

# SOIL AND CROP SCIENCE MAJOR, B.S.

Course	Title	Credits
<b>General Requirements</b>		
General Requirements ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/">http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/</a> )		40-53
School of Agriculture Core ( <a href="http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/#soa-core">http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/#soa-core</a> )		12
<b>Required Courses</b>		
SCSCI 2230	Soils	4
SCSCI 3200	Integrated Pest Management	3
SCSCI 3220	Plant Development and Biotechnology	4
SCSCI 3340	Nutrient Management in Agriculture	3
SCSCI 3350	Soil Fertility and Fertilizers	3
SCSCI 4340	Plant Physiology	3
SCSCI 4350	Soil and Water Conservation	3
BIOLOGY 1350	General Botany	5
CHEMISTRY 1050 or CHEMISTRY 1140	Survey of General Chemistry General Chemistry I	4-5
<b>Electives</b>		
Select 13 credits of the following:		13
AGET 3950	Soil and Water Conservation Engineering	
ENVHORT 3230	Turfgrass Management	
ENVHORT 3300	Fruit and Vegetable Production	
ENVHORT 3370	Undergraduate Research in Environmental Horticulture	
RECLAM 3020	Reclamation Revegetation	
SCSCI 3260	Seed and Grain Crops	
SCSCI 3330	Soil Morphology and Classification	
SCSCI 3380	Special Problems in Soil Science	
SCSCI 3390	Special Problems in Crop Science	
SCSCI 4240	Plant Breeding	
SCSCI 4250	Weed Science	
SCSCI 4320	Forage Crops	
SCSCI 4370	Physical Properties of Soils	
SCSCI 4380	Undergraduate Research in Soil Science	
SCSCI 4390	Undergraduate Research in Crop Science	
<b>Emphasis</b>		
Select a 24-credit emphasis or minor from the following		24-37
Total Credits		121-135

## PLANT BREEDING AND GENETICS EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
SCSCI 4240	Plant Breeding	4
BIOLOGY 3330	Genetics	3
BIOLOGY 3530	Biotechnology	3
CHEMISTRY 1240	General Chemistry II	4
<b>Plant Breeding and Genetics Emphasis Electives</b>		
Select 11 credits of the following:		11
BIOLOGY 2040	Cell Biology	
BIOLOGY 3240	Microbiology	
BIOLOGY 4040	Molecular Biology	
BIOLOGY 4530	Plant Pathology	

CHEMISTRY 3510	Organic Chemistry I Lab
CHEMISTRY 3540	Organic Chemistry I
CHEMISTRY 4610	General Biochemistry Lab
CHEMISTRY 4630	General Biochemistry
PHLSPHY 2540	
RECLAM 3020	Reclamation Revegetation

Total Credits 25

## COMPREHENSIVE SOIL AND CROP SCIENCE EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
SCSCI 3260	Seed and Grain Crops	3
SCSCI 3330	Soil Morphology and Classification	3
SCSCI 4250	Weed Science	3
SCSCI 4320	Forage Crops	3
<b>Biology or Physical Science Electives</b>		
Select 11 credits of the following:		11
BIOLOGY 3240	Microbiology	
BIOLOGY 3330	Genetics	
BIOLOGY 3450	Ecology and Evolution	
BIOLOGY 3550	Morphology and Evolution of Vascular Plants	
BIOLOGY 3650	Plant Communities of Wisconsin	
BIOLOGY 4530	Plant Pathology	
CHEMISTRY 1240	General Chemistry II	
GEOGRPHY 1240		
GEOLOGY 1140	Physical Geology	
PHYSICS 1050	Principles of Physics	
PHYSICS 1350	Introductory Physics I	
PHYSICS 1450	Introductory Physics II	
<b>Comprehensive Electives</b>		
Select at least 14 agriculture courses not used to fulfill other requirements approved by an advisor.		14
Total Credits		37

## INTERNATIONAL EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
AGBUS 2330	World Population, Food and Resources	3
SCSCI 3310	Soils, Crops and Environmental Horticulture Seminar	1
Select one of the following:		3
BUSADMIN 1300	Global Business	
BUSADMIN 3720	International Marketing	
BUSADMIN 4940	Special Problems	
<b>International Experience Course</b>		
Select one International Experience Course: <sup>1</sup>		3-12
Study abroad experience		
One-on-one exchange experience		
Faculty-led international experience		
<b>International Electives</b>		
Students may select any international education course not already used to fulfill the general education international requirement and/or a foreign language course beyond second semester.		3-12
Total Credits		24-31

<sup>1</sup> Any international experience that is to be counted as credit(s) toward this emphasis must be agreed upon by the student and academic advisor prior to the experience. Of these 3-12 credits, at least three credits must have been agriculturally related or adequately related to the student's major.