

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.

CAMPUS/DELIVERY OPTIONS



North Hill Campus

AVAILABLE INTAKES



September



January

WORK PLACEMENT(S)



3 weeks

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 for more information.

TECHNOLOGY REQUIREMENTS

Students in this program are required to bring their own laptop for use on-campus. The laptop must meet the technical needs outlined by the program. Refer to assiniboine.net/tech for detailed information.

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/articulation or the program page.

NEXT STEPS

Apply now! Visit assiniboine.net/applynow. For more information on this program, visit assiniboine.net/horticultural.

PROGRAM FEES (DOMESTIC ONLY)

Tuition: **\$3,630** Course fees: **\$1,220**
Students' Association fees: **\$460**
Estimated textbooks, tools and supplies: **\$440**

All fees are estimated and subject to change without notice. For international program pricing, if/when applicable, please visit assiniboine.net.

COURSES 2023-24

| NUMBER | COURSE TITLE | CREDITS |
|-----------|------------------------------|---------|
| HLTH-0030 | 1st Aid - Emergency | 0 |
| BUSN-0158 | Business Skills | 6 |
| PEDV-0356 | College Foundations | 0 |
| 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 for the most up-to-date information.