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 Fax: 614-292-1218 neal.2@osu.edu

Ohio State ATI

1328 Dover Road Wooster, OH 44691-9000

> 330-287-1330 Phone 330-287-1333 Fax

> > ati.osu.edu

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

Jeanne M. Osborne

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
ाणवा उत्पादाया	11111. 15	Total General	10
Applied General Education		Applied General Education	
Courses determined by program from the		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
Tollowing.		ANMLTEC 3800T	4
General Education categories Applied Sciences		AEDECON 2105	3
Business		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
TALLY TALLED		The state of the s	22
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree		
	total credits		
	creatis		
Technical Studies		Technical Studies	+
Industry/Practical Experience		ANMLTEC 2510.02T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.021 (2 semesters 1 credit each) ANMLTEC 2582.02T (2 semesters 1 credit each)	2
(man) / (man) [min 2 or internally]		ANMLTEC 3191.02T	3
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3402T	3
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	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

Course	<u>Title</u>		Credits
1st Year – Autumn Semester ANMLTEC 1201.02T ANMLTEC 2202T *ANMLTEC 2510.02T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Indus Introduction to Beef and Small Rumina Food Animal Resource Management I First Year English Composition General Biology Business Mathematics or Technical Mathematics or Element College Orientation	nt Production – Beef	.5 3 1 3 4 3 . <u>5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.02T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHHNICAL	Oral Expression in Agriculture Food Animal Resource Management I - Principles of Livestock Health Principles of Food and Resource Econo Elective from approved list Elective from approved list		3 1 3 3 3 3 16
Summer Term *ANMLTEC 3191.02T	Beef Industry Internship		3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.02T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	– Beef	3 1 2 4 2 3 15
2 nd Year – Spring Semester *ANMLTEC 2582.02T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3402T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II Principles of Ruminant Nutrition Livestock Genetic Improvement Beef Production and Management Principles of Farm Business Management Elective from approved list	ent	1 2 3 3 4 2 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	2
RELSTDS 2370	Introduction to Comparative Religion	3

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/	3	ENGLISH 1110.01	3
ORAL COMMUNICATION			
ENGLISH 1110.01		CENT (A THE 1144T 1145T CT A T 1250	
MATHEMATICS/STATISTICS AND	3	GENMATH 1141T or 1145T or STAT 1350	3
LOGIC SOCIAL/BEHAVIORAL SCIENCES	3	AEDECON 2001	3
OR ARTS AND HUMANITIES	3	AEDECON 2001	3
	3	CENDIOL 1200T	4
NATURAL SCIENCES		GENBIOL 1200T	4
From any of the General Education	3	AGRCOMM 3130	3
categories (listed above)			
Total General	min. 15	Total General	16
Total General	111111, 13	Total General	10
Applied General Education		Applied General Education	
Courses determined by program from the		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories		AEDECON 2105	3
Applied Sciences			
Business		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T COMPSTD 2301	
		COMPSTD 2301 COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree total		
	credits		
	creares		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.02T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.02T (2 semesters 1 credit each)	2
		ANMLTEC 3191.02T	3
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3200T	3 2 34 3
		ANMLTEC 3200T ANMLTEC 3402T	24
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
Technical Studies Total	max 35	Technical Studies Total	3132
DEGREE TOTAL	60-65	DEGREE TOTAL	64 <u>65</u>
DEGREE TOTAL	00-05	DEGREE TOTAL	ot us

LVBSRSW-AA BEF Catalog Year 2015-2016

Livestock Production and Management Beef Specialization Associate of Applied Science

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.02T ANMLTEC 2202T *ANMLTEC 2510.02T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Production Food Animal Resource Management I – Beef First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 3 1 3 4 3 . <u>.5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.02T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHHNICAL	Oral Expression in Agriculture Food Animal Resource Management I – Beef Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list Elective from approved list	3 1 3 3 3 3 3 16
Summer Term *ANMLTEC 3191.02T	Beef Industry Internship	3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.02T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II – Beef Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	3 1 2 4 2 3 15
2 nd Year – Spring Semester *ANMLTEC 2582.02T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3402T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Beef Principles of Ruminant Nutrition Livestock Genetic Improvement Beef Production and Management Principles of Farm Business Management Elective from approved list	1 2 3 <mark>34</mark> 4 2 15 16
	Total Credits	64 - <u>65</u>

^{*} 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

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
Total General	IIIII. 15	Total General	10
Applied Conoral Education		Applied General Education	
Applied General Education		ANMLTEC 3130T	2
Courses determined by program from the		ANMLTEC 3140T	4
following:		ANMLTEC 31401 ANMLTEC 3800T	4
General Education categories		AEDECON 2105	3
Applied Sciences		AEDECON 2103	3
Business		Choose 3 credits from the following:	3
Dusiness		AGRCOMM 2367	3
		BUSTEC 2241T	
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION	1	ANMLTEC 1201.02T	0.5
ORIENTATION		ANNIETEC 1201.021	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
Total Non-Technical Studies	½ degree		33
	total		
	credits		
	creates		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.02T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.021 (2 semesters 1 credit each) ANMLTEC 2582.02T (2 semesters 1 credit each)	2
(mai) / (mai) [min 2 or mornomp]		ANMLTEC 3191.02T	3
Other courses determined by program		ANMLTEC 2202T	3
can courses acternation by program		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	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 Beef Specialization Associate of Applied Science

Course	<u>Title</u>	<u>C</u>	redits
1st Year – Autumn Semester ANMLTEC 1201.02T ANMLTEC 2202T *ANMLTEC 2510.02T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Food Animal Resource Management I – First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementar College Orientation	Production Beef	.5 3 1 3 4 3 . <u>5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.02T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHNICAL	Oral Expression in Agriculture Food Animal Resource Management I – Principles of Livestock Health Principles of Food and Resource Econom Elective from approved list Elective from approved list		3 1 3 3 3 3 16
Summer Term *ANMLTEC 3191.02T	Beef Industry Internship		3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.02T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II – Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	Beef	3 1 2 4 2 3 15
2 nd Year – Spring Semester *ANMLTEC 2582.02T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3402T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Principles of Ruminant Nutrition Livestock Genetic Improvement Beef Production and Management Principles of Farm Business Managemen Elective from approved list	t	1 2 3 4 4 2 16
		Total Credits	US

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

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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

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/	3	ENGLISH 1110.01	3
ORAL COMMUNICATION			
ENGLISH 1110.01			
MATHEMATICS/STATISTICS AND	3	GENMATH 1141T or 1145T or STAT 1350	3
LOGIC			
SOCIAL/BEHAVIORAL SCIENCES	3	AEDECON 2001	3
OR ARTS AND HUMANITIES			
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education	3	AGRCOMM 3130	3
categories (listed above)			
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories		AEDECON 2105	3
Applied Sciences		Choose 3 credits from the following:	
Business		AGRCOMM 2367	3
		BUSTEC 2241T	
		COMPSTD 2370	
		COMPSTD 2370 CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree		
	total		
	credits		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.04T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.04T (2 semesters 1 credit each)	2
		ANMLTEC 3191.04T	3
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	2
		ANMLTEC 3150T ANMLTEC 3170T	3 3
		ANMLTEC 31/01 ANMLTEC 3200T	2
		ANMLTEC 3404T	3
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	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>Title</u>	Credits
Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Production Food Animal Resource Management I – Small Ruminants First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 3 1 3 4 3 . <u>5</u>
Oral Expression in Agriculture Food Animal Resource Management I – Small Ruminants Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list Elective from approved list	3 1 3 3 3 3 16
Small Ruminant Industry Internship	3 3
Managerial Records and Analysis Food Animal Resource Management II – Small Ruminants Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	3 1 2 4 2 3 15
Food Animal Resource Management II – Small Ruminants Principles of Ruminant Nutrition Livestock Genetic Improvement Small Ruminant Production and Management Principles of Farm Business Management Elective from approved list Total Credits	1 2 3 3 4 2 15
	Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Production Food Animal Resource Management I – Small Ruminants First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation Oral Expression in Agriculture Food Animal Resource Management I – Small Ruminants Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list Elective from approved list Small Ruminant Industry Internship Managerial Records and Analysis Food Animal Resource Management II – Small Ruminants Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management Food Animal Resource Management II – Small Ruminants Principles of Ruminant Nutrition Livestock Genetic Improvement Small Ruminant Production and Management Principles of Farm Business Management

^{*} 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	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

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/	3	ENGLISH 1110.01	3
ORAL COMMUNICATION			
ENGLISH 1110.01	2	CDVD 64 TW 11 41 T	2
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T or STAT 1350	3
SOCIAL/BEHAVIORAL SCIENCES	3	AEDECON 2001	3
OR ARTS AND HUMANITIES	3	TEBECOT 2001	
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education	3	AGRCOMM 3130	3
categories (listed above)	3	MORCOMM 3130	3
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
G IFI :		ANMLTEC 3800T	4
General Education categories		AEDECON 2105	3
Applied Sciences Business		Choose 3 credits from the following: AGRCOMM 2367	3
Busiliess		BUSTEC 2241T	3
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
Total Non-Technical Studies	½ degree	Total Non-Technical Studies	33
	total		
	credits		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.04T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.04T (2 semesters 1 credit each)	2
		ANMLTEC 3191.04T	3
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	2
		ANMLTEC 3150T ANMLTEC 3170T	3
		ANMLTEC 31/01 ANMLTEC 3200T	3 2 <mark>34</mark> 3 5
		ANMLTEC 32001 ANMLTEC 3404T	<u>2</u>
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
Technical Studies Total	max 35	Technical Studies Total	31 32
DEGREE TOTAL	60-65	DEGREE TOTAL	64 65

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Livestock Production and Management Small Ruminant Specialization Associate of Applied Science

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.02T ANMLTEC 2202T *ANMLTEC 2510.04T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Production Food Animal Resource Management I – Small Ruminants First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 3 1 3 4 3 . <u>5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.04T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHNICAL	Oral Expression in Agriculture Food Animal Resource Management I – Small Ruminants Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list Elective from approved list	3 1 3 3 3 3 3
Summer Term *ANMLTEC 3191.04T	Small Ruminant Industry Internship	3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.04T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II – Small Ruminants Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	3 1 2 4 2 3 15
2 nd Year – Spring Semester *ANMLTEC 2582.04T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3404T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Small Ruminants Principles of Ruminant Nutrition Livestock Genetic Improvement Small Ruminant Production and Management Principles of Farm Business Management Elective from approved list Total Credits	1 2 3 34 4 2 1516

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

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Livestock Production and Management Small Ruminant Specialization Associate of Applied Science

Applied Gen Ed Elective options – minimum 3 credits required:

3
3
3
3
1
3
3
3
4
3

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/	3	ENGLISH 1110.01	3
ORAL COMMUNICATION			
ENGLISH 1110.01			
MATHEMATICS/STATISTICS AND	3	GENMATH 1141T or 1145T or STAT 1350	3
LOGIC SOCIAL/BEHAVIORAL SCIENCES	3	AEDECON 2001	3
OR ARTS AND HUMANITIES	3	AEDECON 2001	3
OR ARTS AND HUMANTILES			
NATURAL SCIENCES	3	GENBIOL 1200T	4
From any of the General Education	3	AGRCOMM 3130	3
categories (listed above)			
Total General	min. 15	Total General	16
Applied General Education		Applied General Education	
Courses determined by program from the		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories		AEDECON 2105	3
Applied Sciences		Choose 3 credits from the following:	2
Business		AGRCOMM 2367	3
		BUSTEC 2241T	
		COMPSTD 2301 COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000	
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION		ANMLTEC 1201.02T	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree		
	total		
Taskwissi Christian	credits	Tashulasi Ciudias	
Technical Studies Industry/Practical Experience		Technical Studies ANMLTEC 2510.04T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2510.041 (2 semesters 1 credit each) ANMLTEC 2582.04T (2 semesters 1 credit each)	2
(mm)- 5 (max) [mm 2 cr memsmp]		ANMLTEC 2382.041 (2 semesters 1 credit each) ANMLTEC 3191.04T	3
Other courses determined by program		ANMLTEC 2202T	3
omer courses accommod by program		ANMLTEC 3132T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3404T	4
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	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

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.02T ANMLTEC 2202T *ANMLTEC 2510.04T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Introduction to Beef and Small Ruminant Production Food Animal Resource Management I – Small Ruminants First Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 3 1 3 4 3 . <u>.5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.04T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHNICAL	Oral Expression in Agriculture Food Animal Resource Management I – Small Ruminants Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list Elective from approved list	3 1 3 3 3 3 3 16
Summer Term *ANMLTEC 3191.04T	Small Ruminant Industry Internship	3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.04T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II – Small Ruminants Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	3 1 2 4 2 3 15
2 nd Year – Spring Semester *ANMLTEC 2582.04T ANMLTEC 3132T ANMLTEC 3150T ANMLTEC 3404T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Small Ruminants Principles of Ruminant Nutrition Livestock Genetic Improvement Small Ruminant Production and Management Principles of Farm Business Management Elective from approved list Total Credits	1 2 3 4 4 2 16
	Total Credits	US

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

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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	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

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		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories Applied Sciences		AEDECON 2105	3
Business		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
20777221212722		MICRBIO 4000	0.5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION The Laboration of	•	ANMLTEC 1201.02T Total Non-Technical Studies	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree total		
	credits		
	Crouin		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.03T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.03T (2 semesters 1 credit each)	2
, , , , , , , , , , , , , , , , , , , ,		ANMLTEC 3191.03T	3
		ANMLTEC 2603T	3
Other courses determined by program		ANMLTEC 2613T	3
		ANMLTEC 3133T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
Technical Studies Total	max 35	Technical Studies Total	31
DEGREE TOTAL	60-65	DEGREE TOTAL	64

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Livestock Production and Management Swine Specialization Associate of Applied Science

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.02T *ANMLTEC 2510.03T ANMLTEC 2603T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Food Animal Resource Management I – Swine Swine Production and Management I First-Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 1 3 3 4 3 . <u>.5</u> 15
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.03T ANMLTEC 3140T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED	Oral Expression in Agriculture Food Animal Resource Management I – Swine Animal Anatomy and Physiology Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list	3 1 4 3 3 3 17
Summer Term *ANMLTEC 3191.03T	Swine Industry Internship	$\frac{3}{3}$
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.03T ANMLTEC 3130T ANMLTEC 3200T CRPSOIL 2228T TECHNICAL	Managerial Records and Analysis Food Animal Resource Management II – Swine Principles of Animal Nutrition Livestock Selection and Evaluation Manure Management Elective from approved list	3 1 2 2 2 3 3 3 14
2 nd Year – Spring Semester *ANMLTEC 2582.03T ANMLTEC 2613T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Swine Swine Production and Management II Principles of Swine Nutrition Livestock Genetic Improvement Principles of Farm Business Management Elective from approved list	1 3 2 3 4 2 15
	Total Credi	ts 64

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

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Livestock Production and Management 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

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		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories Applied Sciences		AEDECON 2105	3
Business		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
2022-2021		MICRBIO 4000	0.5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION The Laboratory of	•	ANMLTEC 1201.02T Total Non-Technical Studies	0.5
Total Non-Technical Studies	min.	Total Non-Technical Studies	33
	½ degree total		
	credits		
	Crouin		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.03T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.03T (2 semesters 1 credit each)	2
, , , , , , , , , , , , , , , , , , , ,		ANMLTEC 3191.03T	3
		ANMLTEC 2603T	3
Other courses determined by program		ANMLTEC <u>2613T 3403T</u>	<u>34</u>
		ANMLTEC 3133T	3 <u>4</u> 2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
Technical Studies Total	max 35	Technical Studies Total	31 32
DEGREE TOTAL	60-65	DEGREE TOTAL	64 <u>65</u>

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Livestock Production and Management Swine Specialization Associate of Applied Science

Course	<u>Title</u>	Credits
1st Year – Autumn Semester ANMLTEC 1201.02T *ANMLTEC 2510.03T ANMLTEC 2603T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Food Animal Resource Management I – Swine Swine Production and Management I First-Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary Statistics College Orientation	.5 1 3 3 4 3 . <u>5</u>
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.03T ANMLTEC 3140T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED	Oral Expression in Agriculture Food Animal Resource Management I – Swine Animal Anatomy and Physiology Principles of Livestock Health Principles of Food and Resource Economics Elective from approved list	3 1 4 3 3 3 <u>3</u> 17
Summer Term *ANMLTEC 3191.03T	Swine Industry Internship	3 3
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.03T ANMLTEC 3130T ANMLTEC 3200T CRPSOIL 2228T TECHNICAL	Managerial Records and Analysis Food Animal Resource Management II – Swine Principles of Animal Nutrition Livestock Selection and Evaluation Manure Management Elective from approved list	3 1 2 2 3 3 14
2 nd Year – Spring Semester *ANMLTEC 2582.03T ANMLTEC 2613T3403T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – Swine Swine Production and Management II Principles of Swine Nutrition Livestock Genetic Improvement Principles of Farm Business Management Elective from approved list	1 34 2 3 4 2 1516
	Total Credits	64 - <u>65</u>

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

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Livestock Production and Management 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

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		ANMLTEC 3130T	2
following:		ANMLTEC 3140T	4
		ANMLTEC 3800T	4
General Education categories Applied Sciences		AEDECON 2105	3
Business		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		COMPSTD 2370	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
COLLEGEIGARER	1	MICRBIO 4000	0.5
COLLEGE/CAREER	1	GENSTDS 1201T	0.5
ORIENTATION Total Non-Technical Studies	:	ANMLTEC 1201.02T	0.5
Total Non-Technical Studies	min. ½ degree	Total Non-Technical Studies	33
	total		
	credits		
Technical Studies		Technical Studies	
Industry/Practical Experience		ANMLTEC 2510.03T (2 semesters 1 credit each)	2
3 (min)- 9 (max) [min 2 cr internship]		ANMLTEC 2582.03T (2 semesters 1 credit each)	2
		ANMLTEC 3191.03T	3
		ANMLTEC 2603T	3
Other courses determined by program		ANMLTEC 3133T	2
		ANMLTEC 3150T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3403T	4
		CRPSOIL 2228T	3
Table 2 - 1 Charles T. 4 1	25	Technical Electives (from approved list)	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

Course	<u>Title</u>	<u>Credi</u>	<u>ts</u>
1st Year – Autumn Semester ANMLTEC 1201.02T *ANMLTEC 2510.03T ANMLTEC 2603T ENGLISH 1110.01 GENBIOL 1200T GENMATH 1141T or 1145T or STAT 1350 GENSTDS 1201T	Exploring Livestock Careers and Industry Food Animal Resource Management I – Sv Swine Production and Management I First-Year English Composition General Biology Business Mathematics or Technical Mathematics or Elementary College Orientation	3 3 4	
1st Year – Spring Semester AGRCOMM 3130 *ANMLTEC 2510.03T ANMLTEC 3170T AEDECON 2001 APPLIED GEN ED TECHNICAL	Oral Expression in Agriculture Food Animal Resource Management I – Sy Principles of Livestock Health Principles of Food and Resource Economic Elective from approved list Elective from approved list	3	
Summer Term *ANMLTEC 3191.03T	Swine Industry Internship	$\frac{3}{3}$	
2 nd Year – Autumn Semester AEDECON 2105 *ANMLTEC 2582.03T ANMLTEC 3130T ANMLTEC 3140T ANMLTEC 3200T CRPSOIL 2228T	Managerial Records and Analysis Food Animal Resource Management II – S Principles of Animal Nutrition Animal Anatomy and Physiology Livestock Selection and Evaluation Manure Management	wine 3 1 2 4 2 3 15	
2 nd Year – Spring Semester *ANMLTEC 2582.03T ANMLTEC 3133T ANMLTEC 3150T ANMLTEC 3403T ANMLTEC 3800T TECHNICAL	Food Animal Resource Management II – S Principles of Swine Nutrition Livestock Genetic Improvement Swine Production and Management II Principles of Farm Business Management Elective from approved list	wine 1 2 3 4 4 4 2 16	
	To	tal Credits 65	

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

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Livestock Production and Management 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	۷
RELSTDS 2370	Introduction to Comparative Religion	3

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