

# HORTICULTURAL PRODUCTION

**9-MONTH  
CERTIFICATE**

Learn the totality of food production while studying in our sustainable greenhouse at the North Hill campus. Focus your interests on three key sectors: fruits and vegetables, greenhouse production and nurseries.

## Why should you choose Horticultural Production?

**1 Flourish in a unique classroom**  
 Learn in a state-of-the-art sustainable 3,300 square foot greenhouse that brings together solar powered, energy efficient growth solutions, plus a 3.2 acre grow plot and teaching orchard. Be part of a field to fork approach when you grow and cultivate the food used in our Culinary Arts and Hotel and Restaurant Management programs.

**2 Dig into innovation**  
 Participate in pioneering research projects and help find ways to improve greenhouse management and food production. Our Integrated Pest Management (IPM) course examines the most modern biological controls in food growth with an aim to reduce chemical interventions for controlling pests.

**3 Spades of applied learning**  
 Create your own customized soil and compost. Grow unusual food plants such as fenugreek, Malabar spinach and Jamaican thyme. Diagnose and treat plant diseases. Improve drainage systems and learn how to increase food production via micro climate studies. Discover how the art of budding and grafting changes the face and function of trees.

**4 Plot your future**  
 Find work in city and municipal offices, provincial and national parks, Manitoba Agriculture and in the private sector at greenhouses, landscaping companies and other businesses.

### FULL-TIME, ON-CAMPUS TIMELINE:

#### September intake



#### January intake



Program delivery options:



North Hill Campus

## CAREER OPPORTUNITIES

Horticulture is a rapidly growing industry offering rewarding careers in both rural and urban settings across Canada.

Positions open to graduates include: fruit grower, vegetable grower, nursery assistant, Integrated Pest Management (IPM) technician, plant propagator, garden centre worker, marketing and sales assistant, and research assistant. Graduates may continue their studies at the diploma or degree level.

## ADMISSION REQUIREMENTS

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

English is the language of instruction at Assiniboine. All applicants educated outside of Canada or in a country not on the test exempt list are expected to meet the English language proficiency requirement. See [assiniboine.net/elp](http://assiniboine.net/elp) for more information.

## TECHNOLOGY REQUIREMENTS

Programs at Assiniboine have certain technology requirements. Students require access to computer devices at home and may be required to bring these on campus when instructed. Refer to [assiniboine.net/tech](http://assiniboine.net/tech) for more detailed information about the requirements for this program.

## UNIQUE LEARNING EXPERIENCES

- Classroom training integrated with hands-on lab, greenhouse and field experience
- Work practicum
- Program focus on food production

## GRADUATION REQUIREMENTS

To graduate with a Horticultural Production certificate, students must successfully complete 60 academic credits and 3 practical credits.

The minimum passing grade for each course is indicated on the course outline.

## CONNECTIONS

Assiniboine has a number of agreements with other colleges, universities and professional organizations, making it possible for students to apply credit taken at Assiniboine to programs at other institutions. For up-to-date information on agreements, visit [assiniboine.net/registrar](http://assiniboine.net/registrar) or the program page.

## PROGRAM FEES (DOMESTIC ONLY)

Tuition, fees and Students' Association fees total approximately **\$4,730**.

Estimated cost for books and supplies is **\$520**.

*All fees are estimated and subject to change without notice.*

## COURSES 2021-22

NUMBER	COURSE TITLE	CREDITS
HLTH-0030	1st Aid - Emergency	0
BUSN-0158	Business Skills	6
AGRC-0283	Food Safety and Security	6
AGRC-0242	Greenhouse Operations & Mgmt	6
AGRC-0258	Growing Media	6
AGRC-0285	Horticultural Industry	6
AGRC-0247	Horticultural IPM	6
AGRC-0279	Horticultural Methods	6
SCIE-0074	Horticultural Science	6
AGRC-0286	Nursery/Ornamental Hort	6
PRAC-0264	Practicum - HRTPR	3
AGRC-0289	Vegetable & Fruit Production	6

*Note: Timelines, applicable industry experience, and teaching methodology will depend on program delivery choice; program information sheets subject to change without notice. Visit [assiniboine.net](http://assiniboine.net) for the most up-to-date information.*

## NEXT STEPS

Apply now! Visit [assiniboine.net/applynow](http://assiniboine.net/applynow). For more information on this program, visit [assiniboine.net/hortprod](http://assiniboine.net/hortprod).