

Reed, Katie

From: Neal, Steve
Sent: Friday, April 22, 2016 12:51 PM
To: Smith, Randy
Cc: Reed, Katie; Martin, Linda
Subject: CAA Approval - Livestock Production & Management
Attachments: Livestock Prod & Mgt - AAS.pdf

Randy,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision of the Livestock Production and Management associate of applied science major offered at the Agricultural Technical Institute (proposal attached). The total credit hours required for this program is being increased from 64 to 65 for all three specializations as a result of the increase in credit hours in one of the core required courses.

This proposal was reviewed and approved by the ATI Division of Agricultural and Engineering Technologies faculty, the ATI Academic Affairs Committee and the College Academic Affairs Committee. Please let me know if any additional information is needed in support of this request. Thank you.

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
Office: 614-292-1734
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April 5, 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 Applied Science Livestock Production and Management major (LVBSRSW-AA) with Beef (BEF), Small Ruminant (SMR) and Swine (SWN) specializations, submitted for consideration by the FAES Academic Affairs Committee. The modifications of the current curriculum plan address the approved change in credit hours from 3 credits to 4 credits for ANMLTEC 3402T, ANMLTEC 3403T (formerly ANMLTEC 2613T) and ANMLTEC 3404T. The result is an increase from 64 to 65 total credit hours for the three specializations in this major.

The proposed curriculum plan and course sequence result from the change in course credit hours (ANMLTEC 3402T, ANMLTEC 3403T – formerly ANMLTEC 2613T – and ANMLTEC 3404T) as approved by the Agricultural and Engineering Technologies Division at Ohio State ATI, the Ohio State ATI Academic Affairs committee and the University Council on Academic Affairs; and have been approved by the Division and Ohio State ATI Academic Affairs Committee. This program change will not disrupt progress toward degree for students enrolled in this degree program.

Enclosed please find the following documents:

- Current curriculum plans and course sequences for the Beef, Small Ruminant and Swine specializations of the Livestock Production and Management program
- Proposed curriculum plans and course sequences for the Beef, Small Ruminant and Swine specializations of the Livestock Production and Management program

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 APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Beef Specialization**

Ohio State ATI		Major: Beef Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.02T (2 semesters 1 credit each) ANMLTEC 2582.02T (2 semesters 1 credit each) ANMLTEC 3191.02T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3402T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 3 3 5
Technical Studies Total	max 35	Technical Studies Total	31
DEGREE TOTAL	60-65	DEGREE TOTAL	64

LVBSRSW-AA BEF
Catalog Year
2015-2016

Livestock Production and Management
Beef Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.02T	Beef Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	3
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		15
	Total Credits	64

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

LVBSRSW-AA BEF
Catalog Year
2015-2016

Livestock Production and Management
Beef Specialization
Associate of Applied Science

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science and	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits:

ANMLTEC 3404T	Small Ruminant Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Beef Specialization**

Ohio State ATI		Major: Beef Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.02T (2 semesters 1 credit each) ANMLTEC 2582.02T (2 semesters 1 credit each) ANMLTEC 3191.02T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3402T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 34 3 5
Technical Studies Total	max 35	Technical Studies Total	3432
DEGREE TOTAL	60-65	DEGREE TOTAL	6465

**LVBSRSW-AA BEF
Catalog Year
2015-2016**

**Livestock Production and Management
Beef Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.02T	Beef Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	34
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		1516
	Total Credits	64-65

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

LVBSRSW-AA BEF
Catalog Year
2015-2016

Livestock Production and Management
Beef Specialization
Associate of Applied Science

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science and	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits:

ANMLTEC 3404T	Small Ruminant Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Beef Specialization**

Ohio State ATI		Major: Beef Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.02T (2 semesters 1 credit each) ANMLTEC 2582.02T (2 semesters 1 credit each) ANMLTEC 3191.02T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3402T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 4 3 5
Technical Studies Total	max 35	Technical Studies Total	32
DEGREE TOTAL	60-65	DEGREE TOTAL	65

LVBSRSW-AA BEF
Catalog Year
2016-2017

Livestock Production and Management
Beef Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.02T	Food Animal Resource Management I – Beef	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.02T	Beef Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		16
	Total Credits	65

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LVBSRSW-AA BEF
Catalog Year
2016-2017

Livestock Production and Management
Beef Specialization
Associate of Applied Science

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science and	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits:

ANMLTEC 3404T	Small Ruminant Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Small Ruminant Specialization**

Ohio State ATI		Major: Small Ruminant Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.04T (2 semesters 1 credit each) ANMLTEC 2582.04T (2 semesters 1 credit each) ANMLTEC 3191.04T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3404T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 3 3 5
Technical Studies Total	max 35	Technical Studies Total	31
DEGREE TOTAL	60-65	DEGREE TOTAL	64

**LVBSRSW-AA SMR
Catalog Year
2015-2016**

**Livestock Production and Management
Small Ruminant Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	3
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		15
	Total Credits	64

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

**LVBSRSW-AA SMR
Catalog Year
2015-2016**

**Livestock Production and Management
Small Ruminant Specialization
Associate of Applied Science**

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T and 2301T	Introduction to Soil Science and and Introduction to Soil Science Lab	3 1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

ANMLTEC 3402T	Beef Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Small Ruminant Specialization**

Ohio State ATI		Major: Small Ruminant Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.04T (2 semesters 1 credit each) ANMLTEC 2582.04T (2 semesters 1 credit each) ANMLTEC 3191.04T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3404T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 34 3 5
Technical Studies Total	max 35	Technical Studies Total	3132
DEGREE TOTAL	60-65	DEGREE TOTAL	6465

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Livestock Production and Management
Small Ruminant Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	34
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		1516
	Total Credits	6465

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

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Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science and	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

ANMLTEC 3402T	Beef Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Small Ruminant Specialization**

Ohio State ATI		Major: Small Ruminant Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.04T (2 semesters 1 credit each) ANMLTEC 2582.04T (2 semesters 1 credit each) ANMLTEC 3191.04T	2 2 3
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3404T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 4 3 5
Technical Studies Total	max 35	Technical Studies Total	32
DEGREE TOTAL	60-65	DEGREE TOTAL	65

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**Livestock Production and Management
Small Ruminant Specialization
Associate of Applied 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 2202T	Introduction to Beef and Small Ruminant Production	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ENGLISH 1110.01	First Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.04T	Food Animal Resource Management I – Small Ruminants	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Principles of Ruminant Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		16
	Total Credits	65

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

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Small Ruminant Specialization
Associate of Applied Science**

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T and 2301T	Introduction to Soil Science and and Introduction to Soil Science Lab	3 1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

ANMLTEC 3402T	Beef Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Swine Specialization**

Ohio State ATI		Major: Swine Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.03T (2 semesters 1 credit each) ANMLTEC 2582.03T (2 semesters 1 credit each) ANMLTEC 3191.03T	2 2 3
Other courses determined by program		ANMLTEC 2603T ANMLTEC 2613T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T CRPSOIL 2228T Technical Electives (from approved list)	3 3 2 3 3 2 3 5
Technical Studies Total	max 35	Technical Studies Total	31
DEGREE TOTAL	60-65	DEGREE TOTAL	64

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Swine Specialization
Associate of Applied 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 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	3
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	<u>3</u>
		17
<u>Summer Term</u>		
*ANMLTEC 3191.03T	Swine Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	3
TECHNICAL	Elective from approved list	<u>3</u>
		14
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 2613T	Swine Production and Management II	3
ANMLTEC 3133T	Principles of Swine Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		15
	Total Credits	64

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

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Swine Specialization
Associate of Applied Science**

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN
Swine Specialization**

Ohio State ATI		Major: Swine Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.03T (2 semesters 1 credit each) ANMLTEC 2582.03T (2 semesters 1 credit each) ANMLTEC 3191.03T	2 2 3
Other courses determined by program		ANMLTEC 2603T ANMLTEC 2613T-3403T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T CRPSOIL 2228T Technical Electives (from approved list)	3 34 2 3 3 2 3 5
Technical Studies Total	max 35	Technical Studies Total	3132
DEGREE TOTAL	60-65	DEGREE TOTAL	6465

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Swine Specialization
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<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 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	3
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	<u>3</u>
		17
<u>Summer Term</u>		
*ANMLTEC 3191.03T	Swine Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	3
TECHNICAL	Elective from approved list	<u>3</u>
		14
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 2613T/3403T	Swine Production and Management II	34
ANMLTEC 3133T	Principles of Swine Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		45
		1516
	Total Credits	64-65

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

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Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

**ASSOCIATE OF APPLIED SCIENCE DEGREE
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Swine Specialization**

Ohio State ATI		Major: Swine Specialization	
Non-Technical Studies		Non-Technical Studies	
General Education	Sem Cr	General Education	Sem Cr.
Category		Course	
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the following: General Education categories Applied Sciences Business		ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 COMPSTD 2370 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000	2 4 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ANMLTEC 1201.02T	0.5 0.5
Total Non-Technical Studies	min. ½ degree total credits	Total Non-Technical Studies	33
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.03T (2 semesters 1 credit each) ANMLTEC 2582.03T (2 semesters 1 credit each) ANMLTEC 3191.03T	2 2 3
Other courses determined by program		ANMLTEC 2603T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3403T CRPSOIL 2228T Technical Electives (from approved list)	3 2 3 3 2 4 3 5
Technical Studies Total	max 35	Technical Studies Total	32
DEGREE TOTAL	60-65	DEGREE TOTAL	65

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**Livestock Production and Management
Swine Specialization
Associate of Applied 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 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 2603T	Swine Production and Management I	3
ENGLISH 1110.01	First-Year English Composition	3
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	
or 1145T or STAT 1350	or Technical Mathematics or Elementary Statistics	3
GENSTDS 1201T	College Orientation	<u>.5</u>
		15
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2510.03T	Food Animal Resource Management I – Swine	1
ANMLTEC 3170T	Principles of Livestock Health	3
AEDECON 2001	Principles of Food and Resource Economics	3
APPLIED GEN ED	Elective from approved list	3
TECHNICAL	Elective from approved list	<u>3</u>
		16
<u>Summer Term</u>		
*ANMLTEC 3191.03T	Swine Industry Internship	<u>3</u>
		3
<u>2nd Year – Autumn Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3130T	Principles of Animal Nutrition	2
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3200T	Livestock Selection and Evaluation	2
CRPSOIL 2228T	Manure Management	<u>3</u>
		15
<u>2nd Year – Spring Semester</u>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Principles of Swine Nutrition	2
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL	Elective from approved list	<u>2</u>
		16
	Total Credits	65

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

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Swine Specialization
Associate of Applied Science**

Applied Gen Ed Elective options – minimum 3 credits required:

AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
and 2301T	and Introduction to Soil Science Lab	1
ENR 2300	Society and Natural Resources	3
GENCHEM 1100T	Introduction to General Chemistry	3
GENSSC 1181T	Hispanic Culture and Language in the Workplace	3
MICRBIO 4000	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

Technical Elective options – minimum 5 credits required:

BUSTEC 2207T	Problem Solving with Spreadsheets and Databases	2
BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2