
DAIRY PRODUCTION TECHNICIAN

COURSE: ANIMAL HUSBANDRY AND HEALTH 33

Corequisite: CTR1210: Personal Safety (Management)
Note: Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Dairy Production Technician specialization.

Description: Students demonstrate the ability to handle cattle, perform castration by elastrator, maintain cattle health, water cattle, perform safety practices, and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Dairy Production Technician specialization is designed to be delivered off campus. The annual inspection and approval of the work station, and the monitoring, supervision and assessment of each student's progress and performance must be done in accordance with the procedures specified in the Off-Campus Education policy.

Prescribed

General Outcomes: *The student will:*

- demonstrate the ability to:
 - care for newborn and weaner cattle
 - maintain calf rearing facilities
 - dehorn calves
 - tag and tattoo cattle
- demonstrate the ability to perform castration by elastrator
- demonstrate the ability to maintain cattle health, by:
 - identifying dairy cattle disorders and diseases
 - identifying cattle abnormalities
 - treating cattle disorders and diseases
 - handling cattle medications
 - monitoring the calving process
- water cattle

- demonstrate safe practices, by:
 - identifying locations of and operating fire extinguishers
 - performing emergency first aid
- demonstrate effective and appropriate employability skills.

COURSE: DAIRY OPERATIONS 33

Corequisite: CTR1210: Personal Safety (Management)

Note: Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Dairy Production Technician specialization.

Description: Students demonstrate the ability to handle livestock of all ages, operate milk-handling equipment, milk cows, operate milk sampling and recording equipment, read and interpret milk quality reports, maintain sanitation, demonstrate safe work skills and a positive attitude toward safety, and demonstrate effective and appropriate employability skills in a variety of workplace situations.

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Prescribed

General Outcomes: *The student will:*

- demonstrate the ability to:
 - handle livestock of all ages
 - operate milk-handling equipment
 - milk cows
 - operate milk sampling and recording equipment
 - read and interpret milk quality reports
- demonstrate the ability to:
 - maintain sanitation
 - clean and sanitize milk-handling equipment
- maintain cattle health and breeding, by:
 - applying udder and teat treatment medications
 - recognizing symptoms of mastitis and administering basic treatment
 - recognizing and treating bloat
 - recognizing milk fever symptoms and following treatment protocol
 - detecting heat/estrus

- demonstrate a positive attitude toward safety and safe work skills and habits, including:
 - safe personal work habits
 - care of farm equipment safety devices
- demonstrate effective and appropriate employability skills.

COURSE: **DAIRY EQUIPMENT OPERATION AND SERVICE 33**

Corequisite: CTR1210: Personal Safety (Management)

Note: Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Dairy Production Technician specialization.

Description: Students operate manure spreaders; maintain cattle health and breeding; feed the dairy herd; operate farm equipment; maintain fences and corrals, using fence amending tools; select and use basic hand and shop tools correctly; and demonstrate effective and appropriate employability skills.

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Prescribed

General Outcomes: *The student will:*

- maintain sanitation when operating manure spreaders in fields and on roads
- maintain cattle health and breeding, by:
 - inspecting and monitoring physical facilities for proper environmental conditions
- feed the dairy herd, by:
 - operating the feeding system and carrying out feeding routine
- operate farm equipment, by:
 - operating and performing basic service on augers and conveyors
 - operating farm tractors in fields and on roads
 - demonstrating knowledge of road travel regulations
 - operating tractors with front-end loaders
 - operating and performing basic service on standby generators
 - operating portable feed milling and mixing equipment
 - maintaining fences and corrals, using fence amending tools
 - selecting and using basic hand and shop tools correctly
- demonstrate effective and appropriate employability skills.

