

# Horticulture

Horticulture, a branch of agriculture, focuses on the production and care of fruit, vegetables, and ornamental plants. KPU Horticulture has expanded this focus to include skills-based education for three main areas: (1) production of greenhouse vegetables, flowers, and nursery crops, (2) landscape design, installation and maintenance, and (3) turf management. These three areas are technology-intensive and knowledge-based areas of horticulture practice and have a great impact on the quality of life for our urban and sub-urban society.

KPU School of Horticulture facilities include science labs, a fully equipped Field lab, an extensive rooftop ecosystem laboratory and a greenhouse complex all on the Langley campus. The Field Lab supports year round activities typical of greenhouse and nursery production, as well as landscape installation and maintenance and sports turf management. Knowledge and skills standards are based on related horticulture industries located in Metro Vancouver and the Fraser Valley.

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## 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 horticulture 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.

## CAREER OPPORTUNITIES

Horticulture graduates are successful and provide leadership and service to our communities through fields such as (but not limited to):

- Nursery and Field Crop Production
- Landscape Installation and Construction
- Arboriculture and Plant Health Consultation
- Landscape Design
- Golf Course Management
- Irrigation Contracting
- Landscape Maintenance and Management
- Garden Centre Management
- Interior Landscaping
- Education and training
- Park Operations
- Botanical Gardens and Arboretum Care
- Floriculture Production

- Horticulture Sales and Marketing
- Research, Development and Innovation
- Government departments involved with the agri-food industry

Horticulture offers you the opportunity to:

- Advance community sustainability
- Solve technical challenges
- Be entrepreneurial

Horticulture graduates can:

- Produce vegetables, flowers, and nursery crops
- Utilize business skills (finance, communications, supervision) in production and landscape horticulture and turf management
- Manage production environments and facilities
- Implement integrated pest management programs for plant health
- Maintain golf courses, athletic fields, and other recreational turf
- Install and maintain irrigation and drainage systems (including computer control systems)
- Identify plants and select plants for specific sites
- Prune, maintain and preserve trees during construction
- Develop and implement landscape maintenance plans for private and public clients
- Construct and install landscape features
- Estimate landscape construction and maintenance projects