
COW–CALF BEEF PRODUCTION TECHNICIAN

COURSE: CATTLE CARE AND PRODUCTION 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 Cow–Calf Beef Production Technician specialization.

Description: Students are introduced to the anatomy and physiology of cattle; study animal behaviour; handle and move cattle; recognize and treat specified cattle diseases and disorders; safely operate and maintain farm vehicles in yards, on fields and on public roads; demonstrate a positive attitude toward safety; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Cow–Calf Beef 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 handle cattle, by:
 - identifying and interpreting cattle behaviour
 - moving cattle
- demonstrate the ability to:
 - maintain cattle health
 - describe the basic anatomy and physiology of cattle
 - explain the process of rumination
 - describe cattle’s mammary and reproductive systems
 - identify cattle diseases and disorders
 - identify medications used to treat cattle and the methods used to administer them
- service, safely and appropriately, general farm equipment, including:
 - trucks and tractors
 - trailers and towing equipment

- operate trucks and tractors under specified conditions:
 - in yards
 - on fields
 - on farm and public roads
- demonstrate a positive attitude toward safety and safe work skills and habits, including:
 - hazard identification and accident prevention
 - fire safety
 - farm first aid
- demonstrate effective and appropriate employability skills.

COURSE: CALVING AND HERD 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 Cow–Calf Beef Production Technician specialization.

Description: Students demonstrate their ability to maintain cattle health; operate a feeding program, including monitoring a feeding plan; operate trucks and tractors under specified conditions; and demonstrate effective and appropriate employability skills.

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Prescribed

General Outcomes: *The student will:*

- demonstrate the ability to maintain cattle health, by:
 - identifying sick or problem cattle
 - monitoring calving and recognizing problems during the process
 - performing post-calving routine
- operate a feeding program, and monitor a feeding plan
- operate trucks and tractors under specified conditions, by:
 - operating tractors and front-end loaders
 - understanding farm truck travel regulations
- demonstrate effective and appropriate employability skills.

COURSE: BEEF SUPPORT SYSTEMS 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 Cow–Calf Beef Production Technician specialization.

Description: Students demonstrate the ability to ship, move and receive cattle; perform basic first aid on cattle; perform basic pest control operations; safely operate and maintain hand tools and power tools; perform basic services on trucks and tractors; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Cow–Calf Beef 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 handle cattle, by:
 - shipping, moving and receiving cattle
 - hauling cattle using farm trucks
- demonstrate the ability to maintain cattle health, by:
 - performing basic first aid to animals
 - performing basic culling and breeding feedback activities
 - applying internal and external pest control materials
- operate, safely, care for and maintain general farm equipment, including:
 - augers and conveyors
 - hand and power tools
 - jacks, stands and hoists
 - air compressors and accessories
 - chain saws
 - post pounders and post hole augers
- operate trucks and tractors under specified conditions, and select and use battery and tire maintenance tools
- demonstrate effective and appropriate employability skills.

