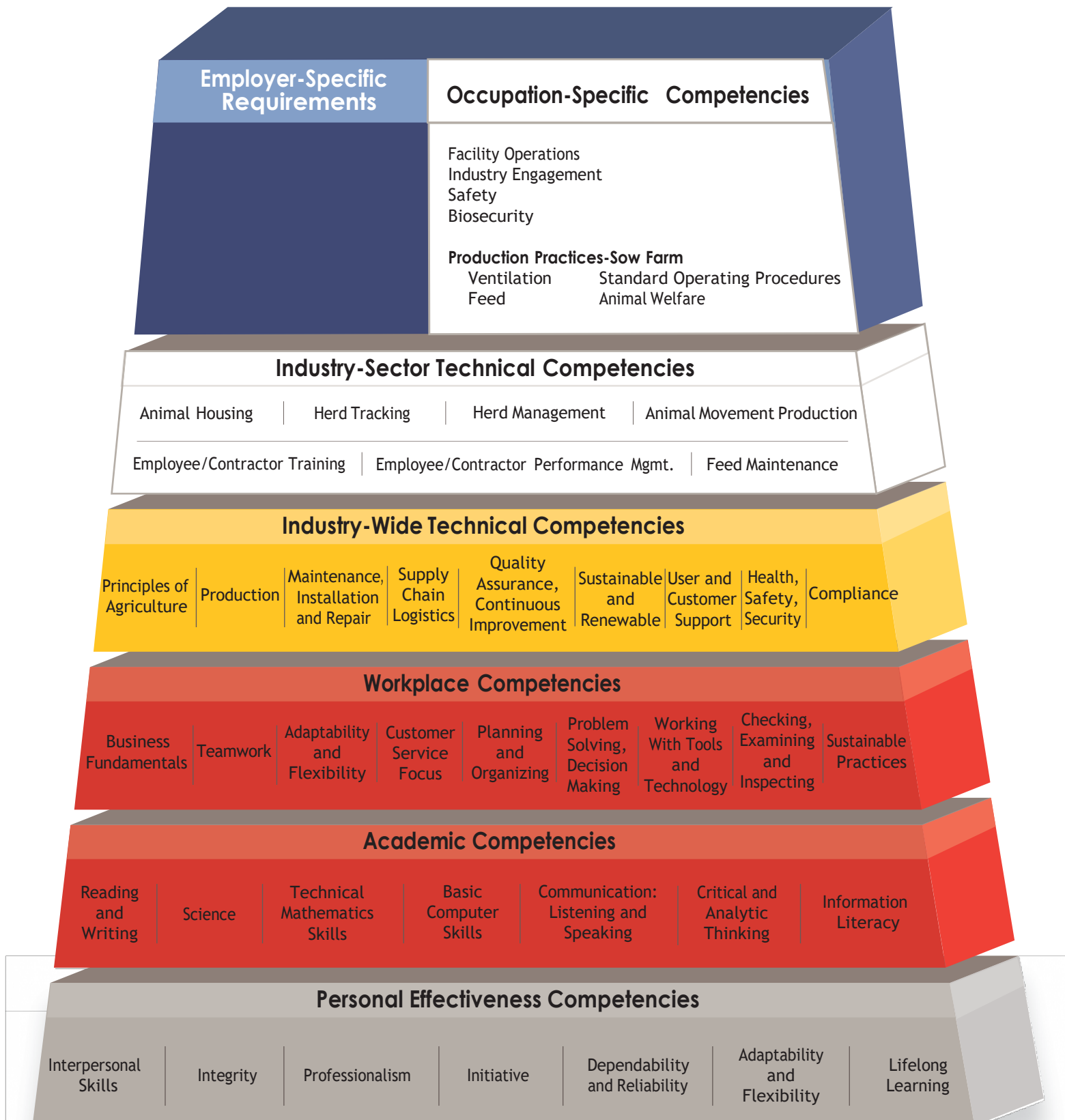


Minnesota Dual-Training Pipeline

Competency Model for Agricultural Occupation: Swine Technician (Sow Farm)



Based on: Competency Model Employment and Training Administration, United States Department of Labor.
 * Pipeline recommends the Industry-Sector Technical Competencies as formal training opportunities (provided through related instruction) and the Occupation-Specific Competencies as on-the-job training opportunities.



DUAL-TRAINING PIPELINE

Occupational Competency Summary

Swine Technician (Sow Farm) – A Swine Technician is one who assists in providing all daily aspects of animal care, specializing in sow farm operation for healthy swine production.

Industry-Sector Technical Competencies

- Animal Housing – Understanding of proper procedures and requirements for healthy animal housing best practices, especially for sows and their piglets.
- Employee/Contractor Training – Understand the theory and practices involved with employee management principles and training techniques for employees/ contractors involved in swine production.
- Herd Tracking – Knowledge of skills and tools used for tracking individual animals and animals as a herd.
- Herd Management – Understanding the science and business of producing domestic livestock species.
- Animal Movement Production – Knowledge of principles regarding safe and healthy movement of a herd.
- Employee/Contractor Performance Management – Knowledge of important management factors to monitor when working with an extensive group of employees/contractors.
- Feed Maintenance – Attention to quality control of feed and minimizing health risks for the herd.

Occupation-Specific Competencies

- Facility Operations – Management of all systems and controls of the facility including ventilation, feeding, and watering.
- Industry Engagement – Introduction to opportunities to engage with other businesses within the agricultural industry.
- Safety – Know how to use proper industry standards to maintain a safe work environment to ensure personal well-being and safety of co-workers.
- Biosecurity – Knowledge of procedures intended to protect livestock animals against disease or harmful biological agents.
- **Production Practices – Sow Farm**
 - Ventilation – Understanding of importance of and the ability to manage systems to maintain proper ventilation of facility.
 - Feed – Understanding of livestock feeding procedures and essential nutrition.

- Animal Welfare – Know how to properly handle livestock with attention to their safe handling and overall welfare.
- Standard Operating Procedures – Knowledge of operating procedures for the facility and herd management.

Swine Technician (Sow Farm) Occupational Competency Training Plan

Related Instruction means an organized and systematic form of instruction designed to provide the apprentice with the knowledge of the theoretical and technical subjects related to the apprentice's trade of occupation, or industrial courses or, when of equivalent value, by correspondence, electronic media, or other forms or self-study approved by the commissioner.

	Course	Course Description	Credit/Non-Credit	Hours Spent on Competency
Animal Housing				
Herd Tracking				
Herd Management				
Animal Movement Production				
Employee/Contractor Training				
Employee/Contractor Performance Management				
Feed Maintenance				

On-The-Job Training is the work experience and instruction. Training experience need not be in the exact order as listed below.

	Trainer/Instructor	Name of person responsible for verifying competency mastery	Hours spent on competency
Facility Operations			
Industry Engagement			
Safety			
Biosecurity			
Production Practices			
Ventilation			

Animal Welfare			
Feed			
Standard Operating Procedures			