

Crop Science

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

120 credits required for graduation

Credits	Course number	Course Title
Departmental/Program Major Courses (111-113 credits)		
Required Major Courses (18 credits)		
3	AGRY 10500	Crop Production
3	AGRY 25500	Soil Science
1	AGRY 39800	Agronomy Seminar
3	AGRY 36500	Soil Fertility
3	AGRY 32000	Genetics
1	AGRY 32100	Genetics Laboratory
3	AGRY 33500	Weather and Climate
1	AGRY 49800	Agronomy Senior Seminar
Other Departmental /Program Course Requirements (93-95 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
	AGRY 51500 or	
3 or 4	BTNY 31600	Plant Mineral Nutrition or Plant Anatomy
	AGRY 52500 or	
3 or 4	HORT 30100	Crop Physiology and Ecology or Plant Physiology
3	BCHM 30700	Biochemistry
1	BCHM 30900	Biochemistry Laboratory
4	BIOL 11000	Fundamentals of Biology I
	BIOL 11100 or	
4	BTNY 11000	Fundamentals of Biology II or Introduction to Plant Science
3	BTNY 30100	Introductory Plant Pathology
3	BTNY 30400	Introductory Weed Science
3	CHM 11100	General Chemistry (satisfies Science Selective for core)
3	CHM 11200	General Chemistry (satisfies Science Selective for core)
4	CHM 25700	Organic Chemistry
1	CHM 25701	Organic Chemistry Laboratory
2	ENTM 20600	General Entomology
1	ENTM 20700	General Entomology Laboratory
3	MA 16010	Applied Calculus I (satisfies Quantitative Reasoning Selective for core)
3	MA 16020	Applied Calculus II
4	PHYS 22000	General Physics
4	PHYS 22100	General Physics
3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy Selective for core)
3	-----	<u>Economics Selective (satisfies Human Culture Behavioral/Social Science for core)</u>
3	-----	<u>UCC Humanities Selective (satisfies Human Cultures Humanities for core)</u>
3	-----	<u>Agronomy Selective (Science, Technology, & Society)</u>
3	-----	<u>Humanities or Social Science Selective</u>
3	-----	<u>Humanities or Social Science Selective</u>
3	-----	<u>Humanities or Social Science Selective (30000+ level)</u>
6	-----	<u>Agronomy Selective</u>
3	-----	<u>Business Selective</u>
4	ENGL 10600	English Composition (satisfies Written Communication for core)
	COM 11400 or	Fundamentals of Speech Communication or Science Writing and Presentation (satisfies
3	COM 21700	Oral Communication for core)
3	-----	<u>Written or Oral Communications Selective</u>

Electives (7 to 9 credits)
7 to 9 _____ 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: _____	

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

College of Agriculture & University Level Requirements:

2.0 GPA required for Bachelor of Science degree.

32 Upper division credits taken from Purdue

9 credits International Understanding: _____

3 credits Multicultural Awareness: _____

9 credits of Hum and/or Social Sciences outside the College of Agriculture: _____

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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
3	AGRY 10500	Crop Production		3	MA 16020	Applied Calculus II	MA 16010
4	BIOL 11000	Fundamentals of Biology I		3	-----	Agronomy Selective	
3	CHM 11100	General Chemistry		3	-----	Economics Selective	
4	ENGL 10600	First-Year Composition					
3	MA 16010	Applied Calculus I	ALEKS 75+				
18				16			
Fall 2nd Year				Spring 2nd Year			
3	AGRY 25500	Soil Science	CHM 11200	3	AGRY 36500	Soil Fertility	AGRY 25500
1	AGRY 39800	Agronomy Seminar		3	STAT 30100	Elementary Statistical Methods	
4	CHM 25700	Organic Chemistry	CHM 11200	3	-----	Agronomy Selective	
1	CHM 25701	Organic Chemistry Laboratory	pre/co: CHM 25700	3	-----	Agronomy Selective (Science, Technology, and Society)	
3	COM 11400 or COM 21700	Fundamentals of Speech or Science Writing and Presentation		3*	-----	Elective	
3*	-----	Elective					
15				15			
Fall 3rd Year				Spring 3rd Year			
3	AGRY 32000	Genetics	BIOL 11100	3	AGRY 33500	Weather and Climate	PHYS 22000
1	AGRY 32100	Genetics Laboratory		4	PHYS 22100	General Physics	PHYS 22000
3	BTNY 30100	Introductory Plant Pathology	BTNY 110 or BIOL111	3	-----	Written or Oral Communication Selective	
4	PHYS 22000	General Physics		3	-----	UCC Humanities Selective	
3	-----	Humanities or Social Science Selective					
3	-----	Humanities or Social Science Selective (30000+ level)					
17				13			
Fall 4th Year				Spring 4th Year			
1	AGRY 49800	Agronomy Senior Seminar		3 or 4*	AGRY 52500 or HORT 30100	Crop Physiology and Ecology or Plant Physiology	BIOL 11000, CHM 25700
3 or 4*	AGRY 51500 or BTNY 31600	Plant Mineral Nutrition or Plant Anatomy	BTNY 11000 or BIOL 11100	3	BTNY 30400	Introductory Weed Science	BTNY 11000 or BIOL 11100
3	BCHM 30700	Biochemistry	CHM 25700	3	-----	Agricultural Economics, Economics, Management or Organizational Leadership and Supervision Selective	
1	BCHM 30900	Biochemistry Laboratory	CHM 25700	3	-----	Humanities or Social Science Selective	
2	ENTM 20600	General Entomology					
1	ENTM 20700	General Entomology Laboratory	pre/co: ENTM 20600				
3*	-----	Elective					
14				12			

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The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

Consultation with an advisor may result in an altered plan customized for an individual student.

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