
BEE KEEPER PRODUCTION TECHNICIAN

COURSE: BEE OPERATION PREPARATION AND PLANNING 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 Bee Keeper Production Technician specialization.

Description: Students are introduced to the basic biology and behaviour of bees; study pollination requirements; receive and install package bees; maintain hive equipment, schedule production season activities and comply with government regulations; manage wildlife, vandals and minimize pesticide damage; safely operate and maintain farm trucks, trailers and accessories; demonstrate a positive attitude toward safety; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Bee Keeper 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 bees, by:
 - identifying and interpreting bee behaviour
 - receiving and installing bees
- demonstrate the ability to:
 - maintain hive equipment
 - schedule production season activities
 - describe the basic biology of bees
 - explain pollination requirements
 - describe government regulations
 - manage wildlife and vandals
 - minimize pesticide damage
- 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 safety incident prevention
 - fire safety
 - farm first aid
- demonstrate effective and appropriate employability skills.

COURSE: BEE OPERATION PRODUCTION AND PRACTICES 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 Bee Keeper Production Technician specialization.

Description: Students demonstrate their ability to perform routine field work with colonies, queens and cells; feed bees sugar and protein; control parasitic mites, prevent blood diseases and nosema disease; operate and maintain forklifts, boom trucks and power tail gates under specified conditions; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Bee Keeper 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 perform routine field work, by:
 - working with bee colonies
 - working with queens and cells
 - feeding bees sugar and protein
- demonstrate the ability to maintain bee health, by:
 - preventing blood diseases
 - preventing nosema disease
 - controlling parasitic mites
- operate trucks and tractors under specified conditions, by:
 - operating and maintaining forklifts
 - operating and maintaining boom trucks
 - operating and maintaining power tail gates
 - understanding farm truck travel regulations
- demonstrate a positive attitude toward safety and safe work skills and habits, including:
 - hazard identification and safety incident prevention

- fire safety
- farm first aid
- demonstrate effective and appropriate employability skills.

COURSE: BEE OPERATION 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 Bee Keeper Production Technician specialization.

Description: Students demonstrate the ability to plan the winter and spring season; prepare for winter and complete related activities; use integrated pest management strategies; describe the functions and design of buildings; describe bee specialty enterprises; safely operate and maintain hand tools and power tools; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Bee Keeper 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 maintain beekeeping operations, by:
 - preparing for winter and completing related activities
 - planning the winter and spring season operations
 - using integrated pest management strategies
 - extracting honey and handling wax
 - describing bee specialty enterprises
 - describing functions and design of buildings
- operate, safely, care for and maintain small tools and accessories, including:
 - hand and power tools
 - bench and portable grinders
 - tanks, pumps, taps and fillers
 - scales, drum carts, hive tools, scratchers and embedders
 - smokers, blowers, fume boards, pressure washers, weed whackers, etc.
- operate trucks and tractors under specified conditions, and select and use battery and tire maintenance tools
- demonstrate a positive attitude toward safety and safe work skills and habits, including:
 - hazard identification and safety incident prevention
 - handle hazardous farm materials safely
 - fire safety
 - farm first aid
- demonstrate effective and appropriate employability skills.