

WATER SCIENCE AND MANAGEMENT (B.S.S.W.S.)

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

Code	Title	Hours
AGED 406 or SOC 350 or ANTH 350	Exploring International Agriculture Food, Culture, and Society Food, Culture, and Society	3
ASM 305	GPS and Precision Agriculture	3
ASM 315	Irrigation Systems and Water Management	3
BIOL 115 & 115L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	4
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	4
CHEM 112 & 112L	General Chemistry II and General Chemistry II Laboratory	5
ENGL 101	Writing and Rhetoric I	3
ENGL 102	Writing and Rhetoric II	3
ENGL 313 or ENGL 317	Business Writing Technical Writing II	3
FIRE 326	Fire Ecology	3
GEOG 385 or FOR 375	Foundations of GIS Fundamentals of Geomatics	3
GEOG 424 or GEOG 475 or FOR 472	Hydrologic Applications of GIS and Remote Sensing Intermediate GIS Remote Sensing of the Environment	3
GEOL 111 & 111L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	4
GEOL 309	Ground Water Hydrology	3
GEOL 410	Groundwater Field Methods	3
HYDR 409 or HYDR 412	Quantitative Hydrogeology Environmental Hydrogeology	3
MATH 143	College Algebra	3
MATH 144	Analytic Trigonometry	1
MATH 170	Calculus I	4
MATH 175	Calculus II	4
PHYS 111 & 111L	General Physics I and General Physics I Lab	4
PHYS 112 & 112L	General Physics II and General Physics II Lab	4
PLSC 102 or FOR 221	The Science of Plants in Agriculture Principles of Ecology	3
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
SOIL 415	Soil and Environmental Physics	3
SOIL 422	Environmental Soil Chemistry	3
SOIL 438	Pesticides in the Environment	3
SOIL 446	Soil Fertility	2

SOIL 450 or ENVS 450	Environmental Hydrology Environmental Hydrology	3
SOIL 452	Environmental Water Quality	3
STAT 251	Statistical Methods	3

Total Hours **100**

Courses to total 120 credits for this degree

Fall Term 1		Hours
ENGL 101	Writing and Rhetoric I	3
GEOL 111	Physical Geology for Science Majors	3
GEOL 111L	Physical Geology for Science Majors Lab	1
MATH 143	College Algebra	3
MATH 144	Analytic Trigonometry	1
COMM 101	Fundamentals of Oral Communication	3
Social and Behavioral Ways of Knowing Course		3
Hours		17
Spring Term 1		
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Laboratory	1
MATH 170	Calculus I	4
ENGL 102	Writing and Rhetoric II	3
Humanistic and Artistic Ways of Knowing Course		3
Hours		14
Fall Term 2		
BIOL 115	Cells and the Evolution of Life	3
BIOL 115L	Cells and the Evolution of Life Laboratory	1
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Laboratory	1
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
PLSC 102 OR FOR 221		3
Hours		16
Spring Term 2		
MATH 175	Calculus II	4
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
STAT 251	Statistical Methods	3
Hours		15
Fall Term 3		
ASM 315	Irrigation Systems and Water Management	3
GEOL 309	Ground Water Hydrology	3
SOIL 415	Soil and Environmental Physics	3
ENGL 313 OR ENGL 317		3
Social and Behavioral Ways of Knowing Course		3
Hours		15
Spring Term 3		
SOIL 422	Environmental Soil Chemistry	3
SOIL 438	Pesticides in the Environment	3
GEOG 385 OR FOR 375		3
AGED 406 OR SOC 350 OR ANTH 350		3
Humanistic and Artistic Ways of Knowing Course		3
Hours		15
Fall Term 4		
ASM 305	GPS and Precision Agriculture	3
GEOL 410	Groundwater Field Methods	3
SOIL 450 OR ENVS 450		3
SOIL 452		3

American Diversity or International Course	3
Hours	15
Spring Term 4	
SOIL 446 Soil Fertility	3
HYDR 409 OR HYDR 412	3
FIRE 326 OR FOR 462 OR FISH 415	3
FOR 472 OR GEOG 424 OR GEOG 475	3
Elective Course	1
Hours	13
Total Hours	120

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.

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