



# Eight-Semester Degree Plan

## Bachelor of Science in Agriculture

### Major in GIS and Precision Agriculture

## 2023-2024

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 1213	Making Connections in Agriculture	3		ISBA 1503, CS 1013	<b>Choose one:</b> Microcomputer Applications, Introduction to Computers	3	
PSSC 1303	Intro to Plant Science	3		GIS 2003	Intro to GIS and Precision Agriculture	3	
ANSC 1613, AGEC 1003	<b>Choose one:</b> Intro to Animal Science, Intro to Agribusiness	3		COMS 1203	Oral Communication	3	x
Gen Ed 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	Gen Ed Math: MATH 1023	College Algebra <b>OR</b> Any MATH requiring MATH 1023 as a prerequisite.	3	x
<b>Total Hours:</b>		<b>15</b>		<b>Total Hours:</b>		<b>15</b>	

Year 2							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Gen Ed Life Science: BIOL 1003/ 1001	Biological Science/ Lab	4	x	Gen Ed Physical Science: CHEM 1043/1041	Fundamental Concepts of Chemistry/Lab	4	x
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 Communications: 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 Communications: 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	
Gen Ed 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	Gen Ed Social Science* GEOG 2613	Introduction to Geography	3	x
<b>Total Hours:</b>		<b>16</b>		<b>Total Hours:</b>		<b>16</b>	

Year 3							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIO 3023, GEOG 3723, GEOG 4113, GEOG 4633	<b>Choose one:</b> Principles of Ecology, 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 3543	Fundamentals of GIS/GPS	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, AGST, 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 4543	Understanding Geographic Information Systems	3	
Upper-Level Electives	Upper-Level Elective(s) in: AGEC, AGED, ANSC, AGRI, AGST, GEOG, HORT, or PSSC.	3		AGRI 3233, STAT 3233, TECH 3733	<b>Choose one</b> Applied Agricultural Statistics, Applied Stats, Statistics	3	
<b>Total Hours:</b>		<b>15 or 16</b>		<b>Total Hours:</b>		<b>15</b>	

Year 4							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
GIS 4773	Remote Sensing	3		GIS 4843	GIS and Precision Agriculture Capstone	3	
GIS 4503	Agricultural Decision Tools and Analysis	3		AGRI 4223	Ag and the Environment	3	
GIS 4511	Unmanned Aircraft Systems	1		Upper-Level Electives	AGEC, AGED, AGRI, GIS, GEOG, HORT, or PSSC.	6 or 7	
Upper-Level Electives	AGEC, AGED, AGRI, GIS, GEOG, HORT, or PSSC.	8					
<b>Total Hours:</b>		<b>15</b>		<b>Total Hours:</b>		<b>12 or 13</b>	
<b>Total Upper-Level Hours:</b>		<b>57</b>		<b>Total Degree Hours:</b>		<b>120</b>	

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. Some general education and other courses may be interchanged between semesters. A minimum of 45 hours of upper-level credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

**Additional Graduation Requirements:**

**2023-2024 BACHELORS OF SCIENCE AGRICULTURE DEGREES**

*For a more detailed outline of all academic requirements and regulations for the Bachelor of Science in Agriculture degrees, please see the 2023-2024 Undergraduate Bulletin.*

1. At least 120 credit hours
2. 45 hours of upper level (JR/SR) credit
3. Completed all required and elective hours
4. Maintain a minimum 2.0 GPA in all sections of the degree course work
  - a. General Education
  - b. Ag Core
  - c. Major Requirements
  - d. Program Emphasis Requirements (if applicable)
  - e. Free Electives
5. Minimum overall 2.0 GPA (including A-State and Transfer hours)