

Reed, Katie

From: Neal, Steve
Sent: Thursday, July 27, 2017 1:23 PM
To: Smith, Randy
Cc: Reed, Katie; Martin, Linda
Subject: Proposed revision of ATI Animal Sciences AS program
Attachments: ATI Animal Sciences AS Au 2017.pdf

Randy,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision of the Animal Sciences associate of science (AS) major offered at the Agricultural Technical Institute (see attached proposal). This proposal was developed in consultation with the Department of Animal Sciences to respond to changes made previously in the BS major, and to improve the transition for students between ATI and the Columbus campus (AS to BS degree). The ATI program is being modified to better align nutrition courses across the species resulting in a reduction in credit hours for the degree (reduced from 65 to 64). All of the corresponding course changes in the proposal have been submitted through curriculum.osu.edu.

In addition, ATI is proposing to add a new Animal Health (ANH) specialization to this major. This new specialization was designed as a result of an initiative by the Department of Animal Sciences in collaboration with the College of Veterinary Medicine, to include students beginning their education at ATI, in the Veterinary Early Commitment program. The College of Veterinary Medicine is interested in increasing the number of students pursuing large animal veterinary medicine through students beginning their education on the ATI Wooster campus.

The proposal consists of a current and proposed curriculum plan and course sequence for each of the existing specializations (Beef, Dairy, Horse, Small Ruminant, Swine), and a proposed curriculum plan and course sequence for the new Animal Health specialization. We are requesting that if possible, this proposal be approved effective for autumn semester 2017.

This proposal was reviewed and approved by the faculty of the ATI Agricultural and Engineering Technologies Division, the ATI Academic Affairs Committee, and the College Academic Affairs Committee. Concurrence has also been provided by the Department of Animal Sciences. Please let me know if any additional information is needed in support of this request.

Steve



Steven M. Neal, Ph.D.

Professor and Assistant Dean for Academic Affairs
College of Food, Agricultural, and Environmental Sciences
100E Agricultural Administration, 2120 Fyffe Rd. Columbus, OH 43210
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neal.2@osu.edu



May 24, 2017

Dr. Steve Neal
Assistant Dean for Academic Affairs
100E Agricultural Administration Building
2120 Fyffe Rd
Columbus, OH 43210

Dear Dr. Neal,

Enclosed please find the proposed new Associate of Science Animal Sciences (ANIMSC-AS) Animal Health (ANH) specialization, along with the curriculum plan and course sequence changes for the Associate of Science Animal Sciences Beef (BEF), Dairy (DRY), Horse (HRS), Small Ruminant (SMR) and Swine (SWN) specializations submitted for consideration by the FAES Academic Affairs Committee.

The proposed revisions to the current program and addition of the new specialization were developed in collaboration with the Department of Animal Sciences. These proposed changes continue to improve transition from the Associate of Science to the Bachelor of Science degree program. The new specialization was designed to take advantage of an initiative coordinated by the Department of Animal Sciences in collaboration with the College of Veterinary Medicine to include students starting their degree program on the Wooster campus in the Veterinary Early Commitment Program. The proposed revisions/addition for the specializations are:

Beef (BEF) and Small Ruminant (SMR) Specializations:

- ANMLTEC 3130T removed (-2)
- ANMLTEC 3132T changed from 2 to 3 credits (+1)
- ANMLTEC 2300T moved from AU 1st year to SP 1st year
- Total credit hours changed from 65 to 64.

Swine (SWN) Specialization:

- ANMLTEC 3130T removed (-2)
- ANMLTEC 3133T changed from 2 to 3 credits (+1)
- ANMLTEC 2300T moved from AU 1st year to SP 1st year
- Total credit hours changed from 65 to 64

Dairy (DRY) Specialization:

- ANMLTEC 3130T removed (-2)
- ANMLTEC 3137T changed from 2 to 3 credits (+1)
- ANMLTEC 3191.07T removed (-2)
- ANMLTEC 2787T changed from 2 credits (taken twice) to 1 credit (taken twice) (-2)
- ANMLTEC 3887T added (+4)
- AGRCOMM 3130 moved from SP 2nd year to AU 2nd year
- Total credit hours changed from 65 to 64
-

Horse (HRS) Specialization:

- ANMLTEC 3130T removed (-2)
- ANMLTEC 3131T changed from 2 to 3 credits (+1)
- Total credit hours changed from 65 to 64.

Animal Health (ANH) Specialization: NEW

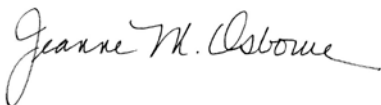
The proposed new Associate of Science Animal Sciences Animal Health (ANH) specialization, along with proposed changes to the current curriculum plan and course sequence for the Associate of Science Animal Sciences Beef (BEF), Dairy (DRY), Horse (HRS), Small Ruminant (SMR) and Swine (SWN) specializations were approved by the Agricultural and Engineering Technologies Division at Ohio State ATI and the Ohio State ATI Academic Affairs committee. Additionally, concurrence for proposed new specialization and revisions to the current specializations has been provided by the Department of Animal Sciences. Ohio State ATI is committed to protecting the academic progress of students. This program change will not disrupt progress toward degree for students enrolled in this degree program. Course substitutions and manual management of the degree audits will occur as needed for students enrolled in this degree program during the transition. When appropriate, coursework completed by students under the current degree program will be utilized for completion of the proposed degree program.

Enclosed please find the following documents:

- Current curriculum plans and course sequences for the Associate of Science Animal Sciences Beef (BEF), Dairy (DRY), Horse (HRS), Small Ruminant (SMR) and Swine (SWN) specializations.
- Proposed curriculum plans and course sequences for the Associate of Science Animal Sciences Animal Health (ANH), Beef (BEF), Dairy (DRY), Horse (HRS), Small Ruminant (SMR) and Swine (SWN) specializations.
- Letter of concurrence from the Department of Animal Sciences.

Please let me know if there are questions, or if additional information or documentation is required to accompany this submission. We look forward to hearing from the FAES Academic Affairs Committee regarding next steps in the approval process.

Sincerely,



Jeanne M. Osborne
Assistant Director, Academic Affairs

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Beef Specialization**

Ohio State ATI		Major: Beef Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.02T	1
Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2582.02T	1
		ANMLTEC 3130T	2
		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS BEF
Catalog Year
2016-2017**

**Animal Sciences
Beef Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
CRPSOIL 2412T	Forage Crops	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		17
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.02T	Food Animal Resource Management I - Beef	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II - Beef	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
	Total Credits	65

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Beef Specialization**

CURRENT Proposed changes highlighted

Ohio State ATI		Major: Beef Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001	3
		RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.02T	1
		ANMLTEC 2582.02T	1
		ANMLTEC 3130T	2
		ANMLTEC 3132T	23
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
		Total Transferable and Major Courses	2625
DEGREE TOTAL	60-65	DEGREE TOTAL	6564

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS BEF
Catalog Year
2016-2017**

**Animal Sciences
Beef Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
		1514
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry I	5
CRPSOIL 2412T	Forage Crops	3
MUSIC 2250 or	Music Cultures of the World	3
HISTORY 1152	or American Civilization Since 1877	3
		1718
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.02T	Food Animal Resource Management I - Beef	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 or	Introduction to World Literature	3
RELSTDS 2370	or Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	3
		1614
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II - Beef	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	23
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	3
		1718
	Total Credits	6564

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Beef Specialization**

Ohio State ATI		Major: Beef Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001	3
		RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.02T	1
		ANMLTEC 2582.02T	1
		ANMLTEC 3132T	3
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS BEF
Catalog Year
2017-2018**

**Animal Sciences
Beef Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		14
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		18
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.02T	Food Animal Resource Management I - Beef	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		14
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II - Beef	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		18
	Total Credits	64

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Dairy Specialization**

Ohio State ATI		Major: Dairy Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 OR 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.07T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
		ANMLTEC 3140T	4
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2787T (2 credits for 2 semesters)	4
		ANMLTEC 3130T	2
		ANMLTEC 3137T	2
		ANMLTEC 3157T	3
		ANMLTEC 3167T	4
		ANMLTEC 3177T	4
		ANMLTEC 3191.07T	2
		ANMLTEC 3207T	2
		ANMLTEC 3407T	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

ANIMSC-AS DRY
Catalog Year
2016-2017

Animal Sciences
Dairy Specialization
Associate of Science

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.07T	Exploring Dairy Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		17
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 3177T	Dairy Cattle Health Management	4
CHEM 1110 <u>or</u> 1210 **	Elementary Chemistry <u>or</u> General Chemistry 1	5
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
<u>Summer Term</u>		
*ANMLTEC 3191.07T	Dairy Industry Internship	<u>2</u>
		2
<u>2nd Year – Autumn Semester</u>		
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	2
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3137T	Dairy Cattle Feeding Management	2
ANMLTEC 3407T	Dairy Cattle Facilities, Environment and Equipment	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	2
ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	<u>3</u>
		15
	Total Credits	65

*A grade of C or better required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Dairy Specialization**

CURRENT Proposed Changes Highlighted

Ohio State ATI		Major: Dairy Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 OR 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.07T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
		ANMLTEC 3140T	4
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2787T (2 1 credits for 2 semesters)	42
		ANMLTEC 3130T	2
		ANMLTEC 3137T	23
		ANMLTEC 3157T	3
		ANMLTEC 3167T	4
		ANMLTEC 3177T	4
		ANMLTEC 3191.07T	2
		ANMLTEC 3207T	2
		ANMLTEC 3407T	3
		ANMLTEC 3887T	4
	Total Transferable and Major Courses	2625	
DEGREE TOTAL	60-65	DEGREE TOTAL	6564

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS DRY
Catalog Year
2016-2017**

**Animal Sciences
Dairy Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.07T	Exploring Dairy Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		17
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 3177T	Dairy Cattle Health Management	4
CHEM 1110 <u>or</u> 1210 **	Elementary Chemistry <u>or</u> General Chemistry 1	5
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
<u>Summer Term</u>		
<u>*ANMLTEC 3191.07T</u>	<u>Dairy Industry Internship</u>	<u>2</u>
		2
<u>2nd Year – Autumn Semester</u>		
<u>AGRCOMM 3130</u>	<u>Oral Expression in Agriculture</u>	<u>3</u>
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	<u>21</u>
<u>ANMLTEC 3130T</u>	<u>Principles of Animal Nutrition</u>	<u>2</u>
ANMLTEC 3137T	Dairy Cattle Feeding Management	<u>23</u>
ANMLTEC 3407T	Dairy Cattle Facilities, Environment and Equipment	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		1617
<u>2nd Year – Spring Semester</u>		
<u>AGRCOMM 3130</u>	<u>Oral Expression in Agriculture</u>	<u>3</u>
ANMLTEC 3140T	Animal Anatomy and Physiology	4
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	<u>21</u>
<u>ANMLTEC 3887T</u>	<u>Integrated Dairy Farm Business Management</u>	<u>4</u>
ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	<u>3</u>
		15
	Total Credits	<u>6564</u>

*A grade of C or better required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Dairy Specialization**

PROPOSED

Ohio State ATI		Major: Dairy Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 OR 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.07T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
		ANMLTEC 3140T	4
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2787T (1 credit for 2 semesters)	2
		ANMLTEC 3137T	3
		ANMLTEC 3157T	3
		ANMLTEC 3167T	4
		ANMLTEC 3177T	4
		ANMLTEC 3207T	2
		ANMLTEC 3407T	3
		ANMLTEC 3887T	4
		Total Transferable and Major Courses	25
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS DRY
Catalog Year
2017-2018**

**Animal Sciences
Dairy Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.07T	Exploring Dairy Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		17
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 3177T	Dairy Cattle Health Management	4
CHEM 1110 <u>or</u> 1210 **	Elementary Chemistry <u>or</u> General Chemistry 1	5
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
<u>2nd Year – Autumn Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	1
ANMLTEC 3137T	Dairy Cattle Feeding Management	3
ANMLTEC 3407T	Dairy Cattle Facilities, Environment and Equipment	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		17
<u>2nd Year – Spring Semester</u>		
ANMLTEC 3140T	Animal Anatomy and Physiology	4
*ANMLTEC 2787T	Applied Dairy Herd Practices & Management	1
ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
ANMLTEC 3887T	Integrated Dairy Farm Business Management	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	<u>3</u>
		15
	Total Credits	64

*A grade of C or better required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Horse Specialization**

Ohio State ATI		Major: Horse Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.01T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2189.01T (2 courses @ 1 cr./each)	2
		ANMLTEC 2201T	3
		ANMLTEC 3101T	4
		ANMLTEC 3130T	2
		ANMLTEC 3131T	2
		ANMLTEC 3151T	3
		ANMLTEC 3161T	2
		ANMLTEC 3171T	3
		<u>Technical Electives (5 credits):</u>	
		ANMLTEC 2300T	1
		ANMLTEC 2801T	3
		ANMLTEC 2811T	3
		ANMLTEC 3150T	3
		ANMLTEC 3191.01T	2
		ANMLTEC 3201T	2
MICRBIO 4000	4		
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

Course	Title	Credits
<u>1st Year-Autumn Semester</u>		
ANMLTEC 1201.01T	Exploring Equine Careers and Industry	0.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2201T	Introduction to Horse Science	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	0.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
<u>1st Year-Spring Semester</u>		
ANMLTEC 3151T	Horse Breeding and Selection	3
ANMLTEC 3171T	Horse Health and Disease	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	<u>5</u>
		15
<u>2nd Year-Autumn Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3101T	Equine Marketing and Facility Management	4
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
TECH ELECTIVE	Select from approved list	<u>3</u>
		17
<u>2nd Year-Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3131T	Equine Feeding and Nutrition	2
ANMLTEC 3161T	Applied Equine Reproductive Management	2
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	3
TECH ELECTIVE	Select from approved list	<u>2</u>
		16
	Total Credits	65

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ANIMSC-AS HRS
Catalog Year
2016-2017**

**Animal Sciences
Horse Specialization
Associate of Science**

CURRENT

Technical Electives – minimum: 5 credits required

<u>Course</u>	<u>Title</u>	<u>Credits</u>
ANMLTEC 2300T	Introduction to Animal Science Laboratory	1
ANMLTEC 2801T	Horsemanship and Equitation	3
ANMLTEC 2811T	Schooling and Training the Riding Horse	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3191.01T	Equine Industry Internship Experience	1-3
ANMLTEC 3201T	Horse Judging and Evaluation	2
MICRBIO 4000	Basic and Practical Microbiology	4

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Horse Specialization**

CURRENT Proposed Changes Highlighted

Ohio State ATI		Major: Horse Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.01T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2189.01T (2 courses @ 1 cr./each)	2
		ANMLTEC 2201T	3
		ANMLTEC 3101T	4
		ANMLTEC 3130T	2
		ANMLTEC 3131T	23
		ANMLTEC 3151T	3
		ANMLTEC 3161T	2
		ANMLTEC 3171T	3
		<u>Technical Electives (5 credits):</u>	
		ANMLTEC 2300T	1
		ANMLTEC 2801T	3
		ANMLTEC 2811T	3
		ANMLTEC 3150T	3
		ANMLTEC 3191.01T	2
		ANMLTEC 3201T	2
	MICRBIO 4000	4	
	Total Transferable and Major Courses	2625	
DEGREE TOTAL	60-65	DEGREE TOTAL	6564

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

Course	Title	Credits
<u>1st Year-Autumn Semester</u>		
ANMLTEC 1201.01T	Exploring Equine Careers and Industry	0.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2201T	Introduction to Horse Science	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	0.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
<u>1st Year-Spring Semester</u>		
ANMLTEC 3151T	Horse Breeding and Selection	3
ANMLTEC 3171T	Horse Health and Disease	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	<u>5</u>
		15
<u>2nd Year-Autumn Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3101T	Equine Marketing and Facility Management	4
ANMLTEC 3130T	Principles of Animal Nutrition	<u>2</u>
ANMLTEC 3140T	Animal Anatomy and Physiology	4
TECH ELECTIVE	Select from approved list	<u>3</u>
		1715
<u>2nd Year-Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3131T	Equine Feeding and Nutrition	<u>23</u>
ANMLTEC 3161T	Applied Equine Reproductive Management	2
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	3
TECH ELECTIVE	Select from approved list	<u>2</u>
		1617
	Total Credits	6564

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ANIMSC-AS HRS
Catalog Year
2016-2017**

**Animal Sciences
Horse Specialization
Associate of Science**

CURRENT

Technical Electives – minimum: 5 credits required

<u>Course</u>	<u>Title</u>	<u>Credits</u>
ANMLTEC 2300T	Introduction to Animal Science Laboratory	1
ANMLTEC 2801T	Horsemanship and Equitation	3
ANMLTEC 2811T	Schooling and Training the Riding Horse	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3191.01T	Equine Industry Internship Experience	1-3
ANMLTEC 3201T	Horse Judging and Evaluation	2
MICRBIO 4000	Basic and Practical Microbiology	4

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Horse Specialization**

Ohio State ATI		Major: Horse Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.01T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2189.01T (2 courses @ 1 cr./each)	2
		ANMLTEC 2201T	3
		ANMLTEC 3101T	4
		ANMLTEC 3131T	3
		ANMLTEC 3151T	3
		ANMLTEC 3161T	2
		ANMLTEC 3171T	3
		<u>Technical Electives (5 credits):</u>	
		ANMLTEC 2300T	1
		ANMLTEC 2801T	3
		ANMLTEC 2811T	3
		ANMLTEC 3150T	3
		ANMLTEC 3191.01T	2
		ANMLTEC 3201T	2
MICRBIO 4000	4		
		Total Transferable and Major Courses	25
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS HRS
Catalog Year
2017-2018**

**Animal Sciences
Horse Specialization
Associate of Science**

Course	Title	Credits
<u>1st Year-Autumn Semester</u>		
ANMLTEC 1201.01T	Exploring Equine Careers and Industry	0.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2201T	Introduction to Horse Science	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	0.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
<u>1st Year-Spring Semester</u>		
ANMLTEC 3151T	Horse Breeding and Selection	3
ANMLTEC 3171T	Horse Health and Disease	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	<u>5</u>
		15
<u>2nd Year-Autumn Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3101T	Equine Marketing and Facility Management	4
ANMLTEC 3140T	Animal Anatomy and Physiology	4
TECH ELECTIVE	Select from approved list	<u>3</u>
		15
<u>2nd Year-Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 2189.01T*	Horse Practicum	1
ANMLTEC 3131T	Equine Feeding and Nutrition	3
ANMLTEC 3161T	Applied Equine Reproductive Management	2
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	3
TECH ELECTIVE	Select from approved list	<u>2</u>
		17
	Total Credits	64

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ANIMSC-AS HRS
Catalog Year
2017-2018**

**Animal Sciences
Horse Specialization
Associate of Science**

Technical Electives – minimum: 5 credits required

<u>Course</u>	<u>Title</u>	<u>Credits</u>
ANMLTEC 2300T	Introduction to Animal Science Laboratory	1
ANMLTEC 2801T	Horsemanship and Equitation	3
ANMLTEC 2811T	Schooling and Training the Riding Horse	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3191.01T	Equine Industry Internship Experience	1-3
ANMLTEC 3201T	Horse Judging and Evaluation	2
MICRBIO 4000	Basic and Practical Microbiology	4

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Small Ruminant Specialization**

Ohio State ATI		Major: Small Ruminant Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001	3
		RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.04T	1
Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2582.04T	1
		ANMLTEC 3130T	2
		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3404T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS SMR
Catalog Year
2016-2017**

**Animal Sciences
Small Ruminant Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
CRPSOIL 2412T	Forage Crops	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		17
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.04T	Food Animal Resource Management I-Small Ruminants	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management I - Small Ruminants	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
	Total Credits	65

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Small Ruminant Specialization**

CURRENT Proposed Changes Highlighted

Ohio State ATI		Major: Small Ruminant Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001	3
		RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.04T	1
		ANMLTEC 2582.04T	1
		ANMLTEC 3130T	2
		ANMLTEC 3132T	23
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3404T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
DEGREE TOTAL	60-65	DEGREE TOTAL	6564

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS SMR
Catalog Year
2016-2017**

**Animal Sciences
Small Ruminant Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
		1514
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry I	5
CRPSOIL 2412T	Forage Crops	3
MUSIC 2250 or	Music Cultures of the World	3
HISTORY 1152	or American Civilization Since 1877	<u>3</u>
		1718
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.04T	Food Animal Resource Management I-Small Ruminants	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 or	Introduction to World Literature	3
RELSTDS 2370	or Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		1614
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management I - Small Ruminants	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	23
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		1718
	Total Credits	6564

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Small Ruminant Specialization**

Ohio State ATI		Major: Small Ruminant Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2202T	3
		ANMLTEC 2300T	1
		ANMLTEC 2510.04T	1
		ANMLTEC 2582.04T	1
		ANMLTEC 3132T	3
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3404T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
		Total Transferable and Major Courses	25
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS SMR
Catalog Year
2017-2018**

**Animal Sciences
Small Ruminant Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		14
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 <u>or</u> 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
MUSIC 2250 <u>or</u>	Music Cultures of the World	
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
		18
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.04T	Food Animal Resource Management I-Small Ruminants	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		14
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management I - Small Ruminants	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		18
	Total Credits	64

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Swine Specialization**

Ohio State ATI		Major: Swine Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree		ANMLTEC 2300T	1
		ANMLTEC 2510.03T	1
		ANMLTEC 2582.03T	1
Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2603T	3
		ANMLTEC 3130T	2
		ANMLTEC 3133T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3403T	4
		CRPSOIL 2228T	3
		Transferable Elective	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

ANIMSC-AS SWN
Catalog Year
2016-2017

Animal Sciences
Swine Specialization
Associate of Science

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
MATH 1148	College Algebra	4
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 or 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
MUSIC 2250 <u>or</u>	Music Cultures of the World	3
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
Transferable Elective	Consult with Advisor	17
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.03T	Food Animal Resource Management I - Swine	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Principles of Swine Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
	Total Credits	65

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Swine Specialization**

CURRENT Proposed Changes Highlighted

Ohio State ATI		Major: Swine Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001	3
		RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree		ANMLTEC 2300T	1
		ANMLTEC 2510.03T	1
		ANMLTEC 2582.03T	1
Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2603T	3
		ANMLTEC 3130T	2
		ANMLTEC 3133T	23
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3403T	4
		CRPSOIL 2228T	3
		Transferable Elective	3
		Total Transferable and Major Courses	2625
DEGREE TOTAL	60-65	DEGREE TOTAL	6564

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS SWN
Catalog Year
2016-2017**

**Animal Sciences
Swine Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
MATH 1148	College Algebra	4
GENSTDS 1201T	College Orientation	<u>.5</u>
		1514
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry I	5
MUSIC 2250 or	Music Cultures of the World	3
HISTORY 1152	or American Civilization Since 1877	<u>3</u>
Transferable Elective	Consult with Advisor	1718
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.03T	Food Animal Resource Management I - Swine	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 or	Introduction to World Literature	
RELSTDS 2370	or Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		1614
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Principles of Swine Nutrition	23
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		1718
Total Credits		6564

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Swine Specialization**

Ohio State ATI		Major: Swine Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 3130	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370*	3
		MUSIC 2250* or HISTORY 1152	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		ANMLTEC 1201.02T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2300T	1
		ANMLTEC 2510.03T	1
		ANMLTEC 2582.03T	1
		ANMLTEC 2603T	3
		ANMLTEC 3133T	3
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3403T	4
		CRPSOIL 2228T	3
		Transferable Elective	3
		Total Transferable and Major Courses	25
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ANIMSC-AS SWN
Catalog Year
2017-2018**

**Animal Sciences
Swine Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
MATH 1148	College Algebra	4
GENSTDS 1201T	College Orientation	<u>.5</u>
		14
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 3170T	Principles of Livestock Health	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
CHEM 1110 or 1210**	Elementary Chemistry <u>or</u> General Chemistry I	5
MUSIC 2250 <u>or</u>	Music Cultures of the World	3
HISTORY 1152	<u>or</u> American Civilization Since 1877	<u>3</u>
Transferable Elective	Consult with Advisor	18
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510.03T	Food Animal Resource Management I - Swine	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301 <u>or</u>	Introduction to World Literature	
RELSTDS 2370	<u>or</u> Introduction to Comparative Religion	3
CRPSOIL 2228T	Manure Management	<u>3</u>
		14
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Practical Swine Feeding	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		18
	Total Credits	64

* A grade of C or better is required to meet graduation requirements.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

**ASSOCIATE OF SCIENCE DEGREE
ANIMAL SCIENCES CURRICULUM PLAN
Animal Health Specialization**

Ohio State ATI		Major: Animal Health Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3 3	ENGLISH 1110.01 AGRCOMM 3130	3 3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	COMPSTD 2301* or RELSTDS 2370* MUSIC 2250* or HISTORY 1152	3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001 RURLSOC 1500	3 3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 BIOLOGY 1114 CHEM 1210 CHEM 1220	4 4 5 5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T or .01T or .07T	0.5 0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ANMLTEC 3140T ANMLTEC 2200T	4 3
Total General Education	37-40	Total General Education	48
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ANMLTEC 2300T ANMLTEC 3131T† or 3132T or 3133T, or 3137T ANMLTEC 3150T or 3157T† ANMLTEC 3170T or 3171T† or 3177T† **20Technical Electives	1 3 3 3 or 4 5 to 6
		Total Transferable and Major Courses	16
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**If ANMLTEC 3170T (3 cr) or ANMLTEC 3171T (3 cr) is taken, 6 technical elective credits are required. If ANMLTEC 3177T (4 cr) is taken, 5 technical elective credits are required.

† Equine courses are not eligible to fulfill requirements for the Veterinary Early Commitment Program (VECP); pre-VECP students should take ANMLTEC 3150T and 3170T for introductory animal genetics and health, respectively.

**ANIMSC-AS ANH
Catalog Year
2017-2018**

**Animal Sciences
Animal Health Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ANMLTEC 1201.02T	Exploring Livestock Careers and Industry (Other options: 1201.01T Equine, 1201.07T Dairy)	.5
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
**CHEM 1210	General Chemistry I	5
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		17
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 3170T	Principles of Livestock Health (3 cr)	
or †ANMLTEC 3171T	or Horse Health and Disease (3 cr)	
or †ANMLTEC 3177T	or Dairy Cattle Health Management (4 cr)	3/4
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEM 1220	General Chemistry II	<u>5</u>
		15-16
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
COMPSTD 2301	Introduction to World Literature	3
or RELSTDS 2370	or Introduction to Comparative Religion	
RURLSOC 1500	Introduction to Rural Sociology	3
*TECH ELECTIVES	Select from technical elective list	<u>2/3</u>
		15-16
<u>2nd Year – Spring Semester</u>		
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
or ANMLTEC 3133T	or Practical Swine Feeding	
or ANMLTEC 3137T	or Dairy Cattle Feeding Management	
or †ANMLTEC 3131T	or Equine Feeding and Nutrition	
ANMLTEC 3150T	Livestock Genetic Improvement	3
or †ANMLTEC 3157T	or Dairy Cattle Genetic Improvement	
BIOLOGY 1114	Bio Sci: Form, Function, Diversity, and Ecology	4
MUSIC 2250	Music Cultures of the World	3
or HISTORY 1152	or American Civilization Since 1877	
*TECH ELECTIVES	Select from technical elective list	<u>3</u>
		16
	Total Credits	64

* If ANMLTEC 3170T (3 cr) or ANMLTEC 3171T (3 cr) is taken, 6 technical elective credits are required.

If ANMLTEC 3177T (4 cr) is taken, 5 technical elective credits are required.

**Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M; or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above.

† Equine courses are not eligible to fulfill requirements for the Veterinary Early Commitment Program (VECP); pre-VECP students should take ANMLTEC 3150T and 3170T for introductory animal genetics and health, respectively.

**ANIMSC-AS ANH
Catalog Year
2017-2018**

**Animal Sciences
Animal Health Specialization
Associate of Science**

Technical Elective List (select at least 5 to 6 credits to meet degree credit requirement of 64)

As previously noted: if ANMLTEC 3170T (3 cr) or ANMLTEC 3171T (3 cr) is taken, then 6 technical elective credits are required; if ANMLTEC 3177T (4 cr) is taken, then 5 technical elective credits are required. *Prerequisites are noted when they include another course in the elective list.*

†ANMLTEC 2201T	Introduction to Horse Science	3
ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
ANMLTEC 2603T	Swine Production and Management I	3
†ANMLTEC 3151T	Horse Breeding and Selection	3
	<i>Prereq: ANMLTEC 2201T</i>	
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
†ANMLTEC 3191.01T	Equine Industry Internship Experience (Instructor permission)	1-3
◊ANMLTEC 3191.02T	Beef Industry Internship (Instructor permission)	2-3
◊ANMLTEC 3191.03T	Swine Industry Internship (Instructor permission)	2-3
◊ANMLTEC 3191.04T	Small Ruminant Industry Internship (Instructor permission)	2-3
◊ANMLTEC 3191.07T	Dairy Industry Internship (Instructor permission)	2-3
ANMLTEC 3200T	Livestock Selection and Evaluation	2
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ANMLTEC 3403T	Swine Production and Management II	4
	<i>Prereq: ANMLTEC 2603T, 3140T, 3170T</i>	
	<i>Prereq or Concur: ANMLTEC 3133T, 3150T</i>	
ANMLTEC 3407T	Dairy Cattle Facilities, Environment, & Equipment	3
	<i>Prereq: GENMATH 1040T or MATH 1050 or Math Placement Level R or higher</i>	
	<i>Prereq or Concur: ANMLTEC 3167T</i>	
AEDECON 2105	Managerial Records and Analysis	3
BUSTEC 2241T	Small Business Management	3
	<i>Prereq: AEDECON 2001 and 2105</i>	
BUSTEC 2244T	Human Resource Management and Leadership	3

A grade of C or better is required in the following technical elective options to meet graduation requirements: ANMLTEC 3191.01T, 3191.02T, 3191.03T, 3191.04T and 3191.07T.

VETERINARY EARLY COMMITMENT PROGRAM (VECP):

The Animal Sciences-AS, Animal Health Specialization prepares students desiring to apply to the OSU College of Veterinary Medicine early commitment program through the Department of Animal Sciences, and practice food animal veterinary medicine.

- ◊ Internship in Beef (3191.02), Swine (3191.03), Small Ruminant (3191.04) or Dairy (3191.07) is strongly recommended for the pre-VECP.
- † Equine classes are not eligible to fulfill requirements for the VECP.
- Students must be eligible to enroll in all first semester (1st Year – Autumn Semester) courses in order to be considered for the pre-VECP within the Animal Sciences Animal Health specialization; for example CHEM 1210, ENGLISH 1110, and Math placement level L or M.
- Pre-VECP students should take 2 specific species nutrition classes: a ruminant (ANMLTEC 3132T or 3137T) and a non-ruminant (ANMLTEC 3133T) nutrition course.
- Pre-VECP students should take ANMLTEC 3150T and 3170T as their choice for introductory animal genetics and health, respectively. ANMLTEC 3150T and 3170T broaden student awareness of multiple animal species.



May 20, 2017

To Whom It May Concern:

I have reviewed the proposed ATI ANIMSCI-AS degree program with a specialization in Animal Health. This letter provides support from the Department of Animal Sciences for this new program, which provides a path for students to apply to the Veterinary Early Commitment Program (VECP). I have also reviewed, and support, the proposed changes to the curriculum plans and course sequence changes for the Associate of Science Animal Sciences Beef, Dairy, Horse, Small Ruminant, and Swine specializations. The proposed changes reflect discussions between ATI and Columbus campus to better align and prepare students transitioning for a B.S. degree with a major in Animal Sciences on the Columbus campus.

Sincerely,

Pasha A Lyvers Peffer
Associate Professor & Academic Affairs Chair
Department of Animal Sciences, The Ohio State University