

# Horticulture Technology: Citations

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|--|----------------------|
| <b>Faculty of Science and Horticulture</b> | kpu.ca/science       |
| <b>School of Horticulture</b>              | kpu.ca/hort          |
| <b>Implementation Date</b>                 | 01-Sep-2011          |
| <b>Start Date(s)</b>                       | September<br>January |
| <b>Admission Type</b>                      | Open admission       |
| <b>Enrolment Type</b>                      | Open enrolment       |
| <b>Program Type</b>                        | Undergraduate        |
| <b>Credential Granted</b>                  | Citation             |
| <b>Offered At</b>                          | Langley              |
| <b>Format</b>                              | Part-time            |
| <b>How to Apply</b>                        | www.kpu.ca/admission |

## DESCRIPTION

If you want to acquire specific horticulture skills and knowledge backed by a university credential, consider a citation. Equal to approximately ¼ of a diploma (five to seven courses), citations will enhance your skills and could open doors to a new career. All citation courses can be applied to at least one KPU Horticulture diploma specialization.

Enrol in a citation to:

- develop technical skills and knowledge in a specific focus
- apply technical knowledge to solve practical problems
- prepare for employment with an industry specialization

## Eleven different specializations:

### ARBORICULTURE

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

### FOUNDATION IN LANDSCAPE DESIGN

Learn to combine plant selection, design theory and practice, commercial gardening methods, and construction to create and install a landscape that reflects your client's vision.

### GARDEN CENTRE OPERATIONS

Develop your skills in basic horticulture and plant care. As a retail employee you will be able to answer customer questions about a broad range of plants such as "What is it?, Where to do I plant it?, How do I keep it healthy?"

### 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 specialties.

### INTRODUCTION TO SUSTAINABLE HORTICULTURE

Discover and apply sustainable practices to organic crop production. Study the wide range of sustainable strategies used in a variety of horticultural operations.

### LANDSCAPE PLANT HEALTH

Learn how to identify and control many types of plant health problems in all landscapes and find interesting career possibilities in parks and gardens.

### PRODUCTION FACILITIES

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

### PRODUCTION HORTICULTURE IN BC

This citation provides students with basic skills in crop production in a protected environment or greenhouse setting. Complementary courses will provide core knowledge in horticulture science.

### PRODUCTION PLANT HEALTH

Learn how to identify and control all kinds of plant health problems. These skills can lead to a career in pest management of greenhouse and nursery pests.

### 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.

### TURFGRASS PEST MANAGEMENT

Learn how to identify and control various plant health problems found in turf that will open doors to pest management careers in turf-related industries.

## STUDENT PROFILE

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

Many students enter the horticulture citations to upgrade their skills or to investigate a career change. Faculty and staff are supportive and sensitive to the issues faced by students who might 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.

The citation is an excellent credential for those who seek some focused horticulture knowledge but who are not able to consider other program formats.

## CAREER OPPORTUNITIES

Citations are valuable to supplement a student's knowledge in a particular topic. As such, a citation can help establish or advance a career in horticulture.

## PROGRAM ADMISSION REQUIREMENTS

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

## PROGRAM REQUIREMENTS

### 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 | Foundations of Plant Health          | 3 credits |
| HORT 1240 | Arboriculture I                      | 3 credits |
| HORT 2308 | Landscape Pest Management            | 3 credits |
| HORT 2442 | Arboriculture II                     | 3 credits |

### Foundation in Landscape Design

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

#### All of:

|           |                                      |           |
|-----------|--------------------------------------|-----------|
| HORT 1124 | Landscape Gardening Methods          | 3 credits |
| HORT 1155 | Introduction to Plant Identification | 3 credits |
| HORT 2327 | Sustainable Landscape Design I       | 3 credits |
| HORT 2355 | Plant Identification 3               | 3 credits |
| HORT 2426 | Landscape Construction               | 3 credits |

### Garden Centre Operations

The following courses (16 credits) are required to complete the citation with this specialization:

#### All of:

|           |                                       |           |
|-----------|---------------------------------------|-----------|
| HORT 1102 | Botany for Horticulture               | 3 credits |
| HORT 1105 | BC Pesticide Applicator Certification | 1 credit  |
| HORT 1155 | Introduction to Plant Identification  | 3 credits |
| HORT 1217 | Foundations of Plant Health           | 3 credits |

#### And one of:

|           |                            |           |
|-----------|----------------------------|-----------|
| HORT 1193 | Crop Production Practices  | 3 credits |
| HORT 1293 | Crop Production Operations | 3 credits |

#### And one of:

|           |  |           |
|-----------|--|-----------|
| HORT 1110 | Introduction to Sustainable Horticulture | 3 credits |
| HORT 1261 | Plant Propagation                        | 3 credits |
| HORT 2355 | Plant Identification 3                   | 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 | Foundations of Plant Health          | 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 following courses (15 credits) are required to complete the citation with this specialization:

#### All of:

|           |  |           |
|-----------|--|-----------|
| HORT 1104 | Soils and Growing Media                  | 3 credits |
| HORT 1110 | Introduction to Sustainable Horticulture | 3 credits |
| HORT 1217 | Foundations of Plant Health              | 3 credits |
| HORT 2490 | Organic Greenhouse Crop Production       | 3 credits |

#### Plus one of:

|           |                                      |           |
|-----------|--------------------------------------|-----------|
| HORT 1102 | Botany for Horticulture              | 3 credits |
| HORT 1155 | Introduction to Plant Identification | 3 credits |

### Landscape Plant Health

The following courses (16 credits) are required to complete the citation with this specialization:

#### All of:

|           |                                       |           |
|-----------|---------------------------------------|-----------|
| HORT 1102 | Botany for Horticulture               | 3 credits |
| HORT 1105 | BC Pesticide Applicator Certification | 1 credit  |
| HORT 1155 | Introduction to Plant Identification  | 3 credits |
| HORT 1217 | Foundations of Plant Health           | 3 credits |
| HORT 1240 | Arboriculture I                       | 3 credits |
| HORT 2308 | Landscape Pest Management             | 3 credits |

### Production Facilities

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

|                |   |           |
|----------------|---|-----------|
| <b>All of:</b> |   |           |
| HORT 1118      | Basic Machinery Operation and Maintenance | 3 credits |
| HORT 2334      | Irrigation, Drainage & Lighting           | 3 credits |
| HORT 2375      | Production Facilities and Equipment       | 3 credits |
| HORT 2473      | Greenhouse Environment and its Control    | 3 credits |

**Plus one of:**

|           |                            |           |
|-----------|----------------------------|-----------|
| HORT 1193 | Crop Production Practices  | 3 credits |
| HORT 1293 | Crop Production Operations | 3 credits |

## Production Horticulture in BC

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

**All of:**

|           |  |           |
|-----------|--|-----------|
| HORT 1104 | Soils and Growing Media                  | 3 credits |
| HORT 1110 | Introduction to Sustainable Horticulture | 3 credits |
| HORT 1193 | Crop Production Practices                | 3 credits |
| HORT 1217 | Foundations of Plant Health              | 3 credits |
| HORT 1293 | Crop Production Operations               | 3 credits |

## Production Plant Health

The following courses (16 credits) are required to complete the citation with this specialization:

**All of:**

|           |                                       |           |
|-----------|---------------------------------------|-----------|
| HORT 1102 | Botany for Horticulture               | 3 credit  |
| HORT 1105 | BC Pesticide Applicator Certification | 1 credit  |
| HORT 1155 | Introduction to Plant Identification  | 3 credits |
| HORT 1217 | Foundations of Plant Health           | 3 credits |
| HORT 2378 | Production Horticulture Pests         | 3 credits |

**Plus one of:**

|           |                            |           |
|-----------|----------------------------|-----------|
| HORT 1193 | Crop Production Practices  | 3 credits |
| HORT 1293 | Crop Production Operations | 3 credits |

## Residential Lawn Care

The following courses (16 credits) are required to complete the citation with this specialization:

**All of:**

|           |   |           |
|-----------|---|-----------|
| HORT 1104 | Soils and Growing Media                   | 3 credits |
| HORT 1105 | BC Pesticide Applicator Certification     | 1 credit  |
| HORT 1118 | Basic Machinery Operation and Maintenance | 3 credits |

|           |                             |           |
|-----------|-----------------------------|-----------|
| HORT 1132 | Turf Maintenance Operations | 3 credits |
| HORT 1217 | Foundations of Plant Health | 3 credits |
| HORT 1230 | Sustainable Turf Management | 3 credits |

## Turfgrass Pest Management

The following courses (16 credits) are required to complete the citation with this specialization:

**All of:**

|           |                                       |           |
|-----------|---------------------------------------|-----------|
| HORT 1102 | Botany for Horticulture               | 3 credit  |
| HORT 1104 | Soils and Growing Media               | 3 credits |
| HORT 1105 | BC Pesticide Applicator Certification | 1 credit  |
| HORT 1217 | Foundations of Plant Health           | 3 credits |
| HORT 1230 | Sustainable Turf Management           | 3 credits |
| HORT 2333 | Turfgrass Pest Management             | 3 credits |

## CREDENTIAL AWARDED

Upon successful completion of the Arboriculture citation program, students are eligible to receive a **Citation in Horticulture Technology, Arboriculture.**

Upon successful completion of the Foundation in Landscape Design citation program, students are eligible to receive a **Citation in Horticulture Technology, Foundation in Landscape Design.**

Upon successful completion of the Garden Centre Operations citation program, students are eligible to receive a **Citation in Horticulture Technology, Garden Centre Operations.**

Upon successful completion of the Horticultural Science citation program, students are eligible to receive a **Citation in Horticulture Technology, Horticultural Science.**

Upon successful completion of the Introduction to Sustainable Horticulture citation program, students are eligible to receive a **Citation in Horticulture Technology, Introduction to Sustainable Horticulture.**

Upon successful completion of the Landscape Plant Health citation program, students are eligible to receive a **Citation in Horticulture Technology, Landscape Plant Health.**

Upon successful completion of the Production Facilities citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Facilities.**

Upon successful completion of the Production Horticulture in BC citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Horticulture in BC.**

Upon successful completion of the Production Plant Health citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Plant Health.**

Upon successful completion of the Residential Lawn Care citation program, students are eligible to receive a **Citation in Horticulture Technology, Residential Lawn Care.**

Upon successful completion of the Turfgrass Pest Management citation program, students are eligible to receive a **Citation in Horticulture Technology, Turfgrass Pest Management.**