

# CROP SCIENCE AND MANAGEMENT (B.S.PL.SC.)

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 AGED 407	Exploring International Agriculture Global Agricultural & Life Sciences Systems	3
BIOL 115 & 115L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	4
PLSC 102	The Science of Plants in Agriculture	3
PLSC 400	Seminar	1
SOIL 205	The Soil Ecosystem	3
Select one of the following:		4-5
BIOL 250 & BIOL 255	General Microbiology and General Microbiology Lab	
EPPN 154 & EPPN 155	Microbiology and the World Around Us and Microbiology and the World Around Us: Laboratory	
Select one of the following:		4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following:		3
ENGL 313	Business Writing	
ENGL 317	Technical Writing II	
Select one of the following:		3-4
MATH 143	College Algebra	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
Select one of the following:		3
PLSC 398	Internship	
PLSC 402	Undergraduate Research in Plant Science	
PLSC 499	Directed Study	
<b>Crop Science Courses</b>		
CHEM 275	Carbon Compounds	3
ENT 322	General and Applied Entomology	4
GENE 314	General Genetics	3
PLSC 207	Introduction to Biotechnology	3
PLSC 338	Organic and Conventional Weed Management	4
PLSC 401	Plant Physiology	3
PLSC 407	Field Crop Production	3
PLP 415	Plant Pathology	3
PLP 416	Plant Pathology Lab	1
PLSC 438	Pesticides in the Environment	3
PLSC 446	Plant Breeding	3
PLSC 480	Field Trip	1
SOIL 206	The Soil Ecosystem Lab	1
SOIL 446	Soil Fertility	1-3

STAT 251	Statistical Methods	3
Select 12 credits of Crop Science electives from the following:		12
PLSC 201	Principles of Horticulture	
PLSC 205	General Botany	
PLSC 300	Plant Propagation	
PLSC 398	Internship	
PLSC 408	Cereal Science	
PLSC 410	Invasive Plant Biology	
PLSC 433	Plant Tissue Culture Techniques	
PLSC 440	Advanced Laboratory Techniques	
PLSC 444	Forage and Grassland Management	
PLSC 451	Vegetable Crops	
PLSC 488	Genetic Engineering	
PLSC 490	Potato Science	
Select 6 credits of Professional Support electives from the following:		6
AGEC 278	Farm and Agribusiness Management	
AGEC 289	Agricultural Markets and Prices	
AGEC 302	Managerial Economics: Consumption & Markets	
AGEC 356	Agricultural and Rural Policy	
AGEC 447	International Development Economics	
ASM 107	Beginning Welding	
ASM 305	GPS and Precision Agriculture	
ASM 315	Irrigation Systems and Water Management	
STAT 431	Statistical Analysis	

**Total Hours 88-92**

## Courses to total 120 credits for this degree

Fall Term 1	Hours
ENGL 101 Writing and Rhetoric I	3
PLSC 102 The Science of Plants in Agriculture	3
Oral Communication Course	2
MATH 143 OR MATH 160 OR MATH 170	3
(CHEM 101 AND CHEM 101L) OR (CHEM 111 AND CHEM 111L)	4
<b>Hours</b>	<b>15</b>
Spring Term 1	Hours
BIOL 115 Cells and the Evolution of Life	3
BIOL 115L Cells and the Evolution of Life Laboratory	1
ENGL 102 Writing and Rhetoric II	3
Humanistic and Artistic Ways of Knowing Course	3
Professional Support, Major Elective Course	3
Elective Course	1
<b>Hours</b>	<b>14</b>
Fall Term 2	Hours
CHEM 275 Carbon Compounds	3
PLSC 338 Organic and Conventional Weed Management	4
SOIL 205 The Soil Ecosystem	3
SOIL 206 The Soil Ecosystem Lab	1
STAT 251 Statistical Methods	3
<b>Hours</b>	<b>14</b>
Spring Term 2	Hours
GENE 314 General Genetics	3
Social and Behavioral Ways of Knowing Course	3
Crop Science, Major Elective Course	3
(EPPN 154 AND EPPN 155)	4
ENGL 313 OR ENGL 317	3
<b>Hours</b>	<b>16</b>

<b>Fall Term 3</b>		
ENT 322	General and Applied Entomology	4
PLP 415	Plant Pathology	3
PLP 416	Plant Pathology Lab	1
PLSC 207	Introduction to Biotechnology	3
Humanistic and Artistic Ways of Knowing Course		3
Elective Course		3
<b>Hours</b>		<b>17</b>
<b>Spring Term 3</b>		
PLSC 407	Field Crop Production	3
PLSC 438	Pesticides in the Environment	3
Social and Behavioral Ways of Knowing Course		3
Crop Science, Major Elective Course		3
AGED 406 OR AGED 407		3
<b>Hours</b>		<b>15</b>
<b>Fall Term 4</b>		
PLSC 400	Seminar	1
PLSC 480	Field Trip	1
Crop Science, Major Elective Course		3
Professional Support, Major Elective Course		3
International Course		3
PLSC 398 OR PLSC 402 OR PLSC 499		3
<b>Hours</b>		<b>14</b>
<b>Spring Term 4</b>		
PLSC 401	Plant Physiology	3
PLSC 446	Plant Breeding	3
SOIL 446	Soil Fertility	3
American Diversity Course		3
Crop Science, Major Elective Course		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

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 will be able to recognize and apply scientific principles and concepts to production or management of agronomic crops and different field crop production systems.
2. Students will be able to present and explain important concepts for field crop production and will be able to recognize and analyze various procedures for producing various agronomic crops.
3. Students will gain experiential practice in applying their knowledge of agronomy and field crop production through internships or laboratory research experiences and participation in student clubs/organizations.
4. Students will be able to communicate effectively, verbally and in writing, problems, analyses, and solutions to agronomic problems to a variety of audiences.