



**ARKANSAS STATE  
UNIVERSITY**

**Eight-Semester Degree Plan  
Bachelor of Science in Agriculture  
Major in Animal Science  
Emphasis in Pre-Veterinary Medicine  
2020-2021**

Year 1							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 1613/1621	Intro to Animal Science/ Lab	4		AGEC 1003	Intro to AgriBusiness	3	
ENG 1003	Composition I	3	x	ENG 1013	Composition II	3	x
AGRI 1213	Making Connections in Agriculture	3		MATH 1033 or 1054	Plane Trigonometry or Precalculus	3 or 4	x
MATH 1023	College Algebra	3	x	BIOL 1003/1001	Biological Science/ Lab	4	x
COMS 1203	Oral Communication	3	x	ART / MUS/ THEA 2503	Choose 1: Fine Arts: Visual/ Music/ Theater	3	x
<b>Total Hours:</b>		16		<b>Total Hours:</b>		16-17	
Year 2							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ECON 2313 or 2333	Macroeconomics or Economic Concepts in issues	3	x	HIST 2763/2773 or POSC 2103	US History to 1876/ since 1876 or Intro to US Government	3	x
ENG 2003/2013 or PHIL 1303	World Literature to/ since 1660 or Intro to Philosophy	3	x	PSSC 1303	Intro to Plant Science	3	
CHEM 1013/ 1011	General Chem I/ Lab	4	x	PHYS 2054	General Physics I	4	
HIST 1013/1023; SOC 2013; POSC 1003; GEO2613; CMAC 1003	Choose one: World Civ to/ since 1660; Intro to sociology; Intro to Psychology; Intro to Politics; Intro to Geography;	3	x	CHEM 1023/1021	General Chemistry II/ lab	4	
AGST 2003	Intro to Ag Systems	3		Free Elective	Free Elective	1	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		15	
Year 3							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 3633	Vet Anatomy and Physiology	3		ANSC Elective	Upper level ANSC Elective	3	
STAT 3233	Applied Statistics	3		AGRI 4723 or AGRI 420V	Ag Connections or Internship in Agriculture	3	
ANSC 3613	Nutritional Management Domestic Animals	3		ANSC 4673	Digestive Physiology	3	
CHEM 3103/3101	Organic Chemistry I & Lab	4		CHEM 3113/3111	Organic Chemistry II& Lab	4	
AGRI 2213 or BIO 3013	Genetic Improvement or *Genetics, Prereq of BIO 2013 & 2011 required	3		PHYS 2064	General Physics II	4	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		17	

Year 4							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIO 2103/2101 or *BIO 4104	Microbiology for Nursing & lab or Microbiology, <i>prereq BIO 2013/2011 Biology of the cell &amp; lab</i>	4		ANSC 4683	Reproductive Physiology	3	
ANSC Elective	Upper level ANSC elective	3		CHEM 4243	Biochemistry	3	
AGRI 3813	AG Biosystems I	3		ANSC Elective	Upper level ANSC elective	3	
Free Elective	Consult Advisor	3		AGRI 3823	AG Biosystems II	3	
				ANSC 4003	Current Issues in Animal AG	3	
<b>Total Hours:</b>		13		<b>Total Hours:</b>		15	
<b>Total Upper-Level Hours:</b>		45		<b>Total Degree Hours:</b>		120-124	

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-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:**

#### **2020-2021 BACHELORS OF SCIENCE AGRICULTURE DEGREES**

*For a more detailed outline of all academic requirements and regulations for the Bachelors of Science in Agriculture degrees, please see the 2020-2021 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
  - e. Free Electives
5. Minimum overall 2.0 GPA (including A-State and Transfer hours)



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UNIVERSITY**

**Eight-Semester Degree Plan  
Bachelor of Science in Agriculture  
Major in Animal Science  
Emphasis in Equine Management  
2020-2021**

Year 1							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ENG 1003	Comp I	3	x	AGEC 1003	Intro to Agribusiness	3	
AGRI 1213	Making Connections in Ag	3	X	PSSC 1303	Intro to Plant Science	3	
ANSC 1613/1621	Intro to Animal Science/ Lab	4		ENG 1013	Comp II	3	x
MATH 1023	College Algebra	3	x	BIOL 1003/1001	Biological Science/ Lab	4	x
HIST 1013/1023; SOC 2013; PSY 2013; POSC 1003; GEO 2613; CMAC 1003	Choose: World History. to or since 1660; Intro to Sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication	3	x	ANSC 1602	Beginning Equitation	2	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		15	
Year 2							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ECON 2313 / 2333	Macroeconomics or Economic Concepts	3	x	HIST 2763/2773 or POSC 2103	US History to/ since 1876 or Intro to US Government	3	x
ANSC 2623	Equine Health and Management	3		ANSC 1612	Intermediate Western Equitation	2	
CHEM 1013/1011 or CHEM 1043/1041	General Chemistry I/ Lab or Fund. Concepts of Chemistry/ Lab	4	x	PSSC 2813 or AGST 2003	Soils or Intro to Ag Systems Technology	3	
COMS 1203	Oral Communication	3	x	CHEM 1023/1021 or CHEM 1052	General Chemistry II/ Lab or Fundamental Concepts of Organic/Biochemistry	4 or 2	
ANSC 1522	Beginning English Equitation	2		ENG 2003/ 2013/ PHIL 1003	Intro to World Literature to/since 1660 or Intro to Philosophy	3	x
<b>Total Hours:</b>		15		*Free Electives	Free Electives- if taking CHEM 1052	1-3	
<b>Total Hours:</b>		15		<b>Total Hours:</b>		16	
Year 3							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ART/MUS/THEA 2503	Fine Arts: Visual/ Musical/ Theater Choose one	3	x	AGRI 2213 or BIO 3013	Genetic Improvement of Plant and Animals or Genetics	3	
ANSC 3613	Nutritional Management of Domestic Animals	3		AGEC 4073	Ag Business Management	3	
BIO 2103/2101	Microbiology for Nursing / lab	4		ANSC 4613	Horse Production	3	
STAT 3233	Applied Stats	3		ANSC Electives	Upper Level ANSC Electives	3	
ANSC 3633	Veterinary Anatomy and Physiology	3		AGRI 4723	AG Connections	3	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		15	

Year 4							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 4743	Equine Nutrition	3		ANSC 4003	Current Issues in Animal Agriculture	3	
UL ANSC Electives	Upper Level ANSC Electives	3		UL Support Elective	Upper level support elective from AGECE, AGED, ANSC, BIO, CHEM, PSSC	3	
UL ANSC Electives	Upper Level ANSC Electives	3		UL Support Elective	Upper level support elective from AGECE, AGED, ANSC, BIO, CHEM, PSSC	3	
AGRI 3813	Ag Biosystems I	3		AGRI 3823	AG Biosystems II	3	
ANSC Electives	Upper Level ANSC Elective	3					
<b>Total Hours:</b>		15		<b>Total Hours:</b>		12	
<b>Total Upper-Level Hours:</b>		45		<b>Total Degree Hours:</b>		120	

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#### **Additional Graduation Requirements:**

#### **2020-2021 BACHELORS OF SCIENCE AGRICULTURE DEGREES**

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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
  - e. Free Electives
5. Minimum overall 2.0 GPA (including A-State and Transfer hours)



**ARKANSAS STATE**  
UNIVERSITY

**Eight-Semester Degree Plan**  
**Bachelor of Science in Agriculture**  
**Major in Animal Science**  
**Emphasis in Production and Management**  
**2020-2021**

Year 1							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 1613/1621	Intro to Animal Science/ Lab	4		AGEC 1003	Intro to AgriBusiness	3	
ENG 1003	Composition I	3	x	ENG 1013	Composition II	3	x
AGRI 1213	Making Connections in Agriculture	3		HIST 1013/1023; SOC 2013; POSC 1003; GEO2613; CMAC 1003	Choose one: World Civ to/ since 1660; Intro to sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication	3	x
MATH 1023	College Algebra	3	x	PSSC 1303	Intro to Plant Science	3	
ART/MUS/THEA 2503	Fine Arts: Visual/ Music/ Theater	3		BIOL 1003/1001	Biological Science/ Lab	4	x
<b>Total Hours:</b>		16		<b>Total Hours:</b>		16	
Year 2							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ECON 2313 or 2333	Macroeconomics or Economic Concepts in issues	3	x	HIST 2763/2773 or POSC 2103	US History to 1876/ since 1876 or Intro to US Government	3	x
ENG 2003/2013 or PHIL 1303	World Literature to/ since 1660	3	x	PSSC 2813 or AGST 2003	Soils or Intro to Ag Systems	3	
CHEM 1043/1041 or CHEM 1013/1011	Fund. Concepts of Chemistry/ Lab or General Chem I/ Lab	4	x	AGRI 2213 or BIO 3013	Genetic Improvement or Genetics	3	
COMS 1203	Oral Communication	3	x	CHEM 1023/1021 or CHEM 1052	General Chemistry II/ lab or Fund. Concepts of Organic and Biochem	4 or 2	
Free Elective	Consult with Advisor	3	x	ANSC 3703	Poultry Flock Management	3	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		14-15	
Year 3							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 3633	Vet Anatomy and Physiology	3		ANSC 4683	Reproductive Physiology	3	
STAT 3233	Applied Statistics	3		UL ANSC Elective	Upper Level ANSC Elective( 12 hours)	3	
ANSC 3613	Nutritional Management Domestic Animals	3		AGRI 4723	Ag Connections	3	
BIO 2103/2101	Microbiology for Nursing/ lab	4		AGEC 4073	Agribusiness Management	3	
UL ANSC Elective	Upper level ANSC Elective (12 hours)	3		ANSC 4673	Digestive Physiology and Nutrition	3	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		15	

Year 4							
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ANSC 4663	Principles of Breeding	3		ANSC 4003	Current Issues in Animal Agriculture	3	
UL ANSC Elective	Upper level ANSC Elective (12 hours)	3		UL ANSC Elective	Upper Level ANSC Elective (12 hours)	3	
UL Support Elective	Upper Level Support Elective(AGEC, AGED, ANSC, BIO, CHEM, PSSC)	3		UL Support Elective	Upper Level Support Elective(AGEC, AGED, ANSC, BIO, CHEM, PSSC)	3	
AGRI 3813	AG Biosystems I	3		AGRI 3823	AG Biosystems II	3	
Free Elective	Consult with advisor	3		Free Elective	Consult with advisor	1-3	
<b>Total Hours:</b>		15		<b>Total Hours:</b>		13-15	
<b>Total Upper-Level Hours:</b>			45	<b>Total Degree Hours:</b>			120

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