

Plant Science

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

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:

<i>Human Cultures Humanities:</i> _____	<i>Science, Technology, and Society:</i> _____
<i>Human Cultures Behavioral/Social Science:</i> _____	<i>Written Communication:</i> _____
<i>Information Literacy:</i> _____	<i>Oral Communication:</i> _____
<i>Science #1:</i> _____	<i>Quantitative Reasoning:</i> _____
<i>Science #2:</i> _____	

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		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			

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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.