

# Horticulture: Citations

Faculty of Science and Horticulture	
kwantlen.ca/science	
School of Horticulture	
kwantlen.ca/hort	
IMPLEMENTATION DATE	START DATE(S)
01-Sep-2011	September January
ADMISSION TYPE	ENROLMENT TYPE
Open admission	Open access
PROGRAM TYPE	CREDENTIAL GRANTED
Undergraduate	Citation
OFFERED AT	FORMAT
Langley	Part-time
HOW TO APPLY	
www.kwantlen.ca/admission	

## DESCRIPTION

If you are looking to acquire specific skills and knowledge backed by a university credential, consider a horticulture citation. Equal to approximately ¼ of a diploma (five to seven courses), a citation can enhance your skills or offer a start on a career. All citation courses are transferable to at least one Kwantlen Horticulture diploma.

Enrol in a citation to:

- develop specific technical skills and knowledge
- apply technical knowledge to solve practical problems
- prepare for employment with an industry specialization
- develop critical thinking skills using industry specific problems

## Eleven different specializations:

### FOUNDATION IN LANDSCAPE DESIGN

Combine plant selection, design theory, and computer aided design to create designs that reflect your client's vision.

### RESIDENTIAL LAWN CARE

It is easy to grow a mediocre lawn and hard to have a great one. Learn the essential skills required to install and maintain great residential and commercial lawns.

### HORTICULTURAL SCIENCE

Study the core disciplines of plant science, soil management, plant identification, and pest management. This citation is an excellent foundation for further study within all horticulture specialities.

### INTRODUCTION TO SUSTAINABLE HORTICULTURE

Discover and apply sustainable practices to either residential landscape horticulture or organic greenhouse crop production.

### ARBORICULTURE

Trees are valuable to our environmental, economic, and cultural well-being. Learn how to maximize that benefit by the proper selection, establishment, and maintenance practices.

## PRODUCTION FACILITIES

Study the principles and practices of the construction, maintenance, and use of greenhouse and nursery facilities and equipment.

## GARDEN CENTRE OPERATIONS

What is it, where do I plant it, and will it grow beside my...? Develop your skills in plant care, plant propagation, and sales and customer service.

## COMMERCIAL HORTICULTURE IN BC

This citation is designed for graduates of agronomy or field based horticulture. Add knowledge of and learn the techniques used in B.C.'s greenhouse and nursery industry.

## PEST MANAGEMENT, PRODUCTION

Pest managers make decisions. Learn how to make better decisions for production horticulture.

## PEST MANAGEMENT, LANDSCAPE

Pest managers make decisions. Learn how to make better decisions for landscape horticulture.

## PEST MANAGEMENT, TURF

Pest managers make decisions. Learn how to make better decisions for turf.

## STUDENT PROFILE

Students who enjoy nature and living systems, are concerned about the environment and sustainable communities, seek the opportunity for hands-on work, and wish to utilize entrepreneurial talents will enjoy horticulture. Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact on their health. Physical fitness and a healthy back are generally required for a successful career in these horticulture disciplines. Students will be required to work with plant protection products, both biological and chemical.

## CAREER OPPORTUNITIES

The horticulture industry in British Columbia continues to expand to meet the need for horticultural products and services. Industry expansion increases demands on staff at all levels because of a shortage of qualified people. As a result, students will find numerous employment opportunities upon graduation. School of Horticulture graduates have achieved supervisory or managerial roles in greenhouses, golf courses, landscape operations, garden centres, and nursery operations in both the private and public sectors.

## PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

## CONTENT

### Foundation in Landscape Design

The following courses (18 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1155	Introduction to Plant Identification	3 credits
HORT 1224	Landscape Drafting	3 credits
HORT 2320	Landscape Design 1	3 credits
HORT 2355	Plant Identification 3	3 credits
HORT 2426	Landscape Construction	3 credits

**And one of:**

HORT 1119	Landscape and the Environment I (not offered every year)	3 credits
HORT 1122	Introduction to Landscape Practices	2 credits

**Residential Lawn Care**

The following courses (16.5 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1101	Pesticide Applicator/Dispenser Certification	0.5 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1116	Introductory Equipment Maintenance	2 credits
HORT 1134	Turf Maintenance Operations	2 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 1230	Sustainable Turf Management	3 credits
HORT 2334	Irrigation, Drainage and Lighting	3 credits

**Horticultural Science**

The following courses (15 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Introduction to Pest Management	3 credits

**Plus one of:**

HORT 1230	Sustainable Turf Management	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 1261	Plant Propagation	3 credits

**Introduction to Sustainable Horticulture**

The courses will be listed in the near future; please check the department web page in the fall.

**Arboriculture**

The following courses (18 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1102	Botany for Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 2308	Landscape IPM	3 credits
HORT 2442	Arboriculture II	3 credits

**Production Facilities**

The following courses (15 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1116	Introductory Equipment Maintenance	2 credits
HORT 1171	Production Practices—Fall	2 credits
HORT 1271	Production Practices—Spring	2 credits
HORT 2375	Production Facilities and Equipment	3 credits
HORT 2334	Irrigation, Drainage & Lighting	3 credits
HORT 2473	Greenhouse Environment and its Control	3 credits

**Garden Centre Operations**

The following courses (17.5 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1101	Pesticide Applicator/Dispenser Certification	0.5 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 1261	Plant Propagation	3 credits

**And one of:**

HORT 1171	Production Practices - Fall	2 credits
HORT 1271	Production Practices - Spring	2 credits

**And one of:**

HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1119	Landscape & the Environment I (not offered every year)	3 credits
HORT 2355	Plant Identification 3	3 credits

## Commercial Horticulture in BC

The following courses (17 credits) are required to complete the citation with this specialization:

**One of:**

HORT 1171	Production Practices — Fall	2 credits
HORT 1271	Production Practices — Spring	2 credits

**Plus all of:**

HORT 2372	Greenhouse Vegetable Production	3 credits
HORT 2378	Greenhouse Nursery Pests	3 credits
HORT 2463	Nursery Production	3 credits
HORT 2477	Production Management	3 credits

**Plus one of:**

HORT 2371	Fall Floriculture	3 credits
HORT 2479	Spring Floriculture	3 credits

## Pest Management, Production

The following courses (17.5 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1101	Pesticide Applicator/Dispenser Certification	0.5 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 1271	Production Practices - Spring	2 credits
HORT 2378	Greenhouse and Nursery Pests	3 credits

## Pest Management, Landscape

The following courses (15.5 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1101	Pesticide Applicator/Dispenser Certification	0.5 credits
-----------	--	-------------

HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 2308	Landscape IPM	3 credits

**Plus one of:**

HORT 1240	Arboriculture I	3 credits
HORT 1102	Botany for Horticulture	3 credits

## Pest Management, Turf

The following courses (18.5 credits) are required to complete the citation with this specialization:

**All of:**

HORT 1101	Pesticide Applicator/Dispenser Certification	0.5 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Me	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1217	Introduction to Pest Management	3 credits
HORT 1230	Sustainable Turf Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits

## GRADUATION

Upon successful completion of each of program, students are eligible to receive a **Citation in Horticulture Technology** in their specialization.