



# Agriculture, Food and Natural Resources Occupational Pathways

Youth Apprenticeship

## AGRICULTURE MECHANIC TECHNICIAN

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Agriculture Mechanic Technician youth apprentices gain skills related to the maintenance and repair of agricultural equipment including use of tools, materials, engines, parts, diagnostic tools, welding, hydraulics, electronics, and documentation. Apprentices must adhere to industry safety and security standards.

**Length of Apprenticeship:** One or two years

**\*Bridging**

## ANIMAL FUNDAMENTALS

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Animal Fundamentals youth apprentices gain skills applicable to the fundamental care and management of animals including feeding, animal health, equipment operation and service, and facility maintenance.

**Length of Apprenticeship:** One year

**\*Bridging**

## ANIMAL/HERD

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Animal/Herd youth apprentices gain skills applicable to the care and management of large and herd animals including feeding, animal health, equipment operation and service, and facility maintenance. This pathway has a prerequisite of completion of Animal Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Animal Fundamentals)

**Bridges to Dairy Grazier Registered Apprenticeship**

## ARBORIST

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Arborists provide professional tree care. They use rigging to ascent trees. Youth Apprentices plant trees and shrubs, inspect trees and shrubs, and perform pruning cuts.

**Length of Apprenticeship:** One or two years

**Bridges to Arborist Registered Apprenticeship**

## **CROPS**

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Crops youth apprentices learn the skills needed to produce quality crops including planting crops, monitoring crop health, harvesting crops and performing post-harvest handling and recordkeeping. This pathway has a prerequisite of completion of Plant Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Plant Fundamentals)

**Bridges to Organic Vegetable Grower Farm Manager Registered Apprenticeship**

## **DAIRY GRAZIER**

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Dairy Grazer youth apprentices gain skills related to the use of managed pastures and sustainable farming practices, managing livestock herds, grazing and milking. Apprentices must adhere to industry safety and security standards. This pathway has a prerequisite of completion of Animal Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Animal Fundamentals)

**Bridges to Dairy Grazer Registered Apprenticeship**

## **ENVIRONMENTAL SYSTEMS: BASIC AND ADVANCED WATER RESOURCES**

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Environmental systems youth apprentices learn core skills needed by the water industry to promote protection, improvement and sustainability of water resources.

**Length of Apprenticeship:** One or two years

**\*Bridging**

## **FLORAL/GREENHOUSE**

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Floral/Greenhouse youth apprentices learn all aspects of floral/greenhouse from servicing customers, to maintaining plants, to filling orders. This pathway has a prerequisite of completion of Plant Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Plant Fundamentals)

**Bridges to Organic Vegetable Grower Farm Manager Registered Apprenticeship**

## **LANDSCAPING**

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Landscaping youth apprentices learn all aspects of landscaping from design to creating and maintaining the landscaped area. This pathway has a prerequisite of completion of Plant Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Plant Fundamentals)

**\*Bridging**

## **PLANT FUNDAMENTALS**

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Plant Fundamentals youth apprentices gain skills applicable to the fundamental care and management of plants including preparing planting spacing, maintaining plants and working with hand tools.

**Length of Apprenticeship:** One year

**\*Bridging**

## **SMALL ANIMAL/VETERINARIAN TECHNICIAN**

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Small Animal/Vet Tech youth apprentices gain skills applicable to the care and management of small animals and veterinary technician skills including supporting office and business duties, preparing animals for care, diagnostic tasks and monitoring small animals. This pathway has a prerequisite of completion of Animal Fundamentals.

**Length of Apprenticeship:** One year (prerequisite Animal Fundamentals)

### **\*Bridging**

\*Bridging indicates where a Registered Apprenticeship bridge does not exist, one may be developed.

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