



# Bachelor of Science in Agriculture GIS & Precision Agriculture

Problems Or Questions Regarding Registration? Please Email Us At [OnlineAdvising@astate.edu](mailto:OnlineAdvising@astate.edu)

Must Have 35 Hours of General Education Courses for a Bachelor's Degree at Arkansas State University

*X = Offered Every Year*

*XE = Offered "Even" Years (e.g. 2022, 2024 etc.)*

*XO = Offered "Odd" Years (e.g. 2023, 2025 etc.)*

			Fall Term 1	Fall Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<b>CORE COURSES (18 Hours)</b>								
<b>SELECT THREE OF THE FOLLOWING (9 HOURS)</b>								
AGEC	1003	Intro to Agricultural Business			X			
ANSC	1613	Intro to Animal Science			X			
PSSC	1303	Intro to Plant Science	X					
PSSC	2813	Soils		X				
<b>REQUIRED CORE COURSE (3 HOURS)</b>								
GIS	2003	Intro to GIS & Precision Agriculture	X		X			
<b>SELECT ONE OF THE FOLLOWING (3 HOURS)</b>								
AGRI	3233	Applied Agricultural Statistics					X	
STAT	3233	Applied Statistics I			X			X
TECH	3773	Statistics			X		X	
<b>SELECT ONE OF THE FOLLOWING (3 HOURS)</b>								
AGRI	3103	Regenerative Agri Fundamentals				X		
AGRI	420V	Internships in Agriculture					X	X



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<b>MAJOR REQUIREMENTS (64 Hours)</b>								
AGRI	4223	Agriculture & the Environment			X			
GIS	3503	Geospatial Data Applications	X		X			
GIS	3543	Fundamentals of GIS & GPS		X		X	X	
GIS	4003	Modern Irrigation				X		
GIS	4503	Agricultural Decision Tools & Analysis		X				
GIS	4511	Unmanned Aircraft Systems Sem.		X				
GIS	4543	Understanding Geographic Info Systems	X					
GIS	4573	Python ARC GIS					X(2025)	
GIS	4743	Cartography						X
GIS	4773	Remote Sensing			X (2025)			
GIS	4843	GIS & Precision Agri Capstone				X		
ISBA	1503	Microcomputer Applications	X				X	
<b>SELECT ONE OF THE FOLLOWING FIVE COURSES BELOW (3 HOURS)</b>								
GEOG	3723	Intro to Physical Geo Weather & Climate						
GEOG	4113	Water Resources Planning						
GEOG	4613	Conservation of Natural Resources						
GEOG	4623	Environmental Management						
GEOG	4633	Climatology						



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SELECT TWO OF THE FOLLOWING SIX COURSES BELOW (6 HOURS)

BCOM	2503	Business Communication		X		X		
COMS	2243	Principles of Argumentation				X		
COMS	2373	Intro to Interpersonal Communication				X		
COMS	3203	Business & Professional Communication			X			X
COMS	3243	Principles of Persuasion	X					
COMS	4263	Organizational Communication	X					



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**SELECT 2 UPPER-LEVEL PSSC COURSES (6 HOURS) & 7 ADDITIONAL UPPER-LEVEL ELECTIVES (21 HOURS)**

**ELECTIVES FROM AGECE, AGED, ANSC, AGRI, GIS, PSSC, HORT (43 HOURS)**

			Fall Term 1	Fall Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
AGEC	3013	Decision Tools for Agribusiness					X	
AGEC	3063	Agricultural Entrepreneurship				X		
AGRI	3103	Regenerative Agriculture Fundamentals				X		
AGRI	3233	Applied Agriculture Fundamentals					X	
AGRI	4223	Agriculture & the Environment Sem.			X			
AGRI	420V	Internships in Agriculture					X	X
GIS	3503	Geospatial Data Applications	X		X			
GIS	3543	Fundamentals of GIS & GPS		X		X	X	
GIS	4003	Modern Irrigation				X		
GIS	4503	Agricultural Decision Tools & Analysis		X				
GIS	4511	Unmanned Aircraft Systems Sem.		X				
GIS	4543	Understanding Geographic Info Systems	X					
GIS	4573	Python ARC GIS					X(2025)	
GIS	4743	Cartography						X
GIS	4773	Remote Sensing			X			
GIS	4843	Agricultural Systems Tech Capstone				X		



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<b>ELECTIVES FROM AGECE, AGED, ANSC, AGRI, GIS, PSSC, HORT CONTINUED (43 HOURS)</b>								
HORT	3253	Urban Forestry				X		
PSSC	3803	Pasture & Forage Crops	X					
PSSC	4853	Soil & Water Conservation			X			
PSSC	489V	Crops Around the World		X		X		
<b>PROGRAM REQUIRED GENERAL EDUCATION</b>								
<b>Both BIOL Courses must be taken together; Both CHEM Courses must be taken together</b>								
COMS	1203	Oral Communication	X	X	X	X	X	X
BIOL	1001	Biological Science Lab			X		X	
BIOL	1003	Biological Science			X		X	
CHEM	1041	Fundamental Concepts of Chem Lab		X				
CHEM	1043	Fundamental Concepts of Chem		X				
GEO	2613	Introduction to Geography						
<b>MAKING CONNECTIONS (3 HOURS)</b>								
UC	1013	Making Connections		X		X		