



**RUSS EDWARDS
SCHOOL**
Agriculture & Environment

Eligible for
**FINANCIAL AID
& AWARDS**

HORTICULTURAL PRODUCTION

9-Month Certificate

Horticulture is expanding quickly, providing rewarding careers in rural and urban Canada. Study food production in a modern greenhouse and focus on fruits, vegetables, greenhouse production, and nurseries.

PROGRAM LEARNING OUTCOMES

- ▶ Identify a wide-range of plants and understand their basic characteristics and growth requirements.
- ▶ Apply basic horticultural practices, including planting, pruning and fertilizing, to maintain healthy plants in a variety of settings.
- ▶ Identify and manage common pests and diseases that affect plants by utilizing integrated pest management strategies.
- ▶ Propagate plants using a variety of techniques, including seed propagation, vegetative propagation and tissue culture.
- ▶ Apply sustainable and environmentally friendly practices to horticultural activities, such as composting, water conservation and soil conservation.
- ▶ Understand and apply the principles of plant nutrition and soil science to promote healthy plant growth and development.
- ▶ Operate and maintain basic horticultural equipment and tools.
- ▶ Manage and operate a greenhouse facility, including understanding the principles of greenhouse design, climate control and irrigation systems.
- ▶ Cultivate and manage a variety of crops in a greenhouse environment, including understanding plant physiology, growth requirements, and pest and disease management strategies specific to greenhouse crops.
- ▶ Understand and comply with relevant safety regulations and guidelines, including those related to chemical handling, equipment operation and personal protective equipment.
- ▶ Effectively communicate horticultural information and recommendations to clients, colleagues and the public, using both written and oral communication skills.



Campus/Delivery Options
North Hill campus



Available Intakes
September | January



Industry Work Experience
3 weeks