RUSS EDWARDS SCHOOL
Agriculture & Environment

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 and January

Work Integrated Learning
3 weeks

You might be a good fit for this program if you would enjoy:

▶ Participating in a nine-month program that leads to employment in food production or the greenhouse industry.
▶ Exploring your interest in plants and the natural environment while enjoying hands-on work and outdoor activities.
▶ Expanding your knowledge and skills in plant cultivation, propagation and management.
▶ Pursuing careers in the horticulture industry, such as greenhouse management and nursery production.
▶ Considering the possibility of starting your own greenhouse or small-scale plant production operation.
▶ Demonstrating a passion for plants and a desire to positively impact the food supply chain or the natural environment.

EXPECTATIONS
Program & Industry

▶ Have physical strength and stamina, as well as the mobility and motor skills, to undertake the required tasks.
▶ Work in outdoor settings in varied terrains such as a greenhouse, field or pasture; maneuver around equipment and plants.
▶ A valid driver's license and access to a vehicle is strongly recommended given the potential need to travel for practicum placement.

CAREER OPPORTUNITIES

▶ Greenhouses and nurseries
▶ Horticultural organization
▶ Research production
▶ Weed sciences

ADMISSION REQUIREMENTS

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

NEXT STEPS

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. Choose to:

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 so you 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!

assiniboine.net/spendaday

ATTEND AN INFO SESSION

Join our free live online info sessions to get the inside scoop on your program of interest and life at Assiniboine. Register in advance and log in from home to learn about Assiniboine.

assiniboine.net/infosessions

Ready to Start?
APPLY NOW!

Assiniboine College

assiniboine.net/horticultural