

**From:** [Smith, Randy](#)  
**To:** [Osborne, Jeanne](#); [Gerber, Carri](#)  
**Cc:** [Sutherland, Sue](#); [Smith, Randy](#); [Griffiths, Rob](#); [Reed, Katie](#); [Duffy, Lisa](#); [Hunt, Ryan](#); [Civittolo, David](#); [Kress, Cathann](#)  
**Subject:** Proposal to reimagine the Livestock Production Major  
**Date:** Wednesday, January 14, 2026 5:50:02 PM  
**Attachments:** [image001.png](#)

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Carri and Jeanne:

The proposal from Ohio State ATI to reimagine the Livestock Production major leading to the Associate of Applied Science was approved by the Council on Academic Affairs at its meeting on January 14, 2026. Included in this proposal is the request to deactivate the following programs:

- Dairy Cattle Production and Management major leading to the Associate of Applied Science
- Horse Production and Management major leading to the Associate of Applied Science

Thank you for attending the meeting to respond to questions/comments.

No additional level of internal review/approval is necessary. This action will be included in the Council's next [Annual Activities Report](#) to the University Senate (July 2026).

My office will now work with you on the approval process with the Ohio Department of Higher Education.

The Office of the University Registrar will work you with any implementation issues.

Please keep a copy of this message for your file on the proposal and I will do the same for the file in the Office of Academic Affairs.

If you have any questions please contact the Chair of the Council, Professor Sue Sutherland (.43), or me.

Thank you for this important programmatic step.

Randy



**W. Randy Smith, Ph.D.**

Vice Provost for Academic Programs

Office of Academic Affairs

University Square South, 15 E. 15<sup>th</sup> Avenue, Columbus, OH 43201

614-292-5881 Office

[smith.70@osu.edu](mailto:smith.70@osu.edu)

**Assisted by:**

**Katie Reed**

Executive Assistant

(614) 292-5672

**From:** [Osborne, Jeanne](#)  
**To:** [Smith, Randy](#)  
**Cc:** [Reed, Katie](#); [Violet, Cynthia](#); [Lewandowski, Monica](#); [Gerber, Carri](#)  
**Subject:** Requesting CAA Approval for revision to the Livestock Production and Management AAS, including name change to Animal Production and Management AAS  
**Date:** Monday, November 24, 2025 3:42:59 PM  
**Attachments:** [image001.png](#)  
[ANMPMGT-AA.pdf](#)  
[Dairy - ODHE Program Elimination Request for Temporary Waiver.docx](#)  
[Horse - ODHE Program Elimination Request for Temporary Waiver.docx](#)

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Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision to the current Livestock Production and Management AAS degree, including a name change (to Animal Production and Management AAS), addition of two specializations (Dairy and Horse), and deactivation of the current stand-alone majors: Dairy Cattle Production and Management AAS and Horse Production and Management AAS, summarized below and outlined in the attached proposal. This fulfills the commitment outlined in the Temporary Waivers for Dairy Cattle Production and Management AAS and Horse Production and Management AAS submitted to ODHE in response to Senate Bill 1 (I have attached the Temporary Waiver form for each program).

In addition to a change in the name of the major (including an update to the Plan Code to ANMPMGT-AA) and addition of two specializations, resulting in five total: Dairy (DRY) and Horse (HRS) added to Beef (BEF), Small Ruminant (SMR) and Swine (SWN), the proposal includes the following changes to the current major: creation of a common core with adjustments to components of the core to: support student success, remove courses that are no longer offered, and provide options for students in the new specializations. Additionally, there were updates to the existing specializations (Beef, Small Ruminant and Swine) to better reflect the course options to benefit students and align with feedback resulting from program review and advisory committee input.

Current students will not be affected by these changes and any course offering changes will be managed by petition to ensure students' progress to graduation.

This proposal has been approved by the Academic Affairs Committee of the Ohio State Agricultural Technical Institute (ATI) - Wooster and the CFAES Committee on Academic Affairs. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne



*Jeanne M. Osborne* | Pronouns: She, Her, Hers  
Assistant Dean for Academic Affairs

College of Food, Agricultural, and Environmental Sciences  
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Columbus, OH 43210  
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*'Unexpected kindness is the most powerful, least costly, and most underrated agent of human change'* (Bob Kerrey)



November 4, 2025

Ms. Jeanne Osborne  
Assistant Dean for Academic Programs  
100E Agricultural Administration Building  
2120 Fyffe Rd  
Columbus, OH 43210

Dear Ms. Osborne,

Enclosed please find the proposed revision to the program name, curriculum plans, and course sequences for the Associate of Applied Science Animal Production and Management program (Beef, Dairy, Horse, Small Ruminant, and Swine specializations) submitted for consideration by the FAES Academic Affairs Committee.

Dr. Mike Amstutz, Dr. Shaun Wellert, and Dr. Sara Mastellar, in consultation with the programs' advisory committees, revised the Associate of Applied Science Livestock Production and Management program. Changes include, a name change, addition of dairy cattle and horse specializations and we will inclusion of dairy cattle and horse in program goals for assessment. The program coordinators provided the following rationale for the curricular change:

This update fulfills the commitment outlined in the temporary waiver submitted to the Ohio Department of Higher Education (ODHE) in response to Senate Bill 1. That waiver detailed Ohio State ATI's intent to consolidate the Associate of Applied Science animal-related programs, Livestock Production and Management, Dairy Cattle Production and Management, and Horse Production and Management, into a single, streamlined offering.

The proposed consolidated curriculum changes are as follows:

**Animal Production and Management "Core", applies to all specializations:**

**General Education - Mathematics**

- *Remove* GENMATH 1145T Technical Mathematics  
*Rationale* Assessment indicated course goals, program goals, and student success did not align

**General Education - Natural Science**

- *Add* BIOLOGY 1101 Introductory Biology  
*Rationale* Reflects current practice
- *Remove* GENBIOL 1200T General Biology  
*Rationale* Course has been deactivated

**Applied General Education**

AnmlTec Options

- *Add* ANMLTEC 3157T Dairy Cattle Genetic Improvement  
*Add* ANMTLEC 2201T *Introduction to Horse Science*  
*Rationale* Provide options for students with varied interests.

**Elective options**

- *Remove* AGRCOMM 2367 Agricultural Issues in Contemporary Society  
*Rationale* Course no longer offered on the Wooster campus.
- *Separated* CROPSOIL 2300T Introduction to Soil Science and CROPSOIL 2301T Introduction to Soil Science Lab into individual choices  
*Rationale* Lecture content is sufficient for this program.

### **Technical Studies**

- *Add* GENSTDS 3191T Conducting your Internship in the College of Food, Agricultural, and Environmental Sciences OSU ATI  
*Rationale* Aligns with the updated internship structure at Ohio State ATI.

### **Specialization updates**

#### **Beef, Small Ruminant, and Swine updates**

**Technical Elective Options** – updated to better reflect current course offerings as well as adding options that align with feedback taken from program review and advisory committee input.

- *Add* BUSTEC 2247T Business Law  
*Rationale* Provide options for students with varied interests
- *Remove* BUSTEC 2207T Problem Solving with Spreadsheets and Databases  
*Rationale* Course is scheduled for deactivation
- *Remove* CRPSOIL 2200T Introduction to Sustainable Agriculture  
*Rationale* Course has been deactivated
- *Remove* ENGTECH 2092T Problem Solving: Career and Society Applications  
*Rationale* Course is scheduled for deactivation
- *Remove* MEATSCI 2010 Bar-B-Que Science  
*Rationale* Course no longer offered on the Wooster campus

#### **Beef and Small Ruminant updates**

##### **Technical Studies**

- *Add* CRPSOIL 2412T Technology and Field Management of Forage Crops  
*Rationale* Moved from Technical Elective Options into Technical Studies Requirement
- *Remove* CRPSOIL 2228T Manure Management  
*Rationale* Moved to Technical Elective Options

##### **Technical Elective Options**

- *Add* CRPSOIL 2228T Manure Management  
*Rationale* Moved to Technical Elective Options to provide student choice.
- *Remove* CRPSOIL 2412T Technology and Field Management of Forage Crops
- *Rationale* Moved to Technical Studies requirements.

#### **Swine specific update**

##### **Technical Elective Options**

- *Add* GENSSC 1181T Hispanic Culture and Language in the Workplace  
*Rationale* Addresses the large number of Hispanic workers in swine production and enhances cultural competency.

### **New Specializations**

This proposal includes two new specializations, Dairy and Horse, which incorporate technical course content from the existing Dairy Cattle Production and Management and Horse Production and Management AAS programs. These programs will be deactivated (see below).

### **Assessment**

In consultation with the CFAES Director of Teaching, Learning, and Assessment, Dr. Warren Flood, the program coordinator will update the program assessment plan to reflect these changes.

### **Program Approval and Student Impact**

The proposed changes to the program name, curriculum plan, and course sequence for the Associate of Applied Science Animal Production and Management program have been approved by the Animal Sciences and 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. This program change will not disrupt progress toward degree for students enrolled in this degree program. Course substitutions and manual management of the degree audits will occur as needed for students enrolled in this degree program during the transition. When appropriate, coursework completed by students under the current degree program will be utilized for completion of the proposed degree program.

### **Program Deactivation Request**

We request the deactivation of the Associate of Applied Science Dairy Cattle Production and Management and Horse Production and Management programs effective Summer 2026. The deactivation was approved by the Animal Science and Technologies Division, Ohio State ATI Academic Affairs committee, and the faculty at Ohio State ATI.

Current enrollment in the Dairy Cattle Production and Management program consists of:

- 7 first year students
- 11 second+ year students

7 of the 11 students have applied for SP26 graduation. No new students will be enrolled. This proposed program deactivation will not disrupt progress toward degree. Working closely with a faculty advisor and the Ohio State ATI academic affairs office, the students who are currently enrolled can complete an Associate of Applied Science degree by successfully completing the remaining courses and labs (using substitutions of the current or newly revised courses if necessary).

Current enrollment in the Horse Production and Management program consists of:

- 6 first year students
- 4 second+ year students

2 of the 4 students have applied for SP26 graduation. No new students will be enrolled. This proposed program deactivation will not disrupt progress toward degree. Working closely with a faculty advisor and the Ohio State ATI academic affairs office, the students who are currently enrolled can complete an Associate of Applied Science degree by successfully completing the remaining courses and labs (using substitutions of the current or newly revised courses if necessary).

Deactivating the Dairy Cattle Production and Management and Horse Production and Management programs will have little impact on Ohio State ATI. Incoming students will be directed to the updated Associate of Applied Science Animal Production and Management program. No courses will be deactivated at this time.

### **Program Plan Request**

We request a new program plan be assigned. Please use ANMPMGT-AA for Animal Production and Management with the following for each specialization:

ANMPMGT-AA BEF - Beef  
ANMPMGT-AA DRY - Dairy  
ANMPMGT-AA HRS - Horse  
ANMPMGT-AA SMR - Small Ruminant  
ANMPMGT-AA SWN - Swine

Enclosed please find the following documents:

- List of General Education and Applied General Education Course Options at Ohio State ATI
- Current curriculum plans and course sequences for the Associate of Applied Science Livestock Production and Management program with Beef, Small Ruminant, and Swine specializations
- Proposed curriculum plan and course sequence for the Associate of Applied Science Animal Production and Management program with Beef, Dairy, Horse, Small Ruminant, and Swine specializations

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,



Carri A. Gerber, Ph.D.  
Associate Director, Ohio State ATI

**OHIO STATE ATI  
ASSOCIATE OF APPLIED SCIENCE DEGREE  
NON-TECHNICAL COURSE OPTIONS BY CATEGORY\* (Effective SP2025)**

**GENERAL EDUCATION**

Those courses in written and oral communication, quantitative principles, biological and physical sciences, social and behavior sciences and the arts and humanities that provide the foundation and common experience expected among individuals holding associate and baccalaureate degrees. These courses, along with courses within a major, provide opportunities for critical thinking, problem solving and analytic skills.

**English Composition / Oral Communication**

AGRCOMM 3130 - Oral Expression in Agriculture  
ENGLISH1110.01 - REQUIRED - First-Year English Composition

**Mathematics / Statistics and Logic**

COMLDR 3537 - Data Analysis in the Applied Sciences  
GENMATH 1141T - Business Mathematics  
GENMATH 1145T - Technical Mathematics  
MATH 1148 - College Algebra  
MATH 1149 - Trigonometry  
MATH 1150 - Precalculus  
MATH 1151 - Calculus I

**Arts and Humanities**

COMLDR 3535 - Historical and Cultural Studies  
COMPSTD 2301 - Introduction to World Literature  
HISTORY 1152 - American History since 1877  
MUSIC 2250 - Music Culture of the World  
RELSTDS 2370 - Introductions to Comparative Religion

**Social and Behavioral Sciences**

AEDECON 2001 - Principles of Food and Resource Economics  
ENR 2300 - Society and Natural Resources  
PSYCH 1100 - Introduction to Psychology

**Natural Sciences**

ANIMSCI 2200.01 - Introductory Animal Sciences  
ANMLTEC 3140T - Anatomy and Physiology  
ASM 2150 - Applied Agricultural Mechanics and Electronics  
BIOLOGY 1101 - Introductory Biology  
BIOLOGY 1113.01 - Bio Sci: Energy Transfer & Dev.  
BIOLOGY 1114.01 - Bio Sci: Form, Function, Diversity and Ecology  
CHEM 1110 - Elementary Chemistry  
CHEM 1210 - General Chemistry I  
CHEM 1220 - General Chemistry II  
CRPSOIL 2300T and 2301T Introduction to Soil Science/Intro Lab  
ENR 2100 - Intro. to Environmental Science  
GENBIOL 1250T - General Botany with Applications  
GENCHEM 1100T - Introduction to General Chemistry  
HCS 2202 - Form and Function in Cultivated Plants  
MICRBIOL 4000.01 - Basic and Practical Microbiology  
PHYSICS 1200 - Mechanics, Kinematics, Fluids, Waves  
TECPHYS 1150T - Technical Physics

\*May also be used as a technical studies course but can only be used once.

**APPLIED GENERAL EDUCATION**

Those courses within applied associate degrees that emphasize the application of general education to an occupational or technical area. Courses such as technical communication, business mathematics, calculations for health professionals, study skills, applied computing, and practical psychology are examples that fall in this category. Applied general education coursework cannot be counted toward meeting the minimum requirements for general education courses in associate or baccalaureate degrees (i.e., 15 semester hours in applied associate degree programs and 36 semester hours in associate of arts, associate of science and bachelor's degrees).

**English Composition / Oral Communication**

AGRCOMM 2330 - Public Perceptions of Agricultural and Environmental Issues  
ENR 2367 - Communicating Environmental and Natural Resources Information  
GENCOMM 2115T - Technical and Business Writing

**Business**

AEDECON 2105 - Managerial Records and Analysis  
ANMLTEC 3800T - Principles of Farm Business Management  
BUSTEC 1202T - Software Applications  
BUSTEC 2231T - Fundamentals of Marketing  
BUSTEC 2232T - Personal Selling  
BUSTEC 2240T - Introduction to Project Management  
BUSTEC 2241T - Small Business Management  
BUSTEC 2244T - Human Resource Management and Leadership  
BUSTEC 2247T - Business Law  
BUSTEC 2249T - Fundamentals of Business Finance  
CRPSOIL 3800T - Principles of Farm Business Management  
HORTTEC 2260T - Sports Turf Operations Organization and Management  
HORTTEC 2270T - Golf Course Organization and Management

**Social and Behavioral Sciences**

GENSSC 1181T - Hispanic Culture and Language in the Workplace

**Applied Sciences**

ANIMSCI 2200.03 - Animal Systems  
ANMLTEC 2201T - Introduction to Horse Science  
ANMLTEC 2603T - Swine Production and Management I  
ANMLTEC 2200.02T - Introduction to Animal Science Laboratory  
ANMLTEC 2202T - Introduction to Beef and Small Ruminant Production  
ANMLTEC 3150T - Livestock Genetic Improvement  
ANMLTEC 3157T - Dairy Cattle Genetic Improvement  
BIOTECH 2218T - General and Applied Entomology  
CRPSOIL 2422T - Weed Control Technology  
ENGTECH 2121T - Drafting & Computer-Aided Design  
ENGTECH 2310T - Building Science: Electrical and Lighting Systems  
ENGTECH 2322T - Basic Electricity and Electronics  
ENGTECH 2345T - Building Science: Mechanical Systems  
ENR 3100 - Introduction to Sustainable Agriculture  
HCS 2204 - Ecology of Managed Plant Systems  
HCS 2205 - Ecology of Managed Plant Systems Lab  
HORTTEC 2110T - Plant Materials I  
HORTTEC 2120T - Plant Materials II  
HORTTEC 2500T - Greenhouse Environment Control  
HORTTEC 2740T - Plant Propagation  
HORTTEC 2819T - Pesticides and their Use  
HORTTEC 2880T - Principles of Weed Science  
HORTTEC 2890T - Plant Diseases of Ornamentals and Turf





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

**Current**

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	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
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:		ANMLTEC 3150T	3
General Education categories		ANMLTEC 3140T	4
Applied Sciences		ANMLTEC 3800T	4
Business		AEDECON 2105	3
		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		CRPSOIL 2300T AND 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000.01	
		RELSTDS 2370	
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T	0.5
		ANMLTEC 1201.02T	0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr. internship]		ANMLTEC 2510.02T (2 semesters 1 credit each)	2
		ANMLTEC 2582.02T (2 semesters 1 credit each)	2
		ANMLTEC 3191.02T	3
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3402T	4
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>



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	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIO 1200T BIOLOGY 1101	4 4
From any of the General Education categories ( listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:  General Education categories Applied Sciences Business		ANMLTEC 3150T ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: ANMLTEC 3150T ANMLTEC 3157T ANMLTEC 2201T  Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T AND 2301T CRPSOIL 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	3 4 4 3 3  3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T ANMLTEC 1201.02T	0.5 0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
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 GENSTDS 3191T	2 2 3 0
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3402T CRPSOIL 2228T CRPSOIL 2412T Technical Electives (from approved list)	3 3 3 2 4 3 3 5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>

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	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	BIOLOGY 1101	4
From any of the General Education categories ( listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:  General Education categories Applied Sciences Business		ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: ANMLTEC 3150T ANMLTEC 3157T ANMLTEC 2201T Choose 3 credits from the following: BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T CRPSOIL 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	4 4 3 3    3
<b>COLLEGE/CAREER ORIENTATION</b>	1	GENSTDS 1201.01T ANMLTEC 1201.02T	0.5 0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
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 GENSTDS 3191T	2 2 3 0
Other courses determined by program		ANMLTEC 2202T ANMLTEC 3132T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3402T CRPSOIL 2412T Technical Electives (from approved list)	3 3 3 2 4 3 5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>



**LIVESTOCK PRODUCTION AND MANAGEMENT CURRICULUM PLAN**  
**Beef Specialization**

**Current**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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
ANMLTEC 3200T	Livestock Evaluation and Selection	2
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	3
<b>or</b> GENMATH 1145T	<b>or</b> Technical Mathematics	
GENSTDS 1201.01T	College Orientation	<u>.5</u>
		<b>14</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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>
		<b>16</b>
<b><u>Summer Term</u></b>		
*ANMLTEC 3191.02T	Beef Industry Internship	<u>3</u>
		<b>3</b>
<b><u>2<sup>nd</sup> Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2228T	Manure Management	3
TECHNICAL ELECTIVE	From approved list	<u>2</u>
		<b>16</b>
<b><u>2<sup>nd</sup> Year – Spring Semester</u></b>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3402T	Beef Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	<u>4</u>
		<b>15</b>
<b>Total Credits</b>		<b>64</b>

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



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

**Current**

**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
<b>and 2301T</b>	<b>and Introduction to Soil Science Lab</b>	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 4000.01	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 ( <i>Prereq: BUSTEC 1202T</i> )	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	Technology and Field Management of Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2



**ASSOCIATE OF APPLIED SCIENCE DEGREE**

**ANIMAL PRODUCTION AND MANAGEMENT CURRICULUM PLAN**

**Beef Specialization**

**Proposed with highlighted changes**

Course	Title	Credits
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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	2
ANMLTEC 3200T	Livestock Evaluation and Selection	1
<del>GENBIOL 1200T</del>	<del>General Biology</del>	<del>2</del>
<b>BIOLOGY 1101</b>	<b>Introductory Biology</b>	<b>4</b>
GENMATH 1141T	Business Mathematics	3
<del>or GENMATH 1145T</del>	<del>or Technical Mathematics College</del>	<del>3</del>
GENSTDS 1201.01T	Orientation	.5
<b>TECHNICAL ELECTIVE</b>	<b>From approved list</b>	<b>2</b>
<b>Total</b>		<b>16</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
<b>Total</b>		<b>16</b>
<b><u>Summer Term</u></b>		
<b>*ANMLTEC 3191.02T</b>	<b>Beef Industry Internship</b>	<b>3</b>
<b>GENSTDS 3191T</b>	<b>Conducting Your Internship in CFAES</b>	<b>0</b>
<b>Total</b>		<b>0</b>
<b><u>2nd Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
<del>CRPSOIL 2228T</del>	<del>Manure Management</del>	<del>3</del>
<b>CRPSOIL 2412T</b>	<b>Technology and Field Management of Forage Crops</b>	<b>3</b>
<del>TECHNICAL ELECTIVE</del>	<del>From approved list</del>	<del>2</del>
<b>*ANMLTEC 3191.02T</b>	<b>Beef Industry Internship</b>	<b>3</b>
<b>Total</b>		<b>17</b>
<b><u>2nd Year – Spring Semester</u></b>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
<b>Total</b>		<b>15</b>
<b>Total Credits</b>		<b>64</b>

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



**ASSOCIATE OF APPLIED SCIENCE DEGREE**

**ANIMAL PRODUCTION AND MANAGEMENT CURRICULUM PLAN**  
**Beef Specialization**

**Proposed with highlighted changes**

<b>Applied General Education Elective Options – 3 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
<del>AGRCOMM 2367</del>	<del>Agricultural Issues in Contemporary Society</del>	<del>3</del>
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	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 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

<b>Technical Elective Options – 6 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
ANMLTEC 3404T	Small Ruminant Production and Management	3
BUSTEC 1202T	Software Applications	1
<del>BUSTEC 2207T</del>	<del>Problem Solving with Spreadsheets and Databases</del> <i>(Prereq: BUSTEC 1202T)</i>	<del>2</del>
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2228T	Manure Management	3
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
ENGTECH 2092T	Problem Solving : Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2



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

**Proposed**

<b>Course</b>	<b>Title</b>	<b>Credits</b>
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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	2
ANMLTEC 3200T	Livestock Evaluation and Selection	1
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
GENSTDS 1201.01T	Orientation	.5
TECHNICAL ELECTIVE	From approved list	2
	<b>Total</b>	<b>16</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
	<b>Total</b>	<b>16</b>
<b><u>Summer Term</u></b>		
GENSTDS 3191T	Conducting Your Internship in CFAES	0
	<b>Total</b>	<b>0</b>
<b><u>2nd Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
*ANMLTEC 3191.02T	Beef Industry Internship	3
	<b>Total</b>	<b>17</b>
<b><u>2nd Year – Spring Semester</u></b>		
*ANMLTEC 2582.02T	Food Animal Resource Management II – Beef	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
	<b>Total</b>	<b>15</b>
	<b>Total Credits</b>	<b>64</b>

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



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

<b>Applied General Education Elective Options – 3 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	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 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

<b>Technical Elective Options – 6 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
ANMLTEC 3404T	Small Ruminant Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2228T	Manure Management	3

**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	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
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:  General Education categories Applied Sciences Business		ANMLTEC 3140T ANMLTEC 3150T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	4 3 4 3 3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T ANMLTEC 1201.02T	0.5 0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
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 3170T ANMLTEC 3200T ANMLTEC 3404T CRPSOIL 2228T Technical Electives (from approved list)	3 3 3 2 4 3 5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>



**ASSOCIATE OF APPLIED SCIENCE DEGREE**  
**ANIMAL 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	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T or 1145T	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	GENBIO 1200T	4
		BIOLOGY 1101	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:		ANMLTEC 3150T	3
General Education categories		ANMLTEC 3140T	4
Applied Sciences		ANMLTEC 3800T	4
Business		AEDECON 2105	3
		Choose 3 credits from the following:	
		ANMLTEC 3150T	3
		ANMLTEC 3157T	
		ANMLTEC 2201T	
		Choose 3 credits from the following:	3
		AGRCOMM 2367	
		BUSTEC 2241T	
		COMPSTD 2301	
		CRPSOIL 2300T AND 2301T	
		CRPSOIL 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000.01	
		RELSTDS 2370	
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T	0.5
		ANMLTEC 1201.02T	0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
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
		GENSTDS 3191T	0
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3404T	4
		CRPSOIL 2228T	3
		CRPSOIL 2412T	3
		Technical Electives (from approved list)	5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>

\* Classes may not double count in both the Applied General Elective and Technical Elective category



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

**Proposed**

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	3	ENGLISH 1110.01	3
MATHEMATICS/STATISTICS AND LOGIC	3	GENMATH 1141T	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	BIOLOGY 1101	4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:		ANMLTEC 3140T	4
General Education categories		ANMLTEC 3800T	4
Applied Sciences		AEDECON 2105	3
Business		Choose 3 credits from the following:	3
		ANMLTEC 3150T	
		ANMLTEC 3157T	
		ANMLTEC 2201T	
		Choose 3 credits from the following:	3
		BUSTEC 2241T	
		COMPSTD 2301	
		CRPSOIL 2300T	
		CRPSOIL 2301T	
		ENR 2300	
		GENCHEM 1100T	
		GENSSC 1181T	
		MICRBIO 4000.01	
		RELSTDS 2370	
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T	0.5
		ANMLTEC 1201.02T	0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
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
		GENSTDS 3191T	0
Other courses determined by program		ANMLTEC 2202T	3
		ANMLTEC 3132T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3404T	4
		CRPSOIL 2412T	3
		Technical Electives (from approved list)	5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>

\* Classes may not double count in both the Applied General Elective and Technical Elective category



<u>Course</u>	<u>Title</u>	<u>Credits</u>
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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
ANMLTEC 3200T	Livestock Evaluation and Selection	2
GENBIOL 1200T	General Biology Business Mathematics	4
GENMATH 1141T or GENMATH 1145T	or Technical Mathematics	3
GENSTDS 1201.01T	College Orientation	<u>.5</u>
		<b>14</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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>
		<b>16</b>
<b><u>Summer Term</u></b>		
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	<u>3</u>
		<b>3</b>
<b><u>2<sup>nd</sup> Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2228T	Manure Management	3
TECHNICAL ELECTIVE	From approved list	<u>2</u>
		<b>16</b>
<b><u>2<sup>nd</sup> Year – Spring Semester</u></b>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	<u>4</u>
		<b>15</b>
<b>Total Credits</b>		<b>64</b>

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



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

**Current**

**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
<b>and 2301T</b>	<b>and Introduction to Soil Science Lab</b>	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 4000.01	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 2244T	Human Resource Management and Leadership	3
BUSTEC 2249T	Fundamentals of Business Finance	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
ENGTECH 2092T	Problem Solving: Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2

Animal Production and Management  
Small Ruminant Specialization  
Associate of Applied ScienceProposed with highlighted  
changes

Course	Title	Credits
<b>1<sup>st</sup> Year – Autumn Semester</b>		
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	2
ANMLTEC 3200T	Livestock Evaluation and Selection	1
GENBIOL 1200T	General Biology	2
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
or GENMATH 1145T	or Technical Mathematics College	3
GENSTDS 1201.01T	Orientation	.5
TECHNICAL ELECTIVE	From approved list	2
	<b>Total</b>	<b>16</b>
<b>1<sup>st</sup> Year – Spring Semester</b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
	<b>Total</b>	<b>16</b>
<b>Summer Term</b>		
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	3
GENSTDS 3191T	Conducting Your Internship in CFAES	0
	<b>Total</b>	<b>0</b>
<b>2<sup>nd</sup> Year – Autumn Semester</b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
+ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
CRPSOIL 2228T	Manure Management	3
TECHNICAL ELECTIVE	From approved list	2
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	3
	<b>Total</b>	<b>17</b>
<b>2<sup>nd</sup> Year – Spring Semester</b>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
	<b>Total</b>	<b>15</b>
	<b>Total Credits</b>	<b>64</b>

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



Animal Production and Management  
Small Ruminant Specialization  
Associate of Applied Science

Proposed with highlighted  
changes

Applied General Education Elective Options – 3 credits required:		
Course	Title	Credits
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
CRPSOIL 2300T	Intro to Soil Science	3
CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

Technical Elective Options – 6 credits required:		
Course	Title	Credits
ANMLTEC 3402	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 2247T	Business Law	3
BUSTEC 2249	Fundamentals of Business Finance	3
CRPSOIL 2228T	Manure Management	3
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
ENGTEC 2092T	Problem Solving: Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2





Animal Production and Management  
Small Ruminant Specialization  
Associate of Applied Science

**Proposed**

Course	Title	Credits
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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	2
ANMLTEC 3200T	Livestock Evaluation and Selection	1
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
GENSTDS 1201.01T	Orientation	.5
TECHNICAL ELECTIVE	From approved list	2
	<b>Total</b>	<b>16</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
	<b>Total</b>	<b>16</b>
<b><u>Summer Term</u></b>		
GENSTDS 3191T	Conducting Your Internship in CFAES	0
	<b>Total</b>	<b>0</b>
<b><u>2<sup>nd</sup> Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
+ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
*ANMLTEC 3191.04T	Small Ruminant Industry Internship	3
	<b>Total</b>	<b>17</b>
<b><u>2<sup>nd</sup> Year – Spring Semester</u></b>		
*ANMLTEC 2582.04T	Food Animal Resource Management II – Small Ruminants	1
ANMLTEC 3132T	Ruminant Feeds and Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3404T	Small Ruminant Production and Management	4
ANMLTEC 3800T	Principles of Farm Business Management	4
	<b>Total</b>	<b>15</b>
	<b>Total Credits</b>	<b>64</b>

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



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

**Proposed**

<b>Applied General Education Elective Options – 3 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
CRPSOIL 2300T	Intro to Soil Science	3
CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

<b>Technical Elective Options – 6 credits required:</b>		
<b>Course</b>	<b>Title</b>	<b>Credits</b>
ANMLTEC 3402	Beef Production and Management	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3
BUSTEC 2249	Fundamentals of Business Finance	3
CRPSOIL 2228T	Manure Management	3



**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	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
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
Applied General Education		Applied General Education	
Courses determined by program from the following:  General Education categories Applied Sciences Business		ANMLTEC 3140T	4
		ANMLTEC 3150T	3
		ANMLTEC 3800T	4
		AEDECON 2105	3
		Choose 3 credits from the following: AGRCOMM 2367 BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T AND 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T	0.5
		ANMLTEC 1201.02T	0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
Technical Studies		Technical Studies	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr. internship]		ANMLTEC 2510.03T (2 semesters 1 credit each)	2
		ANMLTEC 2582.03T (2 semesters 1 credit each)	2
		ANMLTEC 3191.03T	3
		GENSTDS 3191T	0
Other courses determined by program		ANMLTEC 2603T	3
		ANMLTEC 3133T	3
		ANMLTEC 3170T	3
		ANMLTEC 3200T	2
		ANMLTEC 3403T	4
		CRPSOIL 2228T	3
		Technical Electives (from approved list)	5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>

ASSOCIATE OF APPLIED SCIENCE DEGREE  
ANIMAL 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	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	<del>GENBIO 1200T</del> BIOLOGY 1101	4 4
From any of the General Education categories (listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:  General Education categories Applied Sciences Business		<del>ANMLTEC 3150T</del> ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: ANMLTEC 3150T ANMLTEC 3157T ANMLTEC 2201T Choose 3 credits from the following: <del>AGRCOMM 2367</del> BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T AND 2301T CRPSOIL 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	3 4 4 3 3  3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T ANMLTEC 1201.02T	0.5 0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
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 GENSTDS 3191T	2 2 3 0
Other courses determined by program		ANMLTEC 2603T ANMLTEC 3133T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3403T CRPSOIL 2228T Technical Electives (from approved list)	3 3 3 2 4 3 5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>



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

Proposed

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	3
SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES	3	AEDECON 2001	3
NATURAL SCIENCES	3	BIOLOGY 1101	4
From any of the General Education categories ( listed above)	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:  General Education categories Applied Sciences Business		ANMLTEC 3140T ANMLTEC 3800T AEDECON 2105 Choose 3 credits from the following: ANMLTEC 3150T ANMLTEC 3157T ANMLTEC 2201T Choose 3 credits from the following: BUSTEC 2241T COMPSTD 2301 CRPSOIL 2300T CRPSOIL 2301T ENR 2300 GENCHEM 1100T GENSSC 1181T MICRBIO 4000.01 RELSTDS 2370	4 4 3 3    3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201.01T ANMLTEC 1201.02T	0.5 0.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>34</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
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 GENSTDS 3191T	2 2 3 0
Other courses determined by program		ANMLTEC 2603T ANMLTEC 3133T ANMLTEC 3170T ANMLTEC 3200T ANMLTEC 3403T CRPSOIL 2228T Technical Electives (from approved list)	3 3 3 2 4 3 5
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>30</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>64</b>

**Livestock Production and Management  
Swine Specialization  
Associate of Applied Science****CURRENT**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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
ANMLTEC 3200T	Livestock Evaluation and Selection	2
GENBIOL 1200T	General Biology	4
GENMATH 1141T	Business Mathematics	
or GENMATH 1145T	or Technical Mathematics	3
GENSTDS 1201.01T	College Orientation	<u>.5</u>
		<b>14</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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>
		<b>16</b>
<b><u>Summer Term</u></b>		
*ANMLTEC 3191.03T	Swine Industry Internship	<u>3</u>
		<b>3</b>
<b><u>2<sup>nd</sup> Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2228T	Manure Management	3
TECHNICAL ELECTIVE	From approved list	<u>2</u>
		<b>16</b>
<b><u>2<sup>nd</sup> Year – Spring Semester</u></b>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Practical Swine Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
ANMLTEC 3800T	Principles of Farm Business Management	<u>4</u>
		<b>16</b>
<b>Total Credits</b>		<b>64</b>

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



**Livestock Production and Management  
Swine Specialization  
Associate of Applied Science**

**CURRENT**

**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
<b>and</b> 2301T	<b>and</b> 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 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Introduction to Comparative Religion	3

**Technical Elective options – minimum 5 credits required:**

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



Proposed with highlighted changes

Course	Title	Credits
<b>1<sup>st</sup> Year – Autumn Semester</b>		
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
ANMLTEC 3200T	Livestock Evaluation and Selection	2
<del>GENBIOL 1200T</del>	<del>General Biology</del>	<del>4</del>
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
<del>or GENMATH 1145T</del>	<del>or Technical Mathematics</del>	<del>3</del>
GENSTDS 1201.01T	College Orientation	.5
TECHNICAL ELECTIVE	From approved list	2
	<b>Total</b>	<b>16</b>
<b>1<sup>st</sup> Year – Spring Semester</b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
	<b>Total</b>	<b>16</b>
<b>Summer Term</b>		
<del>*ANMLTEC 3191.03T</del>	<del>Swine Industry Internship</del>	<del>3</del>
GENSTDS 3191T	Conducting Your Internship in CFAES	0
	<b>Total</b>	<b>0</b>
<b>2<sup>nd</sup> Year – Autumn Semester</b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2228T	Manure Management	3
<del>TECHNICAL ELECTIVE</del>	<del>From approved list</del>	<del>2</del>
*ANMLTEC 3191.03T	Swine Industry Internship	3
	<b>Total</b>	<b>17</b>
<b>2<sup>nd</sup> Year – Spring Semester</b>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Practical Swine Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
ANMLTEC 3800T	Principles of Farm Business Management	4
	<b>Total</b>	<b>15</b>
	<b>Total Credits</b>	<b>64</b>

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





**Animal Production and Management  
Swine Specialization  
Associate of Applied Science**

**LVBSRSW-AA SWN  
Catalog Year 2026-2027**

**Proposed with highlighted changes**

**Applied General Education Elective Options – 3 credits required:**

<del>AGRCOMM 2367</del>	<del>Agricultural Issues in Contemporary Society</del>	<del>3</del>
BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
CRPSOIL 2300T	Intro to Soil Science	3
CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

**Technical Elective Options – 6 credits required:**

BUSTEC 1202T	Software Applications	1
<del>BUSTEC 2207T</del>	<del>Problem Solving with Spreadsheets and Databases</del>	<del>2</del>
BUSTEC 2244T	Human Resource Management and Leadership	3
<del>BUSTEC 2247T</del>	<del>Business Law</del>	<del>3</del>
BUSTEC 2249	Fundamentals of Business Finance	3
<del>CRPSOIL 2200T</del>	<del>Introduction to Sustainable Agriculture</del>	<del>2</del>
ENGTEC 2092T	Problem Solving: Career and Society Applications	2
MEATSCI 2010	Bar-B-Que Science	2
*GENSSC 1181T	Hispanic Culture and Language in the Workplace	3

\* If not used as an applied general education elective; cannot double count.



**Livestock Production and Management  
Swine Specialization  
Associate of Applied Science**

**Proposed**

Course	Title	Credits
<b><u>1<sup>st</sup> Year – Autumn Semester</u></b>		
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
ANMLTEC 3200T	Livestock Evaluation and Selection	2
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
GENSTDS 1201.01T	College Orientation	.5
TECHNICAL ELECTIVE	From approved list	2
	<b>Total</b>	<b>16</b>
<b><u>1<sup>st</sup> Year – Spring Semester</u></b>		
ENGLISH 1110.01	First Year English Composition	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	Elective from approved list	3
	<b>Total</b>	<b>16</b>
<b><u>Summer Term</u></b>		
GENSTDS 3191T	Conducting Your Internship in CFAES	0
	<b>Total</b>	<b>0</b>
<b><u>2nd Year – Autumn Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3140T	Animal Anatomy and Physiology	4
CRPSOIL 2228T	Manure Management	3
*ANMLTEC 3191.03T	Swine Industry Internship	3
	<b>Total</b>	<b>17</b>
<b><u>2nd Year – Spring Semester</u></b>		
*ANMLTEC 2582.03T	Food Animal Resource Management II – Swine	1
ANMLTEC 3133T	Practical Swine Feeding	3
ANMLTEC 3150T	Livestock Genetic Improvement	3
ANMLTEC 3403T	Swine Production and Management II	4
ANMLTEC 3800T	Principles of Farm Business Management	4
	<b>Total</b>	<b>15</b>
	<b>Total Credits</b>	<b>64</b>

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

**Livestock Production and Management  
Swine Specialization  
Associate of Applied Science****Proposed****Applied General Education Elective Options – 3 credits required:**

BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
CRPSOIL 2300T	Intro to Soil Science	3
CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

**Technical Elective Options – 6 credits required:**

BUSTEC 1202T	Software Applications	1
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3
BUSTEC 2249	Fundamentals of Business Finance	3
*GENSSC 1181T	Hispanic Culture and Language in the Workplace	3

\* If not used as an applied general education elective; cannot double count.



<u>Course</u>	<u>Title</u>	<u>Credits</u>
<b>1<sup>st</sup> Year – Autumn Semester</b>		
ANMLTEC 1201.07T	Exploring Dairy Careers and Industry	0.5
ANMLTEC 3167T	Dairy Cattle Milking and Reproductive Management	4
BIOLOGY 1101	Introductory Biology	4
GENMATH 1141T	Business Mathematics	3
GENSTDS 1201.01T	College Orientation	0.5
ANMLTEC 3407T	Dairy Cattle Facilities, Environment, and Equipment	<u>3</u>
		<b>15</b>
<b>1<sup>st</sup> Year – Spring Semester</b>		
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3177T	Dairy Cattle Health Management	4
AEDECON 2001	Principles of Food and Resource Economics	3
ENGLISH 1110.01	First-Year English Composition	3
CRPSOIL 2412T	Technology and Field Management of Forage Crops	<u>3</u>
		<b>17</b>
<b>Summer Term</b>		
GENSTDS 3191T	Conducting Your Internship in CFAES	<u>0</u>
		<b>0</b>
<b>2<sup>nd</sup> Year – Autumn Semester</b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2787T	Applied Dairy Herd Practices and Management	1
ANMLTEC 3207T	Dairy Cattle Evaluation and Herd Records	2
ELECTIVE	Applied Gen Ed (From approved elective lists)	3
ELECTIVE	Technical (From approved elective lists)	4
*ANMLTEC 3191.07T	Dairy Industry Internship	<u>2</u>
		<b>18</b>
<b>2<sup>nd</sup> Year – Spring Semester</b>		
*ANMLTEC 2787T	Applied Dairy Herd Practices and Management	1
ANMLTEC 3137T	Dairy Cattle Feeding Management Dairy	3
ANMLTEC 3157T	Cattle Genetic Improvement	3
ANMLTEC 3800T	Principles of Farm Business Management	4
ELECTIVE	Technical (From approved elective lists)	<u>3</u>
		<b>14</b>
	<b>Total Credits</b>	<b>64</b>
* A grade of C or better required to meet graduation requirements.		

**Applied General Education Elective Options – 3 credits required:**

BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
# CRPSOIL 2300T	Intro to Soil Science	3
# CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

**Technical Elective Options – 6 credits required:**

#BUSTEC 2244T	Human Resource Management and Leadership	3
#BUSTEC 2247T	Business Law	3
# CRPSOIL 2228T	Manure Management	3
#*CRPSOIL 2300T	Introduction to Soil Science	3
#*CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
CRPSOIL 2422T	Weed Control Technology	3
CRPSOIL 2580T	Soil Fertility and Fertilizers	3
ENGTECH 2015T	Agricultural Equipment Operation and Maintenance	3
ENGTECH 2016T	Tillage, Planting, Harvesting, & Storage Equipment	3
ENGTECH 2240T	Welding Technology	3
HORTTEC 2819T	Pesticides and Their Use	3
HCS 3100	Introduction to Agronomy	3

\* If not used as an applied general education elective; cannot double count.

# Priority Electives



<u>Course</u>	<u>Title</u>	<u>Credits</u>
<b><u>1<sup>st</sup> Year-Autumn Semester</u></b>		
ANMLTEC 1201.01T	Exploring Equine Careers and Industry	0.5
*ANMLTEC 2189.01T	*Horse Practicum (3 semesters at 1 credit each)	1
ANMLTEC 2201T	Introduction to Horse Science	3
ANMLTEC 2800T	Basic Horsemanship (2 credits)	
or ANMLTEC 2801T	Horsemanship and Equitation (3 credits)	2-3
ENGLISH 1110.01	First-Year English Composition	3
BIOLOGY 1101	Introductory Biology	4
GENSTDS 1201.01T	College Orientation	<u>0.5</u>
		<b>14-15</b>
<b><u>1<sup>st</sup> Year-Spring Semester</u></b>		
AGRCOMM 3130	Oral Expression in Agriculture	3
*ANMLTEC 2189.01T	*Horse Practicum (3 semesters at 1 credit each)	1
ANMLTEC 3151T	Horse Breeding and Selection	3
ANMLTEC 3201T	Horse Judging and Evaluation	2
AEDECON 2001	Principles of Food and Resource Economics	3
GENMATH 1141T	Business Mathematics	<u>3</u>
		<b>15</b>
<b><u>Summer Term</u></b>		
GENSTDS 3191T	Conducting Your Internship in CFAES	<u>0</u>
		<b>0</b>
<b><u>2<sup>nd</sup> Year-Autumn Semester</u></b>		
AEDECON 2105	Managerial Records and Analysis	3
*ANMLTEC 2189.01T	*Horse Practicum (3 semesters at 1 credit each)	1
ANMLTEC 3101.01T	Equine Marketing	1
ANMLTEC 3131T	Equine Feeding and Nutrition	3
ENGTECH 2015T	Agricultural Equipment Operation and Maintenance	2
APPLIED GE ELECTIVE	From approve list	3
TECHNICAL ELECTIVE	From approved list	2
*ANMLTEC 3191.01T	Equine Industry Internship Experience	<u>3</u>
		<b>18</b>
<b><u>2<sup>nd</sup> Year-Spring Semester</u></b>		
ANMLTEC 3101.02T	Equine Facility Management	3
ANMLTEC 3140T	Animal Anatomy and Physiology	4
ANMLTEC 3171T	Horse Health and Disease	3
ANMLTEC 3800T	Principles of Farm Business Management	4
TECHNICAL ELECTIVE	From approved list (2 to 3 total credits required)	<u>2-3</u>
		<b>16-17</b>

**TOTAL 64**

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

\*\*\* If ANMLTEC 2800T (2 cr) is taken, 3 technical elective credits are required. If ANMLTEC 2801T (3 cr) is taken, 2 technical elective credits are required.



**Applied General Education Elective Options – 3 credits required:**

BUSTEC 2241T	Small Business Management	3
COMPSTD 2301T	Intro to World Literature	3
CRPSOIL 2300T	Intro to Soil Science	3
CRPSOIL 2301T	Intro 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
MICROBIO 4000.01	Basic and Practical Microbiology	4
RELSTDS 2370	Intro to Comparative Religion	3

**Technical Elective Options – 4-5 credits required:**

*#ANMLTEC 2801T	Horsemanship and Equitation	3
#ANMLTEC 2800T	Basic Horsemanship	2
#ANMLTEC 3161T	Applied Equine Reproductive Management	2
#ANMLTEC 2200.02T	Introduction to Animal Sciences Laboratory	1
or		
#ANIMSCI 2000	Animal Handling	2
AGRCOMM 2130	Visual Media in Ag and Natural Resources	3
BUSTEC 1202T	Software Applications	1
BUSTEC 2241T	Small Business Management	3
COMLDR 2530	Introduction to ACEL	2
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
ENGTECH 2450T	Class A Commercial Driver's License (CDL) Entry Level Driver Training (ELDT)	3
ENGTECH 2611T	Small Engine Basics	3

# Priority Electives



PROGRAM ELIMINATION  
REQUEST FOR TEMPORARY WAIVER

Programs subject to elimination pursuant to [ORC Section 3345.454](#) must be inactivated **by August 15** following the completion of the academic year that triggered the program elimination. To inactivate a program, follow the process described in the [Program Approval FAQs & Clarifications](#) and by appropriate accreditation agencies.

State institutions of higher education shall submit this form, **by July 15** following the completion of the academic year that triggered the program elimination, to request a temporary waiver of the requirement to eliminate an undergraduate degree program. All requests, along with supporting documents, should be submitted to [SB1@highered.ohio.gov](mailto:SB1@highered.ohio.gov). Documents may be submitted as Microsoft Office documents (e.g., Word or Excel) or as PDF documents. **This requirement is limited to state institutions of higher education that have tenured faculty.**

Temporary Waiver

To be eligible for a temporary waiver, the institution must commit to eliminating the program(s) within the upcoming academic year. A temporary waiver may be requested for the following:

- Merging multiple programs into a single program.
- Completing the program elimination process for an individual program including obtaining needed approvals as specified by the institution's academic policies.

OVERVIEW

Name of Institution of Higher Education:

Date of Submission:

Primary Institutional Contact for This Request:

Name	
Title	
Phone number	
E-mail	

## INDIVIDUAL PROGRAM

Complete the following sections to request a temporary waiver for an individual program that the institution commits to inactivate upon receipt of final approval as specified by the institution's academic policies.

### SECTION 1: PROGRAM INFORMATION

**1.1** List the name of the program subject to elimination.

Name of Program	CIP Code	Total Hours
Dairy Cattle Production and Management	01.0306	64

### SECTION 2: RATIONALE

**2.1** Provide the rationale for the request.

The Dairy Cattle Production and Management Associate of Applied Science (AAS) program currently falls short of the graduate thresholds required for SB1 compliance. However, its retention is essential during a strategic transition to consolidate Ohio State ATI's animal-related AAS programs.

As of Autumn 2024, 73 students are enrolled across the Dairy, Horse, and Livestock Production and Management programs, which represents approximately 15% of Ohio State ATI's total enrollment. Removing the Dairy program prematurely would disrupt student pathways and negatively impact enrollment and curriculum offerings, including the Animal Sciences Associate of Science (AS) degree, which relies on dairy-related electives.

Ohio State ATI is actively re-envisioning its animal programs to improve sustainability and student outcomes. The proposed plan consolidates three AAS degrees into a single Animal Production and Management AAS degree with five species-specific specializations: Beef, Dairy, Horse, Small Ruminant, and Swine. This unified structure will streamline curriculum, reduce redundancy, and improve operational efficiency, while preserving the core value of hands-on, workforce-aligned education.

### SECTION 3: INACTIVATION TIMELINE

**3.1** Provide the proposed date (month/day/year) of the program inactivation. Note, new students can no longer be admitted upon program inactivation.

Deactivate end of SP26: Dairy Cattle Production and Management AAS – 04/01/2026

Updated program active end of SP26: Animal Production and Management AAS - 04/02/2026

**NOTE: Provide Sections 1 – 3 separately for each individual program request.**

### MERGE MULTIPLE PROGRAMS INTO ONE PROGRAM

Complete the following sections to request a temporary waiver to merge multiple programs into one program. The individual programs that will be merged into the program must be eliminated within the upcoming academic year. To inactivate a program, follow the process described in the [Program Approval FAQs & Clarifications](#) and by appropriate accreditation agencies.

## SECTION 1: PROGRAM INFORMATION

**1.1** List all programs that will be merged into the program (including those not subject to elimination):

Name of Program	CIP Code	Total Hours
Dairy Cattle Production and Management	01.0306	64
Horse Production and Management	01.0307	64
Livestock Production and Management	01.0302	64

Add additional rows, as needed.

### 1.2 Program Name

Name of the program that existing programs will be merged into.	CIP Code	Total Hours
Animal Production and Management	01.0302	64

### 1.3 Student Graduation Data

For each program, provide the number of graduates for the **past three academic years** in the table below. List all programs that will be merged into the program, including those that are not subject to elimination pursuant to [ORC Section 3345.454](#). Add additional tables, if necessary.

Dairy Cattle Production and Management	
Academic Year	Number of Graduates
2024 – 2025	8
2023 – 2024	7
2022 – 2023	2

Horse Production and Management	
Academic Year	Number of Graduates
2024 – 2025	5
2023 – 2024	3
2022 – 2023	4

Livestock Production & Management	
Academic Year	Number of Graduates
2024 – 2025	6
2023 – 2024	6
2022 – 2023	3

## SECTION 2: RATIONALE

### 2.1 Describe the process used to propose the merger.

The merger proposal emerged from a comprehensive internal review of enrollment trends, graduation rates, curriculum overlap, and workforce needs. Faculty and academic leadership collaborated to assess the viability of existing programs and identify opportunities for improvement.

This process included:

- Enrollment and graduation data analysis across all animal-related AAS programs
- Curriculum mapping to identify redundancies and shared competencies
- Consultation with faculty to design a unified core curriculum and specialization tracks
- Strategic planning to align with Ohio State ATI's mission and operational goals
- Consideration of faculty workload and resource optimization (anticipated reduction of 1.0 FTE)

The result is a thoughtfully designed consolidation plan that maintains academic rigor while improving efficiency and long-term sustainability.

### 2.2 Describe how the proposed merger serves the needs of students.

The proposed merger directly supports student success by:

- Preserving Access: Students retain the ability to pursue species-specific training, including dairy-related coursework, within a broader, more sustainable program.
- Enhancing Flexibility: The new structure allows students to choose from five specializations, enabling tailored career preparation.
- Improving Advising and Retention: A unified curriculum simplifies advising and supports clearer academic pathways.
- Strengthening Career Readiness: Students continue to receive hands-on training in animal health, nutrition, reproduction, and farm management - skills essential for employment in animal agriculture.

This student-centered approach ensures continuity of education while adapting to changing enrollment patterns and workforce demands.

## SECTION 3: WORKFORCE ALIGNMENT

### 3.1 As required by ORC 3333.04, describe the extent to which the [proposed] degree program aligns with the state's workforce development priorities.

The consolidated Animal Production and Management AAS degree aligns strongly with Ohio's workforce development priorities by:

- Preparing Students for In-Demand Careers: The program supports entry into animal production, farm management, and agricultural services, fields of projected growth of ~5% and thousands of new jobs expected by 2030.

- Supporting Regional Agricultural Economies: Graduates are equipped to contribute to Ohio's robust livestock and animal agriculture sectors.
- Delivering Technical Education: The program fulfills the land-grant mission by offering accessible, hands-on training that meets the needs of Ohio's rural and agricultural communities.
- Enhancing Program Viability: By increasing graduation rates and improving operational efficiency, the program is better positioned to meet state goals for educational sustainability and workforce alignment.

**NOTE: Provide Sections 1 - 3 separately for each request to merge programs.**

<b>SECTION 4: VERIFICATION AND SIGNATURE</b>
--

*(Insert name of the institution)* verifies that the information in the application is truthful and accurate.

*Signature of the President, or the President's designee*

*(Insert name and title of the President, or the President's designee)*



PROGRAM ELIMINATION  
REQUEST FOR TEMPORARY WAIVER

Programs subject to elimination pursuant to [ORC Section 3345.454](#) must be inactivated **by August 15** following the completion of the academic year that triggered the program elimination. To inactivate a program, follow the process described in the [Program Approval FAQs & Clarifications](#) and by appropriate accreditation agencies.

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Temporary Waiver

To be eligible for a temporary waiver, the institution must commit to eliminating the program(s) within the upcoming academic year. A temporary waiver may be requested for the following:

- Merging multiple programs into a single program.
- Completing the program elimination process for an individual program including obtaining needed approvals as specified by the institution's academic policies.

OVERVIEW

Name of Institution of Higher Education:

Date of Submission:

Primary Institutional Contact for This Request:

Name	
Title	
Phone number	
E-mail	

## INDIVIDUAL PROGRAM

Complete the following sections to request a temporary waiver for an individual program that the institution commits to inactivate upon receipt of final approval as specified by the institution's academic policies.

### SECTION 1: PROGRAM INFORMATION

**1.1** List the name of the program subject to elimination.

Name of Program	CIP Code	Total Hours
Horse Production and Management	01.0307	64

### SECTION 2: RATIONALE

**2.1** Provide the rationale for the request.

The Horse Production and Management Associate of Applied Science (AAS) program currently falls short of the graduate thresholds required for SB1 compliance. However, its retention is essential during a strategic transition to consolidate Ohio State ATI's animal-related AAS programs.

As of Autumn 2024, 73 students are enrolled across the Horse, Dairy, and Livestock Production and Management programs, which represents approximately 15% of Ohio State ATI's total enrollment. Removing the Horse program prematurely would disrupt student pathways and negatively impact enrollment and curriculum offerings, including the Animal Sciences Associate of Science (AS) degree, which relies on horse-related electives.

Ohio State ATI is actively re-envisioning its animal programs to improve sustainability and student outcomes. The proposed plan consolidates three AAS degrees into a single Animal Production and Management AAS degree with five species-specific specializations: Beef, Dairy, Horse, Small Ruminant, and Swine. This unified structure will streamline curriculum, reduce redundancy, and improve operational efficiency, while preserving the core value of hands-on, workforce-aligned education.

### SECTION 3: INACTIVATION TIMELINE

**3.1** Provide the proposed date (month/day/year) of the program inactivation. Note, new students can no longer be admitted upon program inactivation.

Deactivate end of SP26: Horse Production and Management AAS – 04/01/2026

Updated program active end of SP26: Animal Production and Management AAS - 04/02/2026

**NOTE: Provide Sections 1 – 3 separately for each individual program request.**



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### SECTION 1: PROGRAM INFORMATION

**1.1** List all programs that will be merged into the program (including those not subject to elimination):

Name of Program	CIP Code	Total Hours
Horse Production and Management	01.0307	64
Dairy Cattle Production and Management	01.0306	64
Livestock Production and Management	01.0302	64

#### 1.2 Program Name

Name of the program that existing programs will be merged into.	CIP Code	Total Hours
Animal Production and Management	01.0302	64

#### 1.3 Student Graduation Data

For each program, provide the number of graduates for the **past three academic years** in the table below. List all programs that will be merged into the program, including those that are not subject to elimination pursuant to [ORC Section 3345.454](#). Add additional tables, if necessary.

Horse Production and Management	
Academic Year	Number of Graduates
2024 – 2025	5
2023 – 2024	3
2022 – 2023	4

Dairy Cattle Production and Management	
Academic Year	Number of Graduates
2024 – 2025	8
2023 – 2024	7
2022 – 2023	2

Livestock Production & Management	
Academic Year	Number of Graduates
2024 – 2025	6
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## SECTION 2: RATIONALE

### 2.1 Describe the process used to propose the merger.

The merger proposal emerged from a comprehensive internal review of enrollment trends, graduation rates, curriculum overlap, and workforce needs. Faculty and academic leadership collaborated to assess the viability of existing programs and identify opportunities for improvement.

This process included:

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The result is a thoughtfully designed consolidation plan that maintains academic rigor while improving efficiency and long-term sustainability.

### 2.2 Describe how the proposed merger serves the needs of students.

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- Preparing Students for In-Demand Careers: The program supports entry into animal production, farm management, and agricultural services, fields of projected growth of ~5% and thousands of new jobs expected by 2030.

- Supporting Regional Agricultural Economies: Graduates are equipped to contribute to Ohio's robust livestock and animal agriculture sectors. Ohio is ranked 4<sup>th</sup> in the nation for horse population.
- Delivering Technical Education: The program fulfills the land-grant mission by offering accessible, hands-on training that meets the needs of Ohio's rural and agricultural communities.
- Enhancing Program Viability: By increasing graduation rates and improving operational efficiency, the program is better positioned to meet state goals for educational sustainability and workforce alignment.

**NOTE: Provide Sections 1 - 3 separately for each request to merge programs.**

<b>SECTION 4: VERIFICATION AND SIGNATURE</b>
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*(Insert name of the institution)* verifies that the information in the application is truthful and accurate.

*Signature of the President, or the President's designee*

*(Insert name and title of the President, or the President's designee)*