

# Horticulture Technology: Diploma

<b>Faculty of Science and Horticulture</b>	kpu.ca/science
<b>Horticulture</b>	kpu.ca/hort
<b>Program Type</b>	Undergraduate
<b>Credential Granted</b>	Diploma
<b>Offered At</b>	Langley
<b>Start Date(s)</b>	September January May
<b>Intake Type</b>	Open intake
<b>Format</b>	Full-time Part-time
<b>Instructional Cycle</b>	Semester-based
<b>Curriculum Effective Date</b>	01-Sep-2016
<b>How to Apply</b>	www.kpu.ca/admission

## DESCRIPTION

The program curriculum and the success of KPU's diploma graduates have established the Horticulture Technology Diploma with or without specialization as a highly valued credential in the workplace. The Diploma program uniquely combines theory and technique with the practice of horticulture. Students learn how to use the tools and technologies that are an everyday part of industry practice. The program also provides students with a foundation in horticulture science. Students develop an understanding of the environmental requirements for optimum plant growth and the limits of technology. Best practice and sustainability are key learning outcomes.

All students must undertake a minimum 455 hours of 'Work Experience', usually completed between first and second year. This provides opportunity for students to apply their new skills and identify where their careers may lie after graduating.

### Specialization Options:

The Diploma in Horticulture Technology can be completed without specialization or by choosing one of three specializations:

- Landscape Horticulture Systems
- Sustainable Production Horticulture
- Turf Management

## Credit Application to a Degree Program

### KPU BACHELOR OF HORTICULTURE SCIENCE

Graduates of a KPU Horticulture Technology Diploma with or without specialization can pursue one of KPU's Bachelor of Horticulture Science degree programs, with a choice between the Urban Ecosystems major or the Plant Health major. (Please refer to the Urban Ecosystems or Plant Health section of the calendar for details.)

Students can combine their diploma education with the enhanced horticulture science knowledge at the degree level and earn two credentials (Diploma and Degree). Those who wish to pursue this option should meet with the Faculty of Science and Horticulture

Degree Advisor to discuss applying credit to one of these unique School of Horticulture degree programs.

### KPU BACHELOR OF BUSINESS ADMINISTRATION

A successful career progression in horticulture often leads to a management role. The Horticulture Technology diploma programs include a foundation in business skills and graduates may be eligible to apply over 30 program credits towards KPU's Bachelor of Business Administration in Entrepreneurial Leadership.

Students can combine diploma-level education with enhanced business skills and earn two credentials (Diploma and Degree). Students who wish to pursue this option should meet with the Faculty of Science and Horticulture Degree Advisor to discuss course planning that would facilitate application to the School of Business degree program.

## STUDENT PROFILE

Students who wish to contribute to environmental and community well-being, engage in creative activities, own and operate their own business, or engage in hands-on work will enjoy horticulture.

Many students enter the Horticulture Technology Diploma to upgrade their skills or facilitate a career change. Faculty and staff are supportive and sensitive to the issues faced by students who embark on a post-secondary program after a significant period away from formal education.

Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact of practicing horticulture on their health. Moderate physical fitness and a healthy back are generally required for a successful career in horticulture.

**NOTE:** In addition to the Faculty Admission Requirements, students will be required to have completed a minimum of Mathematics 11 Foundations (with a C) or equivalent in order to complete the program without undertaking preparatory courses. Students are encouraged to speak with an Academic Advisor to plan course selection accordingly.

## ADMISSION REQUIREMENTS

Students pursuing a Diploma in Horticulture Technology must be admitted to the Faculty of Science & Horticulture.

## DECLARATION REQUIREMENTS

Students intending to graduate with Horticulture Technology diploma must declare the credential. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University.
- Completion of a minimum of 15 credits of undergraduate coursework.

## CURRICULAR REQUIREMENTS

Students pursuing a Diploma in Horticulture Technology must complete at least 63 credits. Students should be familiar with the basic computer applications of word processing and spreadsheets. If students require upgrading, they should take CBSY 1105.

Students must select Year 1 courses carefully to ensure that Year 2 course prerequisites are met. An Academic Advisor can assist with this course selection. For a list of HORT courses and the semesters they're offered see kpu.ca/hort

## YEAR 1

### All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1155	Introduction To Plant Materials	3 credits
HORT 1217	Foundations of Plant Health	3 credits

### Plus one of:

CMNS 1140	Introduction to Professional Communication	3 credits
ENGL 1100 †	Introduction to University Writing	3 credits

### Plus:

HORT	9 credits from courses in HORT at the 1100 level	9 credits
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## YEAR 2

### All of:

HORT 2302	Horticulture Work Experience	1 credit
HORT 2306	Work Experience Report	1 credit

### Plus one of:

HORT 2308	Landscape Pest Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits
HORT 2378	Production Horticulture Pests	3 credits

### Plus one of:

BUSI 1205	Supervisory Skills	3 credits
BUSI 1215 *	Organizational Behaviour	3 credits
BUSI 1250	Human Resource Management	3 credits

### Plus one of:

ACCT 1110 *	Introductory Financial Accounting I	3 credits
BUSI 1209	Business Management in Horticulture	3 credits
BUSI 1210	Essentials of Management	3 credits

### Plus:

HORT	21 credits from courses in HORT, including at least 15 credits from courses at the 2000 level or higher	21 credits
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**Notes:** † Applicable to the Bachelor of Horticulture Science in Plant Health or Urban Ecosystems and the Bachelor of Business Administration in Entrepreneurial Leadership. \* Applicable to the the Bachelor of Business Administration in Entrepreneurial Leadership.

## CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Horticulture Technology**.