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# FIELD CROP PRODUCTION TECHNICIAN

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**COURSE:** FIELD CROP CARE 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 Field Crop Production Technician specialization.

**Description:** Students demonstrate planting abilities; use basic servicing equipment and tools; operate, service and maintain an auger; identify signs of weeds, pests, diseases and disorders in grain fields; operate crop sprayers; have a working knowledge of a farm's marketing program; demonstrate crop care, by operating a swather and determining moisture levels; demonstrate a positive attitude toward safety; and demonstrate effective and appropriate employability skills.

**Parameters:** Each of the three courses that constitute the Field Crop 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 planting abilities, including:
  - using basic hand, shop and equipment servicing tools
  - operating, servicing and maintaining a grain auger
- demonstrate crop care, including:
  - identifying weed infestations
  - minimizing the introduction and spread of weeds
  - identifying signs of pest damage in grain crop fields
  - identifying signs of diseases and disorders in grain crop fields
  - operating and servicing a swather
  - determining grain crop moisture levels
- demonstrate a working knowledge of the farm's marketing plan/program

- demonstrate an understanding of crop sprayers, including:
  - servicing and maintaining sprayers
  - operating sprayers
- operate hay-cutting equipment
- demonstrate a positive attitude toward safety, including:
  - farm equipment safety
  - safe work habits
- demonstrate effective and appropriate employability skills.

**COURSE:** **LAND PREPARATION AND PLANTING 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 Field Crop Production Technician specialization.

**Description:** Students demonstrate the ability to perform planting activities, by understanding a farm's cropping program, following regulations and operating farm equipment, including cultivators, fertilizer applicators, trucks, tractors and towed implements; use basic servicing tools; demonstrate safety practices, including performing emergency first aid; and demonstrate effective and appropriate employability skills.

**Parameters:** Each of the three courses that constitute the Field Crop 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 planting activities, by:
  - understanding the farm's cropping program
  - demonstrating knowledge of farm vehicle operation regulations
  - operating farm vehicles
  - maintaining tractors
  - operating loading equipment
  - operating one-tonne trucks
  - towing trailers, wagons and other farm vehicles
  - operating cultivation implements
  - servicing seeding machines
  - operating seeding equipment, as appropriate
  - handling anhydrous products
  - operating fertilizer applicators
  - storing seeding equipment
  - identifying farm site seed treatments

- demonstrate safety practices, including:
  - performing emergency first aid
  - demonstrating knowledge of components of fire
- demonstrate effective and appropriate employability skills.

**COURSE: HARVESTING 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 Field Crop Production Technician specialization.

**Description:** Students demonstrate the ability to harvest grain and forage crops, operate a combine, store a grain harvest, prepare crop storage facilities, and demonstrate effective and appropriate employability skills.

**Parameters:** Each of the three courses that constitute the Field Crop 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:*

- harvest grain crops, by:
  - demonstrating practical knowledge of combine operations
  - operating a combine
  - performing daily servicing on combines
  - preparing grain harvesting equipment for storage
  - preparing crop storage facilities for harvest
  - operating a grain dryer, as available
- harvest forage crops, by:
  - operating a forage harvester, as available
  - operating a square baler, as available
  - operating a round baler, as available
  - operating a hay rake, as available
  - operating bale collection equipment, as available
  - preparing forage crop harvesting equipment for storage
  - preparing forage crop storage facilities for harvest
  - packing bunker silage, as necessary
  - operating a silage dump wagon, as necessary
  - operating forage additive application equipment
- demonstrate effective and appropriate employability skills.

