



**ARKANSAS STATE  
UNIVERSITY**

**Eight-Semester Degree Plan  
Bachelor of Science in Agriculture  
Major in Animal Science  
Emphasis in Pre-Veterinary Medicine  
2017-2018**

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	Plan Trigonometry or PreCalculus	3 or 4	x
MATH 1023	College Algebra	3	x	BIOL 1003/1001	Biological Science/ Lab	4	
COMS 1203	Oral Communication	3	x	Free Elective	Free Elective	3	
<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	AGRI 2213 or BIO 3013	Genetic Improvement or Genetics	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	CHEM 1023/1021	General Chemistry II/ lab	4	
ART/MUS/THEA 2503	Choose 1: Fine Arts: Visual/ Musical/ Theater	3	x	Free Elective	Free Elective	2	
<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	
AGRI 3233 or STAT 3233	Applied AG Statistics or Applied Statistics	3		AGRI 3723	Ag Connections	3	
ANSC 3613	Nutritional Management Domestic Animals	3		ANSC 4673	Digestive Physiology	3	
CHEM 3103/3101	Organic Chemistry/ Lab	4		CHEM 3113/3111	Organic Chemistry II/ Lab	4	
PHYS 2054	General Physics I	4		PHYS 2064	General Physics II	4	
<b>Total Hours:</b>		17		<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	4		ANSC 4683	Reproductive Physiology	3	
ANSC Elective	Upper level ANSC elective	3		CHEM 4243	Biochemistry	3	
Free Elective	Free elective any level	4		ANSC Elective	Upper level ANSC elective	3	
				Free Elective	Free Elective any level	3	
<b>Total Hours:</b>		11		<b>Total Hours:</b>		12	
<b>Total Upper-Level Hours:</b>		45		<b>Total Degree Hours:</b>		120	

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:**



**ARKANSAS STATE  
UNIVERSITY**

**Eight-Semester Degree Plan  
Bachelor of Science in Agriculture  
Major in Animal Science  
Emphasis in Equine Management  
2017-2018**

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 Civ. 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	Soils	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	2	
<b>Total Hours:</b>		15		<b>Total Hours:</b>		15-17	
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	
AGRI 3233 or STAT 3233	Applied Ag Stats or Applied Stats	3		ANSC Electives	Upper Level ANSC Electives	3	
ANSC 3633	Veterinary Anatomy and Physiology	3		Free Elective	Free Elective	3	

<b>Total Hours:</b>		16		<b>Total Hours:</b>		15	
<b>Year 4</b>							
<b>Fall Semester</b>				<b>Spring Semester</b>			
<b>Course No.</b>	<b>Course Name</b>	<b>Hrs</b>	<b>Gen Ed</b>	<b>Course No.</b>	<b>Course Name</b>	<b>Hrs</b>	<b>Gen Ed</b>
ANSC 4743	Equine Nutrition	3		Support Elective	Upper level support elective from AGECE, AGED, ANSC, BIO, CHEM, PSSC	3	
ANSC Electives	Upper Level ANSC Electives	3		Support Elective	Upper level support elective from AGECE, AGED, ANSC, BIO, CHEM, PSSC	3	
ANSC Electives	Upper Level ANSC Electives	3		Support Elective	Upper level support elective from AGECE, AGED, ANSC, BIO, CHEM, PSSC	3	
AGRI 3723	Ag Connections	3		Free Elective	Free Elective	2-3	
ANSC Electives	Upper Level ANSC Elective	3					
<b>Total Hours:</b>		15		<b>Total Hours:</b>		11-12	
<b>Total Upper-Level Hours:</b>		45		<b>Total Degree Hours:</b>		120	

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**Additional Graduation Requirements:**

- 12 hours upper level Animal Science Electives
- 9 Hours upper level support electives
- 7 or 9 hours of free electives



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**Eight-Semester Degree Plan  
Bachelor of Science in Agriculture  
Major in Animal Science  
Emphasis in Production and Management  
2017-2018**

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	
Free Elective	Consult with Advisor	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	Soils	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	
ART/MUS/THEA 2503	Choose 1: Fine Arts: Visual/ Musical/ Theater	3	x	Free Elective	Free Elective	3	
<b>Total Hours:</b>		16		<b>Total Hours:</b>		14-16	
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 3703	Poultry Production	3	
AGRI 3233 or STAT 3233	Applied AG Statistics or Applied Statistics	3		ANSC Elective	Upper Level ANSC Elective	3	
ANSC 3613	Nutritional Management Domestic Animals	3		AGRI 3723	Ag Connections	3	
BIO 2103/2101	Microbiology for Nursing/ lab	4		AGEC 4073	Agribusiness Management	3	
ANSC Elective	Upper level ANSC Elective	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 4683	Reproductive Physiology	3	
ANSC Elective	Upper level ANSC Elective	3		ANSC Elective	Upper Level ANSC Elective	3	
Support Elective	Upper Level Support Elective(AGEC, AGED, ANSC, BIO, CHEM, PSSC)	3		Support Elective	Upper Level Support Elective(AGEC, AGED, ANSC, BIO, CHEM, PSSC)	3	
Free Elective	Consult with Advisor	6		Free Elective	Consult with Advisor	6	
<b>Total Hours:</b>		15		<b>Total Hours:</b>		15	
<b>Total Upper-Level Hours:</b>		45		<b>Total Degree Hours:</b>		120	

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**Additional Graduation Requirements:**

- 12 hours upper level Animal Science Electives
- 6 Hours upper level support electives
- 13-15 hours of free electives