

ANIMAL SCIENCES MAJOR – BEEF 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 Beef specialization and a Bachelor of Science Degree in Agriculture with a major in Animal Sciences Animal Industries specialization. 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>	ANIMSCI	2200.01	Introductory Animal Sciences	3	AGRCOMM	3130	Oral Expression in Ag	3
	ANMLTEC	1201.02T	Exploring Livestock Careers and Industry	.5	ANMLTEC	2200.02T	Intro to Animal Sciences Lab	1
<i>ENGLISH 1110 should be completed by the end of this year.</i>	ANMLTEC	2202T	Intro to Beef and Small Ruminant Production	3	ANMLTEC	3170T	Prin. of Livestock Health	3
<i>Chemistry requirement should be completed by the end of this year.</i>	ENGLISH	1110.01	First-Year English Comp.	3	CHEM	1110 or 1210	Elementary Chemistry General Chemistry I	5
<i>Begin to consider study abroad programs.</i>	GENSTDS	1201.01T	College Orientation	.5	CRPSOIL	2412T	Technology and Field Mgt of Forage Crops	3
	MATH	1148	College Algebra	4	MUSIC HISTORY	2250 or 1152	Music Cultures of the World American Civilization since 1877	3
			Total:	14			Total:	18
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>All specialization courses should be completed by the end of this year.</i>	AEDECON	2001	Principles of Food and Resource Economics	3	ANMLTEC	2582.02T	Food Animal Resource Management II – Beef	1
<i>Begin to consider an internship location (not req'd for A.S. Degree)</i>	ANMLTEC	2510.02T	Food Animal Resource Management I - Beef	1	ANMLTEC	3132T	Ruminant Feeds and Feeding	3
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	BIOLOGY	1113	Bio Sci: Energy Transfer & Development	4	ANMLTEC	3140T	Animal Anatomy and Physiology	4
<i>Maintain at least a 2.0 cumulative GPA.</i>	COMPSTD RELSTDS	2301 or 2370	Intro to World Literature Intro to Comparative Religion	3	ANMLTEC	3150T	Livestock Genetic Improvement	3
<i>Graduate with Associate of Science Degree.</i>	CRPSOIL	2228T	Manure Management	3	ANMLTEC	3402T	Beef Production and Mgmt.	4
			Total:	14	RURLSOC	1500	Intro. to Rural Sociology	3
							Total:	18
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	2200.03	Animal Systems	2	ANIMSCI	2367	Animals in Society	3
	ANIMSCI	2260	Data Analysis	3	ANIMSCI	3160	Repro. Physiology	3
<i>Half of minor should be completed by the end of the year.</i>	ANIMSCI	3130	Principles of Animal Nutrition	3	ANIMSCI	3200	Applied Animal Bioscience Laboratory	2
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	_____	_____	Lit/Hist/Cul&Ideas (course not taken at ATI)	3	_____	_____	Additional Science	3-5
	_____	_____	Minor Course	4	_____	_____	Minor Course	3
			Total:	15			Total:	14-16
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Graduate with Bachelor of Science Degree.</i>	ANIMSCI	_____	Animal Industries Selection	2-3	ANIMSCI	2000	Animal Handling	2
	ANIMSCI	3191	Internship	2	_____	_____	Lit/Hist/Cul&Ideas (course not taken at ATI)	3
<i>Maintain at least a 2.0 GPA in the major, minor, and cumulative.</i>	ANIMSCI	4597	Contemporary Issues	3	ANIMSCI	_____	Production Course 1	4
	_____	_____	Major Elective	3	_____	_____	Minor Course	2
	_____	_____	Minor Course	3	_____	_____	Elective Course	4
			Total:	13-14			Total:	15
Total credit hours for Bachelor of Science Degree: 121								

ANIMAL SCIENCES MAJOR – BEEF 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 Beef 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 may also fulfill a requirement for the A.S. Animal Sciences major with a specialization in Beef. These courses can count toward both degree programs simultaneously.

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Subject	Course Options	Hours	✓
Survey Courses	<u>GENSTDS 1201.01T*</u> OR FAES 1100 and <u>ANMLTEC 1201.02T*</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, MICR BIO 4000.01, 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 3191.02T*</u>	2	
Electives	(May include <u>CRPSOIL 2228T*</u> and <u>CRPSOIL 2412T*</u>)	12-14	
Minimum Total Credit Hours		121	

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*</u> & <u>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 1 OR <u>ANMLTEC 3170T*</u> Principles of Livestock Health ^{a, d}	2 ^a	
ANIMSCI 3200 Applied Animal Bioscience Laboratory	2	
Production Course 1 Options (one from the following): ANIMSCI 4001 Equine Production 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 2202T*</u> Intro. Beef & Small Ruminant Production ^e AND <u>ANMLTEC 3402T*</u> Beef Production & Management ^a b) An additional selection from Production Course 1 options ^e c) ANIMSCI 5100 Advanced Growth & Development ^f d) ANIMSCI 5530 Comparative Animal Nutrient Metabolism ^g e) ANIMSCI/MEATSCI 5810 Branded Meat Products ^h 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): 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 ANIMSCI 3306 Introduction to Poultry Science & Evaluation	2-3	
Major Electives (May include <u>ANMLTEC 2510.02T</u> , <u>2582.02T</u> , and <u>3132T*</u> ^d)	8-10	
Total Major Credit Hours	40	

Additional Bachelor's Degree Requirements:

- 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.
- A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
- 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.
- Applications to graduate must be submitted at least three semesters in advance.

^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 of 2 cr of practicum may be used toward major electives. See *Animal Sciences Matrix* for details.

^e If students complete ANMLTEC 3404T in addition to 2202T & 3402T, they will receive credit for both ANIMSCI 4002 and 4004.

^f Prereq: 9 credit hours in 3000 level or above Animal Science courses

^g Prereq: BIOCHEM 4511

^h 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