

Ohio State ATI

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January 12, 2016

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 curriculum plan for the Associate of Science in Animal Sciences (ANIMSCI-AS), with Beef (BEF), Dairy (DRY), Horse (HRS), Small Ruminant (SMR) and Swine (SWN) specializations, submitted for consideration by the FAES Academic Affairs Committee. The modifications of the current curriculum plan respond to the Ohio Department of Higher Education (ODHE) revised requirements for this degree program as indicated in the revised ODHE Guidelines and Procedures for Academic Program Review document, and are in alignment with the approved curriculum plan template for the Ohio State ATI Associate of Science degree program. The changes address the reduction in credit hours and alignment with the general education curriculum for this degree program. In addition, the proposed curriculum plan provides students with a course of study that will prepare them to transition smoothly to the corresponding four-year degree program(s) on the Columbus campus of The Ohio State University.

In conjunction with the Baccalaureate Animal Sciences program in Columbus, this program is being changed to take advantage of specific strengths found at the Ohio State ATI and Columbus campuses. As part of this program revision, the Associate of Science Livestock Science (LVSCI-AS) is being renamed to Animal Sciences (ANIMSCI-AS), two specializations (DRY and HRS) are being added to this program, and the Associate of Science Dairy Science (DAIRYSC-AS) and the Associate of Science Horse Science (HORSESC-AS) are being withdrawn. With the renaming of the degree and combination of the programs into one major, we anticipate smoother transition to the corresponding Animal Sciences BS degree program:

Beef specialization:

- AGRCOMM 2367 Agricultural Issues in Contemporary Society was removed (-3) and AGRCOMM 3130 Oral Expression in Agriculture was added (+3)
- One ARTS/HUM course was removed (-3)
- ANMLTEC 2200T Intro to Animal Sciences was moved from the transferable course category to the additional general education category
- ANMLTEC 2510T Beef and Small Ruminant Operations Management was removed (-1)
- ANMLTEC 2520T Beef and Small Ruminant Reproductive Management was removed (-1)
- ANMLTEC 2510.02T Food Animal Resource Management I Beef was added (+1)
- ANMLTEC 2582.02T Food Animal Resource Management II Beef was added (+1)
- ANMLTEC 3402T Beef Production and Management changed from 3 to 4 credits (+1)
- CRPSOIL 2412T Forage Crops was added (+3)
- Electives were removed (-5)
- Total credit hours were changed from 69 to 65
- Concurrence for the specialization has been received from the Department of Animal Sciences

Dairy specialization (changes from DAIRYSC-AS):

- AGRCOMM 2367 Agricultural Issues in Contemporary Society was removed (-3) and AGRCOMM 3130 Oral Expression in Agriculture was added (+3)
- One ARTS/HUM course was removed (-3)
- ANMLTEC 2200T Intro to Animal Sciences was added to the additional general education category (+3)
- Electives were removed (-6)
- ANMLTEC 2787.01T, .02T and .03T were removed (-3) and ANMLTEC 2787T Applied Dairy Herd Practices & Management was added (+4)
- Total credit hours were changed from 70 to 65
- Concurrence for the specialization has been received from the Department of Animal Sciences

Horse specialization (changes from HORSESC-AS):

- One ARTS/HUM course was removed (-3)
- ANMLTEC 2200T Intro to Animal Sciences was moved from an elective option to a required course in the additional general education category (+3)
- ANMLTEC 3101T Equine Marketing and Facility Management changed from 2 to 4 credits (+2)
- ANMLTEC 3111T Equine Sales Preparation and Marketing was withdrawn (-3)
- ANMLTEC 3201T Horse Judging and Evaluation was moved from required to an elective option (- 2)
- The Natural Sciences category was changed to give the option of CHEM 1110 or CHEM
 1210 (no credit hour change)
- Electives were changed from 6 credits to 5 credits (-1)
- Total credit hours were changed from 69 to 65
- Concurrence for the specialization has been received from the Department of Animal Sciences

Small Ruminant specialization:

- AGRCOMM 2367 Agricultural Issues in Contemporary Society was removed (-3) and AGRCOMM 3130 Oral Expression in Agriculture was added (+3)
- One ARTS/HUM course was removed (-3)
- ANMLTEC 2200T Intro to Animal Sciences was moved from the transferable course category to the additional general education category
- ANMLTEC 2510T Beef and Small Ruminant Operations Management was removed (-1)
- ANMLTEC 2520T Beef and Small Ruminant Reproductive Management was removed (-1)
- ANMLTEC 2510.04T Food Animal Resource Management I Small Ruminants was added (+1)
- ANMLTEC 2582.04T Food Animal Resource Management II Small Ruminants was added (+1)
- ANMLTEC 3404T Small Ruminant Production and Management changed from 3 to 4 credits (+1)
- CRPSOIL 2412T Forage Crops was added (+3)
- Electives were removed (-5)
- Total credit hours were changed from 69 to 65
- Concurrence for the specialization has been received from the Department of Animal Sciences

Swine specialization:

- AGRCOMM 2367 Agricultural Issues in Contemporary Society was removed (-3) and AGRCOMM 3130 Oral Expression in Agriculture was added (+3)
- One ARTS/HUM course was removed (-3)

- ANMLTEC 2200T Intro to Animal Sciences was moved from the transferable course category to the additional general education category
- ANMLTEC 2513T Swine Management Methods I was removed (-2)
- ANMLTEC 2510.03T Food Animal Resource Management I Swine was added (+1)
- ANMLTEC 2582.03T Food Animal Resource Management II Swine was added (+1)
- ANMLTEC 2613T Swine Production and Management II was renumbered to 3403T and changed from 3 to 4 credits (+1)
- Electives were changed from 5 to 3 credits (-2)
- Total credit hours were changed from 69 to 65
- Concurrence for the specialization has been received from the Department of Animal Sciences

The proposed curriculum plan was developed by the Program Coordinator for the major. The courses that are included in the current and proposed curriculum plan were selected in consultation with other faculty involved in the program as well as stakeholder advisory committees and/or individuals. The proposed curriculum plan and course sequence were approved by the Agriculture and Engineering Technologies Division at Ohio State ATI and the Ohio State ATI Academic Affairs committee. Ohio State ATI is committed to protecting the academic progress of students. In order that this proposed program change will not disrupt progress toward their degree, 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 plan and course sequence for the Livestock Science, Dairy Science and Horse Science degree programs
- Proposed curriculum plans and course sequences for the Animal Sciences degree program with Beef, Dairy, Horse, Small Ruminant and Swine specializations
- Concurrence for curriculum plans/course sequences

Please let me know if there are questions or 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

Jeanne M. Osbowe

ASSOCIATE OF SCIENCE DEGREE DAIRY SCIENCE CURRICULUM PLAN

Ohio State ATI – AS Degree		Major:	Dairy Science	
		Course Dept. &		
Subject	Sem Crs	Number	Course Title	Crs
English Composition and		ENGLISH 1110.01	First-Year English Composition	3
Literature		AGRCOMM 2367	Agricultural Issues in	3
		A NIDAGCI 2267	Contemporary Society	
	6 cr	or ANIMSCI 2367	or Animals in Society	
		or ENR 2367	or Communicating Environmental and Natural Resources	
			Information	
Humanities	9 cr	HISTORY 1152	American Civilization since 1877	3
Tumanties	7 (1	COMPSTD 2301	Introduction to World Literature	3
		MUSIC 2250	Music Cultures of the World	3
Social and Behavioral Sciences	6 cr	AEDECON 2001	Principles of Food & Resource	3
Social and Benavioral Sciences	0 61	11222001 2001	Economics	5
		RURLSOC 1500	Introduction to Rural Sociology	3
Natural Science	10-13 cr	BIOLOGY 1113	Bio Sci: Energy Transfer and	4
(physical and biological) and/or			Development	
Mathematics		CHEM 1110 or	Elementary Chemistry	5
		CHEM 1210	General Chemistry 1	
		MATH 1148	College Algebra	4
Open Option or Cultures and Ideas	3 cr	ANMLTEC 3140T	Animal Anatomy & Physiology	4
College/Career Orientation		GENSTDS 1201T	College Orientation	0.5
		ANMLTEC 1201.07T	Exploring Dairy Careers and	0.5
	1 cr		Industry	
Minimum General Total	36 cr			39
Minimum of 24 cr. of transferable		ANMLTEC 2787.01T	Applied Dairy Herd Practices and	1
courses applicable to OSU		ANWILTEC 2787:011	Management – Milking	1
bachelor's degree.		ANMLTEC 2787.02T	Applied Dairy Herd Practices and	1
bucheror suegree.		711(11)2120 2707.021	Management – Health and	•
Developed in consultation with			Reproduction	
affiliated department/unit where		ANMLTEC 2787.03T	Applied Dairy Herd Practices and	1
appropriate.	24 cr		Management – Nutrition and	
			Feeding	
		ANMLTEC 3130T	Principles of Animal Nutrition	2
		ANMLTEC 3137T	Dairy Cattle Feeding Management	2 2
		ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
		ANMLTEC 3167T	Dairy Cattle Milking and	4
			Reproductive Management	
		ANMLTEC 3177T	Dairy Cattle Health Management	4
				2
		ANMLTEC 3191.07T	Dairy Industry Internship	
		ANMLTEC 3191.07T ANMLTEC 3207T	Dairy Cattle Evaluation and Herd	2
		ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
			Dairy Cattle Evaluation and Herd Records Dairy Facilities, Environment, and	
		ANMLTEC 3207T ANMLTEC 3407T	Dairy Cattle Evaluation and Herd Records	2
Other Course Total	24 min ou	ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records Dairy Facilities, Environment, and	2 3 6
Other Course Total	24 min cr	ANMLTEC 3207T ANMLTEC 3407T	Dairy Cattle Evaluation and Herd Records Dairy Facilities, Environment, and	2
Other Course Total Degree Totals	24 min cr 60 cr min–	ANMLTEC 3207T ANMLTEC 3407T	Dairy Cattle Evaluation and Herd Records Dairy Facilities, Environment, and	2 3 6

DAIRYSC-AS Catalog Year 2014-2015

Dairy Science Associate of Science

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.07T ANMLTEC 3167T ANMLTEC 3207T ENGLISH 1110.01 GENSTDS 1201T MATH 1148 RURLSOC 1500	Exploring Dairy Careers and Industry Dairy Cattle Milking and Reproductive Management Dairy Cattle Evaluation and Herd Records First-Year English Composition College Orientation College Algebra Introduction to Rural Sociology	.5 4 2 3 .5 4 3 17
1 st Year – Spring Semester		
AEDECON 2001 ANMLTEC 3140T ANMLTEC 3177T ELECTIVES MUSIC 2250	Principles of Food and Resource Economics Animal Anatomy and Physiology Dairy Cattle Health Management 6 credits required from approved list with advisor approval Music Cultures of the World	3 4 4 3 <u>3</u> 17
Summer Term *ANMLTEC 3191.07T	Dairy Industry Internship	$\frac{2}{2}$
2 nd Year – Autumn Semeste *+ ANMLTEC 2787.0X	<u>r</u>	1-2
ANMLTEC 3130T ANMLTEC 3137T ANMLTEC 3407T BIOLOGY 1113 CHEM 1110 or 1210	Applied Dairy Herd Practices & Management (3 cr needed) Principles of Animal Nutrition Dairy Cattle Feeding Management Dairy Cattle Facilities, Environment and Equipment Bio Sci: Energy Transfer and Development Elementary Chemistry or General Chemistry 1	1-2 2 2 3 4 <u>5</u>
2 nd Year – Spring Semester		
AGRCOMM 2367 or ANIMSCI 2367 or ENR 2367	Agricultural Issues in Contemporary Society or Animals in Society	3
*+ ANMLTEC 2787.0X	or Communicating Environmental and Natural Resources Information Applied Dairy Herd Practices & Management (3 cr needed)	1-2
ANMLTEC 3157T	Dairy Cattle Genetic Improvement	3
COMPSTD 2301 ELECTIVES	Introduction to World Literature 6 credits required from approved list with advisor approval	3 3
HISTORY 1152	American Civilization since 1877	3 16-17
	Total Credits	70

- + Three credits needed:
- + Anmltec 2787.01T Applied Dairy Herd Practices and Management Milking 1 cr
- + Anmltec 2787.02T Applied Dairy Herd Practices and Management Health and Reproduction 1 cr
- + Anmltec 2787.03T Applied Dairy Herd Practices and Management Nutrition and Feeding 1 cr

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

DAIRYSC-AS Catalog Year 2014-2015

Dairy Science Associate of Science

Elective options – 6 credits required:

AEDECON 2105	Managerial Records and Analysis	3
AGRCOMM 3130	Oral Expression in Agriculture	3
ANMLTEC 2100T	Appreciation of Companion and Production Animals	3
ANMLTEC 2200T	Introduction to Animal Sciences	3
ANMLTEC 2300T	Introduction to Animal Sciences Laboratory	1
ANMLTEC 3887T	Integrated Dairy Farm Business Management	4
BIOLOGY 1114	Bio Sci: Form, Function, Diversity, and Ecology	4
CHEM 1210●●	General Chemistry 1	5
CHEM 1220	General Chemistry 2	5
CHEM 2510	Organic Chemistry I	4
CHEM 2520	Organic Chemistry II	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
CRPSOIL 2228T	Manure Management	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
CRPSOIL 2412T	Forage Crops	3
MICRBIO 4000	Basic and Practical Microbiology	4
PHYSICS 1200	Mechanics, Kinematics, Fluids, Waves	5
PHYSICS 1201	E&M, Optics, Modern Physics	5

•• if not taken as a required GEC

ASSOCIATE OF SCIENCE DEGREE HORSE SCIENCE CURRICULUM PLAN

Ohio State ATI – AS Degree		Major:	Horse Science	
		Course Dept. &		
Subject	Sem Crs	Number	Course Title	Crs
English Composition and	6 cr	ENGLISH 1110.01	First-Year English Composition	3
Literature	0 01	AGRCOMM 2367	Agricultural Issues in	3
Literature		AGREOMM 2307	Contemporary Society	3
Humanities	9 cr	HISTORY 1152	American Civilization since 1877	3
Tumanties	<i>y</i> c1	COMPSTD 2301	Introduction to World Literature	3
		MUSIC 2250	Music Cultures of the World	3
Social and Behavioral Sciences	6 cr	RURLSOC 1500	Introduction to Rural Sociology	3
		AEDECON 2001	Principles of Food & Resource	3
			Economics	
Natural Science	10-13 cr	BIOLOGY 1113	Bio Sci: Energy Transfer and	4
(physical and biological) and/or			Development	
Mathematics		CHEM 1110	Elementary Chemistry	5
		MATH 1148	College Algebra	4
Open Option or Cultures and Ideas	3 cr	ANMLTEC 3140T	Animal Anatomy and Physiology	4
College/Career Orientation		GENSTDS 1201T	College Orientation	0.5
_		ANMLTEC 1201.01T	Exploring Equine Careers and	0.5
	1 cr		Industry	
Minimum General Total	36 cr			39
Minimum of 24 cr. of transferable	24 cr	ANMLTEC 2189.01T	Horse Practicum	2
courses applicable to OSU		ANMLTEC 2201T	Introduction to Horse Science	3
bachelor's degree.		ANMLTEC 3101T	Equine Facility Maintenance and	2
			Management	
Developed in consultation with		ANMLTEC 3111T	Equine Sales Preparation and	3
affiliated department/unit where		AND III TEEC 2120TE	Marketing	
appropriate.		ANMLTEC 3130T	Principles of Animal Nutrition	2
		ANMLTEC 3131T	Equine Feeding and Nutrition	2
		ANMLTEC 3151T ANMLTEC 3161T	Horse Breeding and Selection	3 2
		ANWILTEC 31011	Applied Equine Reproductive Management	2
		ANMLTEC 3171T	Horse Health and Disease	3
		ANMLTEC 3201T	Horse Judging and Evaluation	2
		7 AT VILLE 32011	Tionse sudging and Evaruation	2
		ELECTIVE OPTONS:	Minimum of 6 credits from:	6
		ANMLTEC 2200T and	Intro. to Animal Sciences (3)	
		ANMLTEC 2300T	Intro. to Animal Sciences Lab ((1)	
		ANMLTEC 2801T	Horsemanship & Equitation (3)	
		ANMLTEC 2811T	Schooling and Training the Riding	
			Horse (3)	
		ANMLTEC 3150T	Livestock Genetic Improvement (3)	
		ANMLTEC 3191.01T	Equine Industry Internship	
			Experience (3)	
		MICRBIO 4000	Basic & Practical Microbiology (4)	
Other Course Total	24 min cr			30
Dograo Totala	60 cr min-			60
Degree Totals	70 cr min–			69
	70 CI IIIax			

HORSESC-AS Catalog Year 2014-2015

Horse Science Associate of Science

Course	<u>Title</u>	Credits
1st Year – Autumn Seme	ester	
ANMLTEC 1201.01T	Exploring Equine Careers and Industry	.5
*ANMLTEC 2189.01T	Horse Practicum (2 credits at 1 credit each)	1
ANMLTEC 2201T	Introduction to Horse Science	3
ENGLISH 1110.01	First-Year English Composition	3 .5
GENSTDS 1201T	College Orientation	.5
HISTORY 1152	American Civilization since 1877	3
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	
or TEC ELECTIVE	or Technical Elective (6 credits required)	<u>3</u>
		18
1st Year – Spring Semes	<u>ter</u>	
AEDECON 2001	Principles of Food and Resource Economics	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3151T	Horse Breeding and Selection	3
or TEC ELECTIVE	or Technical Elective (6 credits required)	
ANMLTEC 3201T	Horse Judging Evaluation	2 <u>5</u> 17
CHEM 1110	Elementary Chemistry	<u>5</u>
		17
2 nd Year – Autumn Sem	<u>ester</u>	
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
ANMLTEC 3101T	Equine Facility Maintenance and Management	2
ANMLTEC 3111T	Equine Sales Preparation and Marketing	3 2
ANMLTEC 3130T	Principles of Animal Nutrition	2
MUSIC 2250	Music Cultures of the World	3
RURLSOC 1500	Introduction to Rural Sociology	
or TEC ELECTIVE	or Technical Elective (6 credits required)	<u>3</u>
		16
2 nd Year – Spring Semes	<u>ster</u>	
*ANMLTEC 2189.01T	Horse Practicum (2 credits at 1 credit each)	1
ANMLTEC 3131T	Equine Feeding and Nutrition	2
ANMLTEC 3151T	Horse Breeding and Selection	3
or TEC ELECTIVE	or Technical Elective (6 credits required)	
ANMLTEC 3161T	Applied Equine Reproductive Management	2
ANMLTEC 3171T	Horse Health and Disease	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMPSTD 2301	Introduction to World Literature	<u>3</u>
		18
	Total Credits	69

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

HORSESC-AS Catalog Year 2014-2015

Horse Science Associate of Science

Elective options – 6 credits required:

ANMLTEC 2200T	Introduction to Animal Sciences	3
and 2300T	and Introduction to Animal Sciences 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
MICRBIO 4000	Basic and Practical Microbiology	4

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

ASSOCIATE OF SCIENCE DEGREE LIVESTOCK SCIENCE CURRICULUM PLAN Beef Specialization

Ohio State ATI – AS Degree		Major:	Beef Specialization	
		Course Dept. &		
Subject	Sem Crs	Number	Course Title	Crs
English Composition and	6 cr	ENGLISH 1110.01	First-Year English Composition	3
Literature		AGRCOMM 2367	Agricultural Issues in	3
			Contemporary Society	
		or ANIMSCI 2367	or Animals in Society	
		or ENR 2367	or Communicating	
			Environmental and Natural	
Humanities	9 cr	HISTORY 1152	Resources Information	3
Humanities	9 cr	HISTORY 1132	American Civilization since 1877	3
		COMPSTD 2301	Introduction to World Literature	3
		MUSIC 2250	Music Cultures of the World	3
Social and Behavioral Sciences	6 cr	RURLSOC 1500	Introduction to Rural Sociology	3
Social and Benavioral Sciences	0 01	AEDECON 2001	Principles of Food & Resource	3
		7 EDECOIV 2001	Economics	3
Natural Science	10-13 cr	BIOLOGY 1113	Bio Sci: Energy Transfer and	4
(physical and biological) and/or	10 13 61	BioEogi III3	Development Development	.
Mathematics		CHEM 1110	Elementary Chemistry	5
		or CHEM 1210	or General Chemistry 1	
		MATH 1148	College Algebra	4
Open Option or Cultures and Ideas	3 cr	ANMLTEC 3140T	Animal Anatomy and	4
			Physiology	
College/Career Orientation		GENSTDS 1201T	College Orientation	0.5
		ANMLTEC 1201.02T	Exploring Livestock Careers and	0.5
	1 cr		Industry	
Minimum General Total	36 cr			39
201		1337 ET ET C 2200ET		
Minimum of 24 cr. of transferable	24 cr	ANMLTEC 2200T	Introduction to Animal Sciences	3
courses applicable to OSU		ANMLTEC 2202T	Introduction to Beef and Small Ruminant Production	3
bachelor's degree.		ANMLTEC 2300T	Introduction to Animal Sciences	1
Developed in consultation with		ANWILTEC 25001	Lab	1
affiliated department/unit where		ANMLTEC 2510T	Beef and Small Ruminant	1
appropriate.		ANNIETEC 23101	Operations Management	1
арргорише.		ANMLTEC 2520T	Beef and Small Ruminant	1
		111 (1112120 20201	Reproductive Management	•
		ANMLTEC 3130T	Principles of Animal Nutrition	2
		ANMLTEC 3132T	Principles in Ruminant Nutrition	2
		ANMLTEC 3150T	Livestock Genetic Improvement	3
		ANMLTEC 3170T	Principles of Livestock Health	3
		ANMLTEC 3402T	Beef Production & Management	3
		CRPSOIL 2228T	Manure Management	3
		ELECTIVES	(5 credits from approved list)	5
Other Course Total	24 min cr			30
Degree Totals	60 cr min–			69
	70 cr max			

LVSCI-AS BEF Catalog Year 2014-2015

Livestock Science Beef Specialization Associate of Science

<u>Course</u>	<u>Title</u>	Credits
1 st Year – Autumn Sen	nester	
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
MUSIC 2250	Music Cultures of the World	<u>3</u>
		18
1 st Year – Spring Seme	ester	
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 or 1210	Elementary Chemistry or General Chemistry I	5
HISTORY 1152	American Civilization since 1877	<u>3</u>
11151 OKT 1132	American Civilization since 1077	<u>1</u> 7
2 nd Year – Autumn Sei	magton	
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510T	Beef and Small Ruminant Operations Management	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CRPSOIL 2228T	Manure Management	3
COMPSTD 2301	Introduction to World Literature	3
ELECTIVE	From approved list (5 total credits required)	<u>3</u>
LLLCTIVL	Tioni approved list (5 total electris lequired)	<u>-</u> 17
and war and a construction of the construction		
2 nd Year – Spring Sem AGRCOMM 2367		2
or ANIMSCI 2367	Agricultural Issues in Contemporary Society	3
or ENR 2367	or Animals in Society	
OF ENK 2507	or Communicating Environmental and Natural Resources Information	
* ANMLTEC 2520T		1
· ANNILIEC 23201	Beef and Small Ruminant Reproductive	1
ANMLTEC 3132T	Management	2
	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3 3 2 <u>3</u>
ANMLTEC 3402T	Beef Production and Management	2
ELECTIVE	From approved list (5 total credits required)	2
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u> 17
		1/
	Total Credits	69
* 4 1 60 1	' 1.	

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

LVSCI-AS BEF Catalog Year 2014-2015

Livestock Science Beef Specialization Associate of Science

Elective options – 5 credits required:

ANMLTEC 2100T	Appreciation of Companion and Production Animals	3
ANMLTEC 2400T	Sustainable Animal Systems and Marketing	3
*ANMLTEC 3191.02T	Beef Industry Internship	2-3
ANMLTEC 3200T	Livestock Selection and Evaluation	2
BIOLOGY 1114	Bio Sci: Form, Function, Diversity, and Ecology	4
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3

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

ASSOCIATE OF SCIENCE DEGREE LIVESTOCK SCIENCE CURRICULUM PLAN Small Ruminant Specialization

Ohio State ATI – AS Degree		Major:	Small Ruminant Specialization	
		Course Dept. &		
Subject	Sem Crs	Number	Course Title	Crs
English Composition and	6 cr	ENGLISH 1110.01	First-Year English Composition	3
Literature		AGRCOMM 2367	Agricultural Issues in	3
			Contemporary Society	
		or ANIMSCI 2367	or Animals in Society	
		or ENR 2367	or Communicating	
			Environmental and Natural	
			Resources Information	
Humanities	9 cr	HISTORY 1152	American Civilization since	3
			1877	
		COMPSTD 2301	Introduction to World Literature	3
		MUSIC 2250	Music Cultures of the World	3
Social and Behavioral Sciences	6 cr	RURLSOC 1500	Introduction to Rural Sociology	3
		AEDECON 2001	Principles of Food & Resource	3
			Economics	
Natural Science	10-13 cr	BIOLOGY 1113	Bio Sci: Energy Transfer and	4
(physical and biological) and/or			Development	
Mathematics		CHEM 1110	Elementary Chemistry	5
		or CHEM 1210	or General Chemistry 1	
		MATH 1148	College Algebra	4
Open Option or Cultures and Ideas	3 cr	ANMLTEC 3140T	Animal Anatomy and	4
			Physiology	
College/Career Orientation		GENSTDS 1201T	College Orientation	0.5
		ANMLTEC 1201.02T	Exploring Livestock Careers and	0.5
	1 cr		Industry	
Minimum General Total	36 cr			39
Minimum of 24 cr. of transferable	24 cr	ANMLTEC 2200T	Introduction to Animal Sciences	3
courses applicable to OSU		ANMLTEC 2202T	Introduction to Beef and Small	3
bachelor's degree.			Ruminant Production	
		ANMLTEC 2300T	Introduction to Animal Sciences	1
Developed in consultation with			Lab	
affiliated department/unit where		ANMLTEC 2510T	Beef and Small Ruminant	1
appropriate.			Operations Management	
		ANMLTEC 2520T	Beef and Small Ruminant	1
			Reproductive Management	
		ANMLTEC 3130T	Principles of Animal Nutrition	2
		ANMLTEC 3132T	Principles in Ruminant Nutrition	2
		ANMLTEC 3150T	Livestock Genetic Improvement	3
		ANMLTEC 3170T	Principles of Livestock Health	3
		ANMLTEC 3404T	Small Ruminant Production and Management	3
		CRPSOIL 2228T	Manure Management	3
		ELECTIVES	(5 credits from approved list)	5
Other Course Total	24 min cr			30
Degree Totals	60 cr min–			69
	70 cr max			

LVSCI-AS SMR Catalog Year 2014-2015

Livestock Science Small Ruminant Specialization Associate of Science

Course	<u>Title</u>	Credits
1st Year – Autumn Sem	ester	
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
MUSIC 2250	Music Cultures of the World	<u>3</u>
		<u>-</u> 18
1 st Year – Spring Semes	<u>ster</u>	
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 or 1210	Elementary Chemistry or General Chemistry I	5
HISTORY 1152	American Civilization since 1877	<u>3</u>
and w		17
2 nd Year – Autumn Sen		2
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2510T	Beef and Small Ruminant Operations Management	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CRPSOIL 2228T	Manure Management	3
COMPSTD 2301	Introduction to World Literature	3
ELECTIVE	From approved list (5 total credits required)	3 17
2 nd Year – Spring Seme	stor	1/
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
or ANIMSCI 2367	or Animals in Society	3
or ENR 2367	or Communicating Environmental and Natural	
of Errit 2507	Resources Information	
* ANMLTEC 2520T	Beef and Small Ruminant Reproductive	1
	Management	
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	3
ELECTIVE	From approved list (5 total credits required)	2
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		<u>-</u> 17

Total Credits

69

LVSCI-AS SMR Catalog Year 2014-2015

Livestock Science Small Ruminant Specialization Associate of Science

Elective options – 5 credits required:

ANMLTEC 2100T	Appreciation of Companion and Production Animals	3
ANMLTEC 2400T	Sustainable Animal Systems and Marketing	3
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	2-3
ANMLTEC 3200T	Livestock Selection and Evaluation	2
BIOLOGY 1114	Bio Sci: Form, Function, Diversity, and Ecology	4
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3

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

ASSOCIATE OF SCIENCE DEGREE LIVESTOCK SCIENCE CURRICULUM PLAN Swine Specialization

Ohio State ATI – AS Degree		Major:	Swine Specialization	
		Course Dept. &		
Subject	Sem Crs	Number	Course Title	Crs
English Composition and	6 cr	ENGLISH 1110.01	First-Year English Composition	3
Literature		AGRCOMM 2367	Agricultural Issues in	3
			Contemporary Society	
		or ANIMSCI 2367	or Animals in Society	
		or ENR 2367	or Communicating	
			Environmental and Natural	
			Resources Information	
Humanities	9 cr	HISTORY 1152	American Civilization since	3
			1877	
		COMPSTD 2301	Introduction to World Literature	3
		MUSIC 2250	Music Cultures of the World	3
Social and Behavioral Sciences	6 cr	RURLSOC 1500	Introduction to Rural Sociology	3
Social and Benavioral Sciences	0 01	AEDECON 2001	Principles of Food & Resource	3
		AEDECON 2001	Economics	3
Natural Science	10-13 cr	BIOLOGY 1113	Bio Sci: Energy Transfer and	4
	10-13 C1	BIOLOGI III3		4
(physical and biological) and/or		CHEM 1110	Development	_
Mathematics		CHEM 1110	Elementary Chemistry	5
		or CHEM 1210	or General Chemistry 1	
		MATH 1148	College Algebra	4
Open Option or Cultures and Ideas	3 cr	ANMLTEC 3140T	Animal Anatomy and	4
			Physiology	
College/Career Orientation		GENSTDS 1201T	College Orientation	0.5
		ANMLTEC 1201.02T	Exploring Livestock Careers and	0.5
	1 cr		Industry	
Minimum General Total	36 cr			39
Minimum of 24 cr. of transferable	24 cr	ANMLTEC 2200T	Introduction to Animal Sciences	3
	24 CI	ANMLTEC 2300T	Introduction to Animal Sciences	1
courses applicable to OSU		ANWILTEC 25001		1
bachelor's degree.		A N D 41 TFC 2512T	Lab	2
5 1 11 1 1 1		ANMLTEC 2513T	Swine Management Methods I	2
Developed in consultation with		ANMLTEC 2603T	Swine Production and	3
affiliated department/unit where			Management I	_
appropriate.		ANMLTEC 2613T	Swine Production and	3
			Management II	_
		ANMLTEC 3130T	Principles of Animal Nutrition	2
		ANMLTEC 3133T	Principles of Swine Nutrition	2
		ANMLTEC 3150T	Livestock Genetic Improvement	3
		ANMLTEC 3170T	Principles of Livestock Health	3
		CRPSOIL 2228T	Manure Management	3
		ELECTIVES	(5 credits from approved list)	5
Other Course Total	24 min cr			30
Degree Totals	60 cr min–			69
	70 cr max			

LVSCI-AS SWN Catalog Year 2014-2015

Livestock Science Swine Specialization Associate of Science

Course	<u>Title</u>	Credits
1st Year – Autumn Sen	<u>iester</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
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
MUSIC 2250	Music Cultures of the World	<u>3</u>
WIOSIC 2230	Wilder Cultures of the World	18
1st v		
1 st Year – Spring Seme ANMLTEC 3130T		2
	Principles of Animal Nutrition	
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3170T	Principles of Livestock Health	3
CHEM 1110 or 1210	Elementary Chemistry or General Chemistry I	5
HISTORY 1152	American Civilization since 1877	<u>3</u>
		17
2 nd Year – Autumn Ser	mester	
AEDECON 2001	Principles of Food and Resource Economics	3
*ANMLTEC 2513T	Swine Management Methods I	1
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CRPSOIL 2228T	Manure Management	3
COMPSTD 2301	Introduction to World Literature	
ELECTIVE	From approved list (5 total credits required)	3 <u>3</u>
		<u>-</u> 17
2 nd Year – Spring Seme		
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
or ANIMSCI 2367	or Animals in Society	
or ENR 2367	or Communicating Environmental and Natural	
	Resources Information	
* ANMLTEC 2513T	Swine Management Methods I	1
ANMLTEC 2613T	Swine Production and Management II	3
ANMLTEC 3133T	Principles of Swine Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ELECTIVE	From approved list (5 total credits required)	2 <u>3</u>
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
	.	<u>1</u> 7
	m . 1 ~	(0)
	Total Credits	69

LVSCI-AS SWN Catalog Year 2014-2015

Livestock Science Swine Specialization Associate of Science

Elective options – 5 credits required:

ANMLTEC 2100T	Appreciation of Companion and Production Animals	3
ANMLTEC 2400T	Sustainable Animal Systems and Marketing	3
*ANMLTEC 3191.03T	Swine Industry Internship	2-3
ANMLTEC 3200T	Livestock Selection and Evaluation	2
BIOLOGY 1114	Bio Sci: Form, Function, Diversity, and Ecology	4
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3

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

ASSOCIATE OF SCIENCE DEGREE ANIMAL SCIENCES CURICULUM PLAN Beef Specialization

Ohio State ATI General Education		Major: Beef Specialization General Education	
ENGLISH COMPOSITION/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	<mark>3</mark>
ENGLISH 1110.01	3		_
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Additional OTM course(s)			
(from 5 GE categories above)		ANMLTEC 3140T	4
		ANMLTEC 2200T	4 3
or Open Option (course(s) as defined			_
by OSU Columbus major)			
	25.40	T ALC ITI A	20
Total General Education	37-40	Total General Education	39
Transferable and major courses		ANMLTEC 2202T	3
applicable to OSU bachelor's degree		ANMLTEC 2300T	1 .
.		ANMLTEC 2510.02T	1
Developed in consultation with		ANMLTEC 2582.02T	1 2 2
affiliated department/unit where		ANMLTEC 3130T	$\frac{2}{2}$
appropriate		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3 3 4 3 3
		CRPSOIL 2412T	
DECREE TOTAL	(0. CF	Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	<mark>65</mark>

^{*}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.

ASSOCIATE OF SCIENCE DEGREE ANIMAL SCIENCES CURICULUM PLAN Beef Specialization

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

ANIMSCI-AS BEF
Catalog Year
2016-2017

ANIMAL SCIENCES
Beef Specialization
Associate of Science

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

Ohio State ATI		Major: Dairy Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	<mark>3</mark>
ENGLISH 1110.01	3		_
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 OR 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.07T	0.5
Additional OTM course(s)		ANMLTEC 2200T	3
(from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined			
by OSU Columbus major)			
Total General Education	37-40	Total General Education	39
Transferable and major courses	3/-40	ANMLTEC 2787T (2 credits for 2 semesters)	_
applicable to OSU bachelor's degree		ANMLTEC 27871 (2 credits for 2 semesters) ANMLTEC 3130T	2 2
applicable to OBO bachelor's degree		ANMLTEC 31301 ANMLTEC 3137T	2
Developed in consultation with		ANMLTEC 3157T	3
affiliated department/unit where		ANMLTEC 31571 ANMLTEC 3167T	4
appropriate		ANMLTEC 3177T	4
арргорише		ANMLTEC 31771 ANMLTEC 3191.07T	2
		ANMLTEC 3207T	2
		ANMLTEC 3407T	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65
DEGREE TOTAL	00-05	DEGREE TOTAL	UJ

^{*}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.

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/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	3
ENGLISH 1110.01	3		
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 OR 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.07T	0.5
Additional OTM course(s)		ANMLTEC 2200T	3
(from 5 GE categories above)		ANMLTEC 3140T	4
or Open Option (course(s) as defined			
by OSU Columbus major)			
Total General Education	37-40	Total General Education	20
Transferable and major courses	37-40	ANMLTEC 2787T (2 credits for 2 semesters)	39
applicable to OSU bachelor's degree		ANMLTEC 2/8/1 (2 credits for 2 semesters) ANMLTEC 3130T	2
applicable to OSO bachelol s degree		ANMLTEC 31301 ANMLTEC 3137T	$\frac{2}{2}$
Developed in consultation with		ANMLTEC 3157T	3
affiliated department/unit where		ANMLTEC 31571 ANMLTEC 3167T	4
appropriate		ANMLTEC 3177T	4
		ANMLTEC 317/1 ANMLTEC 3191.07T	2
		ANMLTEC 3207T	2
		ANMLTEC 32071 ANMLTEC 3407T	3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65
DEGREE TOTAL	00-05	DEGREE TOTAL	05

^{*}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.

ANIMSCI-AS DRY Catalog Year 2016-2017

Animal Sciences Dairy Specialization Associate of Science

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

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

65

Total Credits

^{**}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	3	ENGLISH 1110.01	3
COMMUNICATION	3	AGRCOMM 3130	3
ENGLISH 1110.01			
AGRCOMM 2367 or 3130 or			
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following areas:			
Historical Study			
Culture and Ideas*	min. 6		
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES		RURLSOC 1500	3
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
	iiiii. O	CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION	1	ANMLTEC 1201.01T	0.5
Additional OTM course(s)		ANMLTEC 3140T	4
(from 5 GE categories above)		ANMLTEC 2200T	3
or Open Option (course(s) as defined by		THANDIEC 22001	_
OSU Columbus major)			
	37-40	Total Company Edward on	20
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable		ANMLTEC 2189.01T (2 courses @ 1 cr./each) ANMLTEC 2201T	2
to OSU bachelor's degree			3
D 1		ANMLTEC 3101T ANMLTEC 3130T	4 2
Developed in consultation with affiliated			2
department/unit where appropriate		ANMLTEC 3131T	3 4 2 2 3
		ANMLTEC 3151T	
		ANMLTEC 3161T	2
		ANMLTEC 3171T	3
		Technical Electives (5 credits):	4
		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.

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	3	ENGLISH 1110.01	3
COMMUNICATION	3	AGRCOMM 3130	3
ENGLISH 1110.01			
AGRCOMM 2367 or 3130 or			
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following areas:			
Historical Study			
Culture and Ideas*	min. 6		
Literature*	111111. 0		
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES		RURLSOC 1500	3
AEDECON 2001	3	Reference 1300	
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
THIT OWNE SCIENCES	mm. o	CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION	1	ANMLTEC 1201.01T	0.5
Additional OTM course(s)		ANMLTEC 3140T	4
(from 5 GE categories above)		ANMLTEC 2200T	3
or Open Option (course(s) as defined by		ANNIETEC 22001	
OSU Columbus major)			
<u> </u>	2= 40		•
Total General Education	37-40	Total General Education	39
Transferable and major courses applicable		ANMLTEC 2189.01T (2 courses @ 1 cr./each)	2
to OSU bachelor's degree		ANMLTEC 2201T	3
		ANMLTEC 3101T	4
Developed in consultation with affiliated		ANMLTEC 3130T	2
department/unit where appropriate		ANMLTEC 3131T	2 3
		ANMLTEC 3151T	
		ANMLTEC 3161T	2
		ANMLTEC 3171T	3
		Technical Electives (5 credits):	
		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.

ANIMSCI-AS HRS Catalog Year 2016-2017

Animal Sciences Horse Specialization Associate of Science

Course	Title	Credits
1st Year-Autumn Semester ANMLTEC 1201.01T ANMLTEC 2200T ANMLTEC 2201T ENGLISH 1110.01 GENSTDS 1201T MATH 1148 RURLSOC 1500	Exploring Equine Careers and Industry Introduction to Animal Sciences Introduction to Horse Science First-Year English Composition College Orientation College Algebra Introduction to Rural Sociology	0.5 3 3 0.5 4 3 17
1st Year-Spring Semester ANMLTEC 3151T ANMLTEC 317IT BIOLOGY 1113 CHEM 1110 or 1210*	Horse Breeding and Selection Horse Health and Disease Bio Sci: Energy Transfer and Development Elementary Chemistry <u>or</u> General Chemistry I	3 3 4 <u>5</u> 15
2 nd Year-Autumn Semester AGRCOMM 3130 ANMLTEC 2189.01T ANMLTEC 3101T ANMLTEC 3130T ANMLTEC 3140T TECH ELECTIVE	Oral Expression in Agriculture Horse Practicum Equine Marketing and Facility Management Principles of Animal Nutrition Animal Anatomy and Physiology Select from approved list	3 1 4 2 4 3 17
2 nd Year-Spring Semester AEDECON 2001 ANMLTEC 2189.01T ANMLTEC 3131T ANMLTEC 3161T COMPSTD 2301 or RELSTDS 2370 MUSIC 2250 or HISTORY 1152 TECH ELECTIVE	Principles of Food and Resource Economics Horse Practicum Equine Feeding and Nutrition Applied Equine Reproductive Management Introduction to World Literature or Introduction to Comparative Religion Music Cultures of the World or American Civilization Since 1877 Select from approved list	3 1 2 2 2 3 3 2 16
	Total Credit	

^{*}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.

ANIMSCI-AS HRS Catalog Year 2016-2017

Animal Sciences Horse Specialization Associate of Science

Technical Electives – minimum: 5 credits required

Course	<u>Title</u>	Credits
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 CURICULUM PLAN Small Ruminant Specialization

Ohio State ATI General Education		Major: Small Ruminant Specialization	
		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	<mark>3</mark>
ENGLISH 1110.01	3		_
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Additional OTM course(s)			
(from 5 GE categories above)		ANMLTEC 3140T	4
		ANMLTEC 2200T	<mark>3</mark>
or Open Option (course(s) as defined			
by OSU Columbus major)			
Total General Education	37-40	Total General Education	39
Transferable and major courses	37-40	ANMLTEC 2202T	39
applicable to OSU bachelor's degree		ANMLTEC 2300T	3
applicable to OSO bachelor's degree		ANMLTEC 2510.04T	1 1
Developed in consultation with		ANMLTEC 2582.04T	1
affiliated department/unit where		ANMLTEC 2382.041 ANMLTEC 3130T	1 2 2
appropriate		ANMLTEC 31301 ANMLTEC 3132T	
ирргорише		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3404T	
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3 3 4 3 3
		Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	65
	0000		

^{*}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.

ASSOCIATE OF SCIENCE DEGREE ANIMAL SCIENCES CURICULUM PLAN Small Ruminant Specialization

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

^{*}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.

ANIMSCI-AS SMR Catalog Year 2016-2017

ANIMAL SCIENCES Small Ruminant Specialization Associate of Science

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.5 3 1 3 .5 <u>4</u> 15
3 5 3 5 3
3 1
2 4
3 <u>3</u> 16
1 2 4 3 4 3 17

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

Total Credits

65

^{**}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 CURICULUM PLAN Swine Specialization

Ohio State ATI General Education		Major: Swine Specialization	
		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	3
ENGLISH 1110.01	3		_
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Additional OTM course(s)			
(from 5 GE categories above)		ANMLTEC 3140T	4
		ANMLTEC 2200T	<mark>3</mark>
or Open Option (course(s) as defined			_
by OSU Columbus major)			
	27.40		20
Total General Education	37-40	Total General Education	39
Transferable and major courses		ANMLTEC 2300T	
applicable to OSU bachelor's degree		ANMLTEC 2510.03T	<mark> </mark>
.		ANMLTEC 2582.03T	
Developed in consultation with		ANMLTEC 2603T	3 4 2 2
affiliated department/unit where		ANMLTEC 3403T	4
appropriate		ANMLTEC 3130T	2
		ANMLTEC 3133T	$\frac{2}{2}$
		ANMLTEC 3150T	3 3
		ANMLTEC 3170T	3
		CRPSOIL 2228T	3 3
		Transferable Elective	
DECREE MOTAL	60.6 5	Total Transferable and Major Courses	26
DEGREE TOTAL	60-65	DEGREE TOTAL	<mark>65</mark>

^{*}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.

ASSOCIATE OF SCIENCE DEGREE ANIMAL SCIENCES CURICULUM PLAN Swine Specialization

Ohio State ATI		Major: Swine Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/		ENGLISH 1110.01	3
ORAL COMMUNICATION		AGRCOMM 3130	3
ENGLISH 1110.01	3		
AGRCOMM 2367 or 3130 or	3		
ENR 2367			
MATHEMATICS/		MATH 1148	4
STATISTICS AND LOGIC			
MATHEMATICS	4-5		
ARTS AND HUMANITIES		COMPSTD 2301* or RELSTDS 2370*	3
Select at least 1 course		MUSIC 2250* or HISTORY 1152	3
from 2 of the following			
areas:	min. 6		
Historical Study			
Culture and Ideas*			
Literature*			
Art*			
SOCIAL AND BEHAVIORAL		AEDECON 2001	3
SCIENCES Social and Behavioral		RURLSOC 1500	3
Sciences			
AEDECON 2001	3		
RURLSOC 1500	3		
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110 or 1210	5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Additional OTM course(s)			
(from 5 GE categories above)		ANMLTEC 3140T	4
		ANMLTEC 2200T	3
or Open Option (course(s) as defined			
by OSU Columbus major)			
Total General Education	37-40	Total General Education	39
	37-40		1
Transferable and major courses		ANMLTEC 2300T ANMLTEC 2510.03T	1
applicable to OSU bachelor's degree		ANMLTEC 2510.031 ANMLTEC 2582.03T	1
Davalanad in consultation with		ANMLTEC 2582.031 ANMLTEC 2603T	1 2
Developed in consultation with affiliated department/unit where		ANMLTEC 3403T	3
•		ANMLTEC 34031 ANMLTEC 3130T	4
appropriate		ANMLTEC 3133T	2 2
		ANMLTEC 31531 ANMLTEC 3150T	3
		ANMLTEC 31501 ANMLTEC 3170T	3
		CRPSOIL 2228T	3 3
		Transferable Elective	
DECDEE TOTAL	(0.75	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.

ANIMSCI-AS SWN Catalog Year Swine Specialization 2016-2017 Associate of Science

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



Department of Animal Sciences

College of Food, Agricultural, and Environmental Sciences
214 Animal Sciences
Columbus, OH 43210-1095
Fax (613)292-7116

January 4, 2016

To Whom It May Concern:

I have reviewed the proposed ATI ANIMSCI-AS degree program. The degree program reflects a change in the degree name from Livestock Science to Animal Sciences and reorganization of the major to include specializations in Beef, Dairy, Horse, Swine, and Small Ruminants. This letter provides support from the Department of Animal Sciences for the proposed ANIMSCI-AS program and associated specializations. The proposed changes and realigned curriculums provide a more seamless pathway for a B.S. degree with a major in Animal Sciences on the Columbus campus.

Sincerely,

Pasha A. Lyvers Peffer

Department of Animal Sciences

Chair, Academic Affairs