

Plant Science

<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		3	BTNY 20700	The Microbial World	BTNY 11000
0.5	AGR 11600	Introduction to Botany and Plant Pathology		3	CHM 11200	General Chemistry	CHM 11100
4	BTNY 11000	Introduction to Plant Science		4	ENGL 10600	First-Year Composition	
3	CHM 11100	General Chemistry		3	-----	Economics Selective	
3	COM 11400 or COM 21700	Fundamentals of Speech or Science Writing and Presentation		3	-----	Elective	
3	MA 15910	Introduction to Calculus	ALEKS 60+				
14				16			

Fall 2nd Year				Spring 2nd Year			
3	BTNY 30500	Fundamentals of Plant Classification	BTNY 11000	3	BCHM 30700	Biochemistry	CHM 25700
4	CHM 25700	Organic Chemistry	CHM 11200	3	BTNY 30200	Plant Ecology	BTNY 11000
1	CHM 25701	Organic Chemistry Lab		3	PHYS 21400	The Nature of Physics	
3	-----	Focus Selective		3	-----	UCC Science, Technology, & Society Selective	
3	-----	UCC Humanities selective		3	-----	Focus Selective	
14				15			

Fall 3rd Year				Spring 3rd Year			
4	BTNY 31600	Plant Anatomy	BTNY 11000	3	AGRY 32000	Genetics	BTNY 11000, HORT 30100
4	HORT 30100	Plant Physiology	CHM 25700	1	AGRY 32100	Genetics Lab	pre/co: AGRY 32000
3	-----	Focus Selective		3	STAT 30100	Elementary Statistical Methods	
3	-----	Written or Oral Communication Selective		3	-----	Focus Selective	
3	-----	Elective		3	-----	Humanities or Social Science Selective	
3	-----			3	-----	Elective	
17				16			

Fall 4th Year				Spring 4th Year			
3	BTNY 49800	Research in Plant Science		1	BTNY 49700	Research Seminar	BTNY 498
3	-----	Focus Selective		3	-----	Focus Selective	
3	-----	Humanities or Social Science Selective (30000+ level)		3	-----	Humanities or Social Science Selective	
6	-----	Electives		6	-----	Electives	
15				13			

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

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.

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120 credits required for graduation

Credits Course number Course Title
Departmental/Program Major Courses (99 credits)

Required Major Courses (21 credits)

4	BTNY 11000	Introduction to Plant Science
3	BTNY 20700	The Microbial World
3	BTNY 30200	Plant Ecology
3	BTNY 30500	Fundamentals of Plant Classification
4	BTNY 31600	Plant Anatomy
1	BTNY 49700	Research seminar
3	BTNY 49800	Research in Plant Science

Other Departmental / Program Course Requirements (78 credits) (See Advising Resources)

0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
0.5	AGR 11600	Introduction to Botany and Plant Pathology
3	AGRY 32000	Genetics
1	AGRY 32100	Genetics Lab
3	BCHM 30700	Biochemistry
3	CHM 11100	General Chemistry (satisfies Science #1 for core)
3	CHM 11200	General Chemistry (satisfies Science #2 for core)
4	CHM 25700	Organic Chemistry
1	CHM 25701	Organic Chemistry Lab
4	HORT 30100	Plant Physiology
3	MA 15910	Introduction to Calculus (satisfies Quantitative Reasoning for core)
3	PHYS 21400	The Nature of Physics
3	STAT 30100	Elementary Statistical Methods
18	-----	Focus Selective
3	-----	Economics Selective (satisfies Human Culture Behavioral/Social Science for core)
3	-----	UCC Humanities Selective (satisfies Human Cultures Humanities for core)
3	-----	UCC STS Selective (satisfies Science, Technology & Society Selective for core)
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective
3	-----	Humanities or Social Science Selective (30000+ level)
4	ENGL 10600	First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy for core)
3	COM 11400 or	Fundamentals of Speech Communication or Science Writing and Presentation (satisfies
3	COM 21700	Oral Communication for core)
3	-----	Written or Oral Communications Selective

Electives (21 credits)

21	-----	Elective
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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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 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: _____