

ANIMAL SCIENCES MAJOR – HORSE SPECIALIZATION (A.S.) INTERESTED IN ANIMAL SCIENCES MAJOR – ANIMAL INDUSTRIES SPECIALIZATION (B.S.)

This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Animal Sciences Horse specialization and a Bachelor of Science Degree in Agriculture with a major in Animal Sciences and specialization in Animal Industries. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Freshman Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>MATH 1148 should be completed by the end of this year.</i>	ANMLTEC	1201.01T	Exploring Equine Careers and Industry	.5	AGRCOMM	3130	Oral Expression in Agriculture ^b	3
<i>ENGLISH 1110 should be completed by the end of this year.</i>	ANMLTEC	2189.01T	Horse Practicum	1	ANMLTEC	3151T	Horse Breeding & Selection	3
<i>Begin to consider study abroad programs.</i>	ANMLTEC	2201T	Introduction to Horse Science	3	ANMLTEC	3171T	Horse Health and Disease	3
	ANMLTEC	2800T or 2801T	Basic Horsemanship ^a Horsemanship & Equitation ^a	2-3	CHEM	1110 or 1210	Elementary Chemistry General Chemistry I	5
	ENGLISH	1110.01	First-Year English Composition	3	RURLSOC	1500	Intro to Rural Sociology ^b	3
	GENSTDS	1201.01T	College Orientation	.5				
	MATH	1148	College Algebra	4				
			Total:	14-15				Total: 17
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>ANMLTEC requirements should be completed by the end of this year.</i>	AEDECON	2001	Principles of Food and Resource Economics ^b	3	ANMLTEC	2189.01T	Horse Practicum	1
<i>Begin to consider an internship location. (Internships are not required for A.S. Degree.)</i>	ANIMSCI	2200.01	Introductory Animal Science	3	ANMLTEC	3101.02T	Equine Facility Management	3
	ANMLTEC	3101.01T	Equine Marketing.	1	ANMLTEC	3140T	Animal Anatomy and Physiology	4
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	ANMLTEC	3131T	Equine Feeding & Nutrition	3	ANMLTEC	3161T	Applied Equine Reproductive Mgt.	2
	BIOLOGY	1113	Energy Transfer and Development	4	COMPSTD RELSTDS OR	2301 or 2370	Intro to World Literature Intro to Comparative Religion Technical Elective	2-3
<i>Maintain at least a 2.0 cumulative GPA.</i>	COMPSTD RELSTDS OR	2301 or 2370	Intro to World Literature Intro to Comparative Religion Technical Elective	2-3	MUSIC HISTORY	2250 or 1152	Music Cultures of the World American Civilization since 1877	3
<i>Graduate with Associate of Science Degree.</i>			Total:	16-17				Total: 15-16
					Total credit hours for Associate of Science Degree: 64			
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Internship should be completed by end of this summer.</i>	ANIMSCI	2200.02	Intro. Animal Sci. Laboratory (if not taken at ATI)	1	ANIMSCI	2367	Animals in Society	3
<i>Half of minor should be completed by the end of the year.</i>	ANIMSCI	2200.03	Animal Systems	2	ANIMSCI	3150	Principles of Genetic Improvement ^c	3
	ANIMSCI	2260	Data Analysis	3	ANIMSCI	3160	Reproductive Physiology	3
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	ANIMSCI	3130	Principles of Animal Nutrition	3	ANIMSCI	3200	Applied Animal Bioscience Laboratory	2
	ANIMSCI	3170	Animal Health I	2			Minor Course	3
			Minor Course	3				
			Total:	14				Total: 14
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Maintain at least a 2.0 GPA in the major, minor, and cumulative.</i>			Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3	ANIMSCI	2000	Animal Handling	2
<i>Graduate with Bachelor of Science Degree.</i>	ANIMSCI	3191	Internship ^c	2	ANIMSCI		Production Course 1	4
	ANIMSCI	4597	Contemporary Issues	3			Minor Course	3
			Additional Science ^c	3-5			Elective Course	3
			Minor Course	3			Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3
			Total:	14-16				Total: 15
					Total credit hours for Bachelor of Science Degree: 121			

^a If ANMLTEC 2800T (2 crs) is taken, 3 credits of technical elective are required. If ANMLTEC 2801T (3 crs) is taken, 2 credits of technical elective are required.

^b One possible course from approved CFAES GE list or B.S. major requirement that has multiple options, as outlined in corresponding Degree Requirements document.

^c This course requirement may also be completed at ATI and may be used as an elective in the A.S. major. See Degree Requirements for complete details.

ANIMAL SCIENCES MAJOR – HORSE SPECIALIZATION (A.S.) INTERESTED IN ANIMAL SCIENCES MAJOR – ANIMAL INDUSTRIES SPECIALIZATION (B.S.)

This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S.) Degree with an Animal Sciences major and specialization in Horse and a Bachelor of Science (B.S.) Degree with a major in Animal Sciences and specialization in Animal Industries. The tables below outline the complete degree requirements to earn a B.S. in Agriculture with a major in Animal Sciences and specialization in Animal Industries. The underlined courses are those that also fulfill a requirement for the A.S. Animal Sciences major with a specialization in Horse. These courses can count toward both degree programs simultaneously.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Subject	Course Options	Hours	✓
Survey Courses	<u>GENSTDS 1201.01T*</u> OR FAES 1100 and <u>ANMLTEC 1201.01T*</u> OR ANIMSCI 1100	.5 .5	
Writing Level 1	<u>ENGLISH 1110</u>	3	
Writing Level 2	ANIMSCI 2367● or other course from approved CFAES GE list. ^b	3	
Oral Communication	<u>AGRCOMM 3130</u> or COMM 2110	3	
Math 1	<u>MATH 1148</u>	4	
Data Analysis	ANIMSCI 2260	3	
Biological Science	<u>BIOLOGY 1113</u>	4	
Physical Science	<u>CHEM 1110</u> or <u>1210</u>	5	
Additional Science	<u>ANMLTEC 3140T*</u> ^a or ANIMSCI 3140	3 ^a	
Additional Science	BIOLOGY 1114, CHEM 1220, <u>MICRBIO 4000.01</u> , MOLGEN 4500, or PHYSICS 1200	3-5	
Social Science 1	<u>RURLSOC 1500●</u> or <u>SOCIOL 1101●</u>	3	
Social Science 2	<u>AEDECON 2001</u> or ECON 2001	3	
Historical Study	<u>HISTORY 1152</u> or other course from approved CFAES GE list. ^b	3	
Culture & Ideas or Historical Study	<u>RELSTDS 2370▲</u> or other course from approved CFAES GE list. ^b	3	
Literature	<u>COMPSTD 2301▲</u> or other course from approved CFAES GE list. ^b	3	
Art	<u>MUSIC 2250▲</u> or other course from approved CFAES GE list. ^b	3	
Minor ^c	Requirements vary with minor.	12	
Major	See Table 2.	40	
Contemporary Issues	ANIMSCI 4597 or other course from approved CFAES GE list. ^b	3	
Internship	ANIMSCI 3191 or <u>ANMLTEC 3191.01T*</u>	2	
Electives	(May include <u>ANMLTEC 2800T*</u> and <u>2801T*</u>)	12-14	
Minimum Total Credit Hours		121	

^a Extra credit hour(s) from the ATI courses will count toward the major electives

^b Available at www.cfaes.osu.edu/students.

^c Cannot select as a first minor in Equine Science, Animal Nutrition, Dairy Science, Human and Animal Interaction, Animal Pre-Veterinary Medicine, or Animal Science. Students with a large animal interest are encouraged to pursue the Production Agriculture or Ag Business minors.

^d Additional ANMLTEC courses may be used to fulfill this requirement. Maximum 2 cr of practicum may be used toward major electives. See *Animal Sciences Matrix* for details.

^e Prereq: 9 credit hours in 3000 level or higher Animal Science courses

^f Prereq: BIOCHEM 4511

^g Prereq: ANIMSCI/MEATSCI 3110

* courses are only offered at the Wooster (ATI) Campus

Note: A capital OR separates a pair of equivalent courses, a lowercase or separates a choice between different courses that fulfill the same requirement

Course(s)	Hours	✓
ANIMSCI 2000 Animal Handling	2	
ANIMSCI 2200.01 & 2200.02 OR <u>ANIMSCI 2200.01 & ANMLTEC 2200.02T*</u> OR <u>ANMLTEC 2200T* & 2300T*</u> Intro Animal Sciences w/ Lab	4	
ANIMSCI 2200.03 Animal Systems	2	
ANIMSCI 3130 Principles of Animal Nutrition	3	
ANIMSCI 3150 Principles of Genetic Improvement OR <u>ANMLTEC 3150T*</u> Livestock Genetic Improvement ^d	3	
ANIMSCI 3160 Reproductive Physiology	3	
ANIMSCI 3170 Animal Health ^d	2	
ANIMSCI 3200 Applied Animal Bioscience Laboratory	2	
Production Course 1 Options (one from the following): ANIMSCI 4002.01 & 4002.02 Beef Cattle Prod. & Mgmt./Lab OR ANIMSCI 4003.01 & 4003.02 Swine Production/Lab OR ANIMSCI 4004.01 & 4004.02 Small Rum & Pseudo Rum/Lab OR ANIMSCI 4005 Companion Animal Biology & Behavior OR ANIMSCI 4006.01 & 4006.02 Poultry & Avian Mgmt/Lab OR ANIMSCI 4007 Dairy Herd Management	4	
Production Course 2 Options (one from the following): a) <u>ANMLTEC 3151T*</u> Horse Breeding and Selection AND ^a <u>ANMLTEC 3161T*</u> Applied Equine Reproductive Mgmt. b) An additional selection from Production Course 1 options ^d c) ANIMSCI 5100 Advanced Growth & Development ^e d) ANIMSCI 5530 Comparative Animal Nutrient Metabolism ^f e) ANIMSCI/MEATSCI 5810 Branded Meat Products ^g f) A long-term study abroad experience g) Two short term study abroad experiences h) ANIMSCI 4189 Field Exp. (requires approval; letter graded)	3-4	
Animal Industries Selection (one from the following): <u>ANMLTEC 3101.01T*</u> Equine Marketing AND <u>ANMLTEC 3101.02T*</u> Equine Facility Management ^a OR ANIMSCI 3101 Equine Facilities Management & Training OR ANIMSCI 3100 Intro. to Animal Growth & Development OR ANIMSCI 3105 Domestication & Selection of Dogs OR ANIMSCI 3147 Milk Secretion OR ANIMSCI 4400 Anim. Welfare & Behavior in Livestock Stds. OR ANIMSCI 5031 Ruminant Nutrition OR ANIMSCI 5032 Non-Ruminant Nutrition OR ANIMSCI 5033 Feeding Mgt. & Records Analysis for Dairy Cattle OR Course from the Poultry Consortium	2-3	
Major Electives (May include <u>ANMLTEC 2189.01T</u> , <u>2201T</u> , <u>2811T</u> , <u>3131T</u> , <u>3201T</u> , and <u>3171T*</u>) ^d	8-10	
Total Major Credit Hours	40	

Additional Bachelor's Degree Requirements:

1. All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
2. A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
3. Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
4. Applications to graduate must be submitted at least three semesters in advance.