



**RUSS EDWARDS  
SCHOOL**  
Agriculture & Environment



# HORTICULTURAL PRODUCTION

9-MONTH  
CERTIFICATE

Learn the totality of food production while studying in a state-of-the-art greenhouse at Vermillion Growers—Manitoba’s first large scale vegetable greenhouse—located in Dauphin. Focus your interests on three key sectors: fruits and 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, using 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**  
Parkland campus



**Available Intakes**  
September



**Work Integrated Learning**  
12 weeks

## This program is a good fit if you would enjoy...

- ✓ A career in or supporting the agricultural and food production industry
- ✓ A business-focused program, including sales, budgets, operations, and planning
- ✓ Collecting, organizing, and analyzing data to solve problems
- ✓ Interpreting and applying various acts, regulations, policies, and procedures
- ✓ Learning new technologies and software applications

### CAREER OPPORTUNITIES

Greenhouses and nurseries • horticultural organization • research production • weed sciences • composting

### ADMISSION REQUIREMENTS

- » A complete Manitoba Grade 12 or equivalent
- » English 40G/40S or equivalent
- » Consumer/Essential Mathematics or equivalent

# BE CONFIDENT IN YOUR CAREER PATH

Confidence in the career path you choose to embark on is key, and selecting the right program for you is the first step. At Assiniboine, we offer an opportunity to explore and experience a program before applying.

### SPEND A DAY WITH US

Our Spend a Day program runs from November to March for most programs. When you spend a day at Assiniboine, we partner you with a current student in the program of your choice and you will have the opportunity to:

- » Participate in classroom activities
- » Experience college life
- » Explore all of our helpful services for students
- » Meet current college students and instructors
- » Enjoy a free lunch on us!

### ATTEND AN ONLINE INFO SESSION

Our free, live online information sessions give you the inside scoop on our college, the program you're interested in and life at Assiniboine. Register in advance and from the comfort of your own home, log in to learn what Assiniboine has to offer.

### STILL NOT SURE?

Contact our recruitment team to arrange a campus tour or an appointment to discuss your career options.

Scan the QR code or visit  
[assiniboine.net/experienceACC](https://assiniboine.net/experienceACC)  
to register or connect with  
our recruitment team!

