

Horticulture Technology - Sustainable Production Horticulture: Diploma

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

DESCRIPTION

The greenhouse and nursery sector of horticulture in BC has consistently provided rewarding employment opportunities. There is always demand for knowledgeable and skilled individuals who enjoy working with people and plants. Job opportunities exist in BC and indeed, worldwide. This diploma specialization provides students with the knowledge and skills needed to work successfully in the greenhouse production of vegetables, flower crops, and field and container production of ornamental plants.

Graduates may be employed as assistant growers or growers in wholesale and retail nurseries, commercial greenhouse operations, garden centres, or as technical representatives in supply companies. Research and sales also compliment these diverse career choices.

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 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.

CURRICULAR REQUIREMENTS

Students pursuing a Horticulture Technology Diploma with a Sustainable Production Horticulture specialization 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 1193	Crop Production Practices	3 credits

HORT 1217	Foundations of Plant Health	3 credits
HORT 1293	Crop Production Operations	3 credits

Plus one of:

HORT 1240	Arboriculture I	3 credits
HORT 1261	Plant Propagation	3 credits

Plus one of:

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

YEAR 2

All of:

HORT 2302	Horticulture Work Experience	1 credit
HORT 2306	Work Experience Report	1 credit
HORT 2375	Production Facilities and Systems	3 credits
HORT 2393	Crop Production Performance	3 credits
HORT 2477	Production Management	3 credits
HORT 2490	Organic Crop Production	3 credits
HORT 2493	Crop Production Development	3 credits

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:

HORT 2334	Irrigation and Drainage Practices	3 credits
HORT 2473	Greenhouse Climate Control	3 credits

Plus one of:

HORT 2442	Arboriculture II	3 credits
HORT 2463	Woody Plant Production and Development	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

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 Sustainable Production Horticulture Specialization**.