

Soil and Hydrologic Sciences

<https://ag.purdue.edu/oap/Pages/major.aspx>

Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
Fall 1st Year				Spring 1st Year			
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University		4	BIOL 11100 or BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science	BIOL 11000
0.5	AGR 11300	Introduction to Agronomy Academic Programs		3	CHM 11200	General Chemistry	CHM 11100
4	BIOL 11000	Fundamentals of Biology I		3	MA 22400	Introductory Analysis II	MA 22300
3	CHM 11100	General Chemistry		3	-----	Economics Selective	
4	ENGL 10600	First-Year Composition					
3	MA 22300	Introductory Analysis I	ALEKS 65+				
15				13			

Fall 2nd Year				Spring 2nd Year			
3	AGRY 25500	Soil Science	CHM 11200	3	AGRY 36500	Soil Fertility	AGRY 25500
3	AGRY 29000	Introduction to Environmental Science		3	COM 11400	Fundamentals of Speech Communication	
1	AGRY 39800	Agronomy Seminar		4	PHYS 22000	General Physics	MA 22300
4	CHM 25700	Organic Chemistry	CHM 11200	3	-----	Ecology Selective	
1	CHM 25701	Organic Chemistry Laboratory		3	-----	Elective	
3	-----	Crop or Plant Science Selective					
15				16			

Fall 3rd Year				Spring 3rd Year			
4 or 3*	AGRY 38500 or AGRY 34900	Environmental Soil Chemistry or Soil Ecology	AGRY 25500 or BIOL 11000	3	AGRY 33700	Environmental Hydrology	
3	EAS 11100	Physical Geology		3	STAT 30100	Elementary Statistical Methods	
4	PHYS 22100	General Physics	PHYS 22000	3	-----	Genetics or Crop Physiology and Ecology, or Biochemistry selective	
3	-----	UCC Humanities Selective		3	-----	Humanities or Social Science Selective	
3*	-----	Elective		3	-----	Written or Oral Communication Selective	
16				15			

Fall 4th Year				Spring 4th Year			
3	AGRY 45000 or AGRY 58500	Soil Conservation and Water Management or Soils and Land Use	AGRY 25500	3	AGRY 33500	Weather and Climate Engineering or Science	PHYS 22000
3	AGRY 46500	Soil Physical Properties	AGRY 25500	3	-----	Selective	
1	AGRY 49800	Agronomy Senior Seminar		3	-----	Agricultural Economics, Economics, Management or Organizational Leadership and Supervision Selective	
3	AGRY 56500	Soil Classification, Genesis, and Survey	AGRY 25500	3	-----	Humanities or Social Science Selective	
3	-----	Humanities or Social Science Selective (30000+ level)		5*	-----	Electives	
13				17			

120 semester credits required for Bachelor of Science degree.
2.0 GPA required for Bachelor of Science degree.

Official and complete prerequisite lists are in the course catalog; the incomplete listing presented here regards this program and course sequencing.

*The higher credit option within soil chemistry/ecology course choices reduces Elective credit requirements.

Soil and Hydrologic Sciences

https://ag.purdue.edu/oap/Pages/major.aspx 120 credits required for graduation

Credits Course number Course Title
Departmental/Program Major Courses (109 to 110 credits)

Required Major Courses (29 to 30 credits)

_____	3	AGRY 25500	Soil Science
_____	3	AGRY 29000	Introduction to Environmental Science
_____	3	AGRY 33500	Weather and Climate
_____	3	AGRY 33700	Environmental Hydrology
_____	3	AGRY 36500	Soil Fertility
_____	4 or	AGRY 38500 or	
_____	3	AGRY 34900	Environmental Soil Chemistry or Soil Ecology
_____	1	AGRY 39800	Agronomy Seminar
_____		AGRY 45000 or	
_____	3	AGRY 58500	Soil Conservation and Water Management or Soils and Land Use
_____	3	AGRY 46500	Soil Physical Properties
_____	1	AGRY 49800	Agronomy Senior Seminar
_____	3	AGRY 56500	Soil Classification, Genesis, and Survey

Other Departmental /Program Course Requirements (80 credits) (See Agronomy Advising Resources)

_____	0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
_____	0.5	AGR 11300	Introduction to Agronomy Academic Programs
_____	4	BIOL 11000	Fundamentals of Biology I
_____		BIOL 11100 or	
_____	4	BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science
_____	3	CHM 11100	General Chemistry (satisfies Science Selective for core)
_____	3	CHM 11200	General Chemistry (satisfies Science Selective for core)
_____	3	MA 22300	Introductory Analysis I (satisfies Quantitative Reasoning Selective for core)
_____	3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy Selective for core)
_____	3	MA 22400	Introductory Analysis II
_____	4	PHYS 22000	General Physics
_____	4	PHYS 22100	General Physics
_____	4	ENGL 10600	First-Year Composition (satisfies Written Communication for core)
_____	3	COM 11400	Fundamentals of Speech Communication (satisfies Oral Communication for core)
_____	3	-----	Written or Oral Communications Selective
_____	3	-----	Economics Selective (satisfies Human Culture Behavioral/Social Science for core)
_____	3	-----	UCC Humanities Selective (satisfies Human Cultures Humanities for core)
_____	3	-----	Humanities or Social Science Selective
_____	3	-----	Humanities or Social Science Selective
_____	3	-----	Humanities or Social Science Selective (30000+ level)
_____		AGRY 32000 or	
_____		52500 or BCHM	
_____	3	30700	Genetics or Crop Physiology and Ecology or Biochemistry
_____	3	EAPS 11100	Physical Geology
_____	4	CHM 25700	Organic Chemistry
_____	1	CHM 25701	Organic Chemistry Laboratory
_____	3	-----	Crop or Plant Science Selective
_____	3	-----	Ecology Selective
_____	3	-----	Engineering or Science Selective
_____			Agricultural Economics, Economics, Management or Organizational Leadership and
_____	3	-----	Supervision Selective

Electives (10 or 11 credits)

_____ 10 or 11 _____ Elective

University Core Requirements:	
Human Cultures Humanities: _____	Science, Technology, and Society: _____
Human Cultures Behavioral/Social Science: _____	Written Communication: _____
Information Literacy: _____	Oral Communication: _____
Science #1: _____	Quantitative Reasoning: _____
Science #2: _____	

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