangeland Issues and Management Principles	
SOIL 1200	Introduction to Water Science and Management	
SOIL 4360	Principles of Sustainability	
SOIL 4520	Environmental Water Quality	
Total Hours		92
iotai nouis		92
Courses to total 12	20 credits for this degree	
Fall Term 1	н	ours
ENGL 1101	Writing and Rhetoric I	3
MATH 1143	Precalculus I: Algebra	3
SOIL 1200	Introduction to Water Science and Management (Recommended)	2
PLSC 1020 OR FOR 210	0	3
	Ways of Knowing Course	3
Oral Communication Co		3
	Hours	17
Spring Term 1	Caparal Chamietry I	2
CHEM 1111 CHEM 1111L	General Chemistry I General Chemistry I Laboratory	3
ENGL 1102	Writing and Rhetoric II	3
MATH 1160 OR MATH 1	•	4
Social and Behavioral W		3
SOIL 1010	Soil, Health, and Climate	1
	Hours	15

	Hours	16
Spring Term 2		
	150 AND BIOL 1150L)	4
	7 2770 OR (PHYS 1112 AND PHYS 1112L)	3
SOIL 2050	The Soil Ecosystem	3
SOIL 2060	The Soil Ecosystem Lab	1
	1790 OR FOR 1400 OR GEOG 3130 OR NRS 1250 OR	3
	60 OR PLSC 3070 OR REM 4510 OR SOIL 1200 OR SOIL 4360	
F-II.T 0	Hours	14
Fall Term 3	Imination Custome and Water Management	2
ASM 3150	Irrigation Systems and Water Management	3
EPPN 1540 or BIOL 2500	Microbiology and the World Around Us or General Microbiology	3
EPPN 1550	Microbiology and the World Around Us: Laboratory	1
or BIOL 2550	or General Microbiology Lab	
SOIL 4150	Soil and Environmental Physics	3
ENGL 3130 OR ENGL		3
Humanistic and Artist	tic Ways of Knowing Course	3
	Hours	16
Spring Term 3		
SOIL 4220	Environmental Soil Chemistry	3
SOIL 4340	Landscape Nutrient Management	3
SOIL 4560	North Idaho Field Trip	1
	1790 OR FOR 1400 OR GEOG 3130 OR NRS 1250 OR	2
	60 OR PLSC 3070 OR REM 4510 OR SOIL 1200 OR SOIL 4360	_
American Experience	Course	3
Social and Behavioral	Ways of Knowing Course	3
	Hours	15
Fall Term 4		
SOIL 4540	Pedology	3
STAT 2510	Statistical Methods	3
AGED 4060 OR AGED	4070 OR SOC 3500	3
SOIL 2990 OR SOIL 3980 OR SOIL 4170 OR SOIL 4580		2
	1790 OR FOR 1400 OR GEOG 3130 OR NRS 1250 OR 60 OR PLSC 3070 OR REM 4510 OR SOIL 1200 OR SOIL 4360	3
	Hours	14
Spring Term 4	110410	
SOIL 4000	Seminar	1
SOIL 4250	Microbial Ecology	3
SOIL 4460	Soil Fertility	3
SOIL 4380	Pesticides in the Environment	3
International Course		3

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

- Students demonstrate knowledge of the physical, biological and chemical principles that determine function in soil and water systems.
- 2. Students can effectively communicate science-based data to a variety of audiences.

3. Students gain experiential experience in applying their knowledge through internships and participating in student organizations.