

## 8-Semester Plan

**Arkansas State University-Jonesboro**  
**Degree: Bachelor of Science in Agriculture (BSA)**  
**Major: GIS and Precision Agriculture**  
**Year: 2024-2025**

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree.

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs.	Gen Ed	Course No.	Course Name	Hrs.	Gen Ed
ENG 1003	Composition I	3	x	ENG 1013	Composition II	3	x
AGRI 1221	Introductions to Professions in Agriculture	1		GIS 2003	Intro to GIS and Precision Agriculture	3	
PSSC 1303	Intro to Plant Science	3		COMS 1203	Oral Communication	3	x
ANSC 1613, AGEC 1003	<b>Choose one:</b> Intro to Animal Science, Intro to Agribusiness	3		ISBA 1503, CS 1013	<b>Choose one:</b> Microcomputer Applications, Introduction to Computers	3	
Social Science: ECON 2313, ECON 2323, ECON 2333, HIST 1013, HIST 1023, MDIA 1003, PSY 2013, SOC 2213	<b>Choose one:</b> Principles of Macroeconomics, Principles of Microeconomics, Economic Issues & Concepts, World History to 1500, World History since 1500, Mass Communications in Modern Society, Introduction to Psychology, Introduction to Sociology	3	x	Math: MATH 1023	College Algebra <b>OR</b> Any MATH requiring MATH 1023 as a prerequisite.	3	x
Social Science GEOG 2613	Introduction to Geography	3	x	AGRI 1231	Professional Business Communications in Agriculture	1	
<b>Total Hours</b>		<b>16</b>		<b>Total Hours</b>		<b>16</b>	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Life Science: BIOL 1003/1001	Biological Science/ Lab	4	x	Physical Science: CHEM 1043/1041	Fundamental Concepts of Chemistry/Lab	4	
ENG 2003, ENG 2013, PHIL 1013	<b>Choose one:</b> World Literature to 1660, World Literature since 1660, Intro to Philosophy	3	x	ART 2503	Fine Arts: Visual	3	x
Extra Comm: BCOM 2563, COMS 2243, COMS 2373,  COMS 3203, COMS 3243, COMS 4263	<b>Choose one:</b> Business Communication, Principles of Argumentation, Introduction to Interpersonal Communications, Business and Professional Communications, Principles of Persuasion, Organizational Communication	3		Extra Comm: BCOM 2563, COMS 2243, COMS 2373,  COMS 3203, COMS 3243, COMS 4263	<b>Choose one:</b> Business Communication, Principles of Argumentation, Introduction to Interpersonal Communications, Business and Professional Communications, Principles of Persuasion, Organizational Communication	3	
PSSC 2813	Soils	3		GIS 3503	Geospatial Data Applications	3	
AGRI 1241	Professional Business Etiquette in Agriculture	1		GIS 3543	Fundamentals of GIS/GPS	3	
Social Science HIST 2763, HIST 2773, POSC 2103	<b>Choose one:</b> United States History to 1876 United States History since 1876 Introduction to US Government	3	x				
<b>Total Hours</b>		<b>17</b>		<b>Total Hours</b>		<b>16</b>	

Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
GEOG 3723, GEOG 4113, GEOG 4633	<b>Choose one:</b> Intro to Phys. Geography, Weather & Climate, Water Resources Planning, Climatology	3		PSSC 3313, PSSC 3323, PSSC 4813	<b>Choose one:</b> Plant Disease Management, Weeds and Weed Control, Soil Fertility	3	
GIS 4543	Understanding Geographic Information Systems	3		GIS 4003	Modern Irrigation Systems	3	
PSSC 4713, PSSC 4804	<b>Choose one:</b> Soil Quality Assessment & Interpretation, Principles of Crop Production	3 or 4		Upper-Level Electives	Upper-Level Elective(s) in: AGEC, AGED, ANSC, AGRI, GIS, GEOG, HORT, or PSSC.	3	
AGRI 3103, AGRI 4203, AGRI420V	<b>Choose one</b> Regenerative Agriculture Fundamentals, Guided Research Experience, Internships in Agriculture	3		GIS 4773	Remote Sensing	3	
Upper-Level Electives	Upper-Level Elective(s) in: AGEC, AGED, ANSC, AGRI, GIS, GEOG, HORT, or PSSC.	3		AGRI 4223	Ag and the Environment	3	
<b>Total Hours</b>		<b>15 or</b>		<b>Total Hours</b>		<b>15</b>	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
AGRI 3233, STAT 3233, TECH 3733	<b>Choose one</b> Applied Agricultural Statistics, Applied Stats, Statistics	3		GIS 4843	GIS and Precision Agriculture Capstone	3	
GIS 4503	Agricultural Decision Tools and Analysis	3		Upper-Level Electives	AGEC, AGED, AGRI, GIS, GEOG, HORT, or PSSC.	6 or 7	
GIS 4511	Unmanned Aircraft Systems	1					
Upper-Level Electives	AGEC, AGED, AGRI, GIS, GEOG, HORT, or PSSC.	8					
<b>Total Hours</b>		<b>15</b>		<b>Total Hours</b>		<b>9 or 10</b>	
<b>Total Jr/Sr Hours</b>		<u>61</u>		<b>Total Degree Hours</b>		<u>120</u>	
<b>Graduation Requirements:</b>							