

Horticulture Technology: Citations

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|--|---------------------------|
| Faculty of Science and Horticulture | kwantlen.ca/science |
| School of Horticulture | kwantlen.ca/hort |
| Implementation Date | 01-Sep-2011 |
| Start Date(s) | September January |
| Admission Type | Open admission |
| Enrolment Type | Open enrolment |
| Program Type | Undergraduate |
| Credential Granted | Citation |
| Offered At | Langley |
| Format | 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 specialties.

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 their benefits 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 for 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.

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 |

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 | Production Horticulture 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 |

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 |

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 | Foundations of Plant Health | 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 |

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 |
| | Sustainable Horticulture Enterprises (under development) | 3 credits |

Plus one of:

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

| | | |
|---------------------|------------------------------------|-----------|
| Plus one of: | | |
| HORT 1119 | Landscape and the Environment I | 3 credits |
| HORT 2490 | Organic Greenhouse Crop Production | 3 credits |

| | | |
|-----------|-----------------------------|-----------|
| HORT 1230 | Sustainable Turf Management | 3 credits |
| HORT 2333 | Turfgrass Pest Management | 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 | Foundations of Plant Health | 3 credits |
| HORT 2308 | Landscape Pest Management | 3 credits |

| | | |
|---------------------|-------------------------|-----------|
| Plus one of: | | |
| HORT 1240 | Arboriculture I | 3 credits |
| HORT 1102 | Botany for Horticulture | 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 | Foundations of Plant Health | 3 credits |
| HORT 1271 | Production Practices - Spring | 2 credits |
| HORT 2378 | Production Horticulture Pests | 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 | Foundations of Plant Health | 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 |

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 | Foundations of Plant Health | 3 credits |
| HORT 1230 | Sustainable Turf Management | 3 credits |
| HORT 2334 | Irrigation, Drainage and Lighting | 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 Commercial Horticulture in BC citation program, students are eligible to receive a **Citation in Horticulture Technology, Commercial Horticulture in BC**.

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 Pest Management, Landscape citation program, students are eligible to receive a **Citation in Horticulture Technology, Pest Management, Landscape.**

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

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

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 Residential Lawn Care citation program, students are eligible to receive a **Citation in Horticulture Technology, Residential Lawn Care.**