

TRU School of **Trades and Technology – Horticulture**  
 Dual Credit On-Campus Program Option for Secondary School students in **Grade 11** (as of Sept. 2011)

Contact Person: Kevin Scollon (office phone: 250-828-5181; email: [kscollon@tru.ca](mailto:kscollon@tru.ca) )

Note: Post-secondary training begins August 13, 2012 at the TRU Kamloops campus

Program	Description	Schedule/Seats
<p><b>Horticulture Certificate</b></p>	<p>The program provides students with a basic training for employment in a variety of areas within the horticulture field, such as landscaping, ground maintenance, municipal parks, garden centres, greenhouses, nurseries and as technicians. Successful completion of the program leads to a Certificate. Graduates may also undertake further study to obtain a TRU Diploma in Horticulture/Business (see following).</p> <p>Graduates of the TRU program are eligible to enter the two-year Horticulture Diploma program at Olds College, Olds, Alberta, with advance credit. Transferability into the two year programs at Fraser Valley University (Chilliwack campus) and Kwantlen Polytechnic University, Langley is also possible. Further information on these transfer arrangements can be obtained from the Coordinator.</p> <p>The certificate program is highly practical, about 40% of the time being spent in hands-on skill development which includes roster and greenhouse duties. Practical facilities include two greenhouses, coldframes, a nursery, the science laboratory, and the entire TRU landscape.</p> <p>An important aspect of the program is that the horticulture department and its students work in conjunction with the TRU Maintenance Department on ground maintenance and ongoing landscape development at TRU. This is an integral part of the program and has resulted in a beautiful campus and the winning of landscaping awards.</p> <p>The program includes field trips, guest speakers and a three week practicum.</p> <p style="text-align: center;"><b>How to Apply for this Program:</b></p> <p>TRU invites grade 11 students to submit a TRU-Start Application to their school counsellor (Trades and Transitions Coordinator for SD#73) by November 25, 2011. Students will include with their application their grade 10 transcript, and the TRU application processing fee (currently \$25.50).  <u><b>5 program seats will be available for these applicants.</b></u></p> <p style="text-align: center;">(Program description continued on next page)</p>	<p>Aug. 13, 2012 – Apr. 26, 2013</p> <p style="text-align: center;"><b>5 seats</b></p> <p>Monday – Friday</p> <p>Class days: 8:30am – 3pm daily</p> <p>Practicum: (students are responsible for their own accommodation &amp; transportation)</p>

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Program	Description (continued)
	<p>The TRU Admissions Department will mail a Horticulture program package to these applicants. The program package will explain the remaining program entrance requirements, such as:</p> <ul style="list-style-type: none"> <li>• attend a TRU orientation session (organized by TRU faculty)</li> <li>• submit a transcript showing completion of your Grade 11 and 12 core courses</li> </ul> <p><b>Note: program seats are assigned when all of the application requirements are completed.</b></p> <p style="text-align: center;"><b>Recommendations:</b></p> <ul style="list-style-type: none"> <li>• Applicants should be in good physical condition and have a strong desire for hands-on work with plant materials.</li> <li>• Persons with allergies to dust or pollen should be wary of entering this program.</li> </ul> <p>If you have any questions, please contact the TRU Horticulture Coordinator: Kevin Scollon, at: (250) 828-5181.</p> <p style="text-align: center;"><b>Costs:</b></p> <ul style="list-style-type: none"> <li>• <b>TRU Tuition:</b> Presently, the approximate cost is \$3,000 <b>which SD#73 will pay for SD#73 students!</b></li> <li>• <b>Student Costs: Are the responsibility of the student/parent, and cost approximately:</b> <ul style="list-style-type: none"> <li>- \$25.50 TRU application processing fee</li> <li>- \$1,050 TRU ancillary fees and U-Pass (bus pass)</li> <li>- \$600 Books and Materials</li> <li>- \$200 Pesticide Course and exam</li> <li>- \$250 Field Trip fee</li> </ul> </li> </ul> <p>Note: Students are responsible for providing their own work boots and outdoor wear.</p> <p style="text-align: center;">The Horticulture Certificate Program is broken into the following 14 courses:</p>

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Course (Fall Semester)	Description
ENG 1300 Horticulture Communications English 1 (4,0,0) 3 credits	This course will introduce students to the practice of effective, written, oral and visual communication skills specific to the horticulture field
HORT 1500 Basic Horticulture (38 hours) 2 credits	This course introduces the student to plant structure, growth and development. Topics to be covered include structure and function of plant parts, plant classification, nomenclature and identification, germination, photosynthesis and respiration, plant hormones and environmental effects on plant growth and development
HORT 1510 Greenhouse Production (38 hours) 2 credits	The student will learn about the basic structure of greenhouses, heating and ventilating systems, soil mixes, supplemental lighting, fertilization, chemical growth regulators and irrigation
HORT 1520 Diseases and Insect Pests (38 hours) 2 credits	The course deals with insect structure and development, important insect orders, integrated pest management, causal agents of plant diseases and disorders, and various control measures.
HORT 1540 Soil Science (38 hours) 2 credits	Topics covered include components of soil, texture, porosity, conductivity, cation-exchange-capacity, salinity, soil organisms, mineral nutrients and soil amendments.
HORT 1700 & HORT 1800 Horticulture Practical (595 hours) 3 credits	The practical sessions are an integral part of the program and are designed to give students hands-on experience in developing required skills. Horticulture 180 is in the second term and is a continuation of Horticulture 170. Following are the major topic areas followed by the apportioned class hours: Plant Studies (30), Insect Studies (13), Soil Studies (10), Weed Studies (8), Indoor Plant Identification (14), Landscape Plant Identification (30), Plant Propagation (39), Greenhouse Crop Production (33), Greenhouse Practices (59), Grounds Maintenance (71), Landscape Design (45), Landscape Installation (71), Pruning (15), Basic Carpentry (25), Small Engines (25), Pesticide Dispensers and Applicator's Course (18).

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Course (Winter Semester)	Description
ENGL 1310 Communications English 2 (4,0,0) 3 credits	This course extends writing, research, oral presentation
HORT 1600 Weeds (26 hours) 1 credit	Aspects to be studied are biology of weeds, identification, control measures and integrated weed management.
HORT 1610 Nursery Production and Retailing (26 hours) 1 credit	Nursery production is an important aspect of the horticulture industry in B.C., with a significant volume of landscape plants exported to the rest of Canada. Topics to be covered include site selection, management of field and containerized stock, plant propagation, fertilization, soil mixes and irrigation. Also covered will be the retailing of nursery stock and horticultural products in a garden centre.
HORT 1620 Fruit and Vegetable Production (26 hours) 1 credit	In fruit production the course examines site selection, rootstocks, pollination, pruning, and the use of chemical growth regulators. Areas to be covered in vegetable production include seed germination, growing transplants, cultivation, fertilization, irrigation and cultural requirements of some important vegetables
HORT 1630 Landscaping (26 hours) 1 credit	Landscaping is an important and integral part of the urban environment. The course covers the principles of landscape design, developing a landscape plan, hard landscaping, landscape installation and landscape maintenance.
HORT 1640 Turfgrass Management (26 hours) 1 credit	The student will learn about the botany of grasses, selection of different grass species, seeding and sodding of lawns, fertilizers, irrigation, mowing and cultivation.
HORT 1900 Horticulture Practicum (3 credits)	The objective of the practicum is to enhance and culminate the education acquired within the University environment with work experience at participating businesses and organizations. The practicum will allow the student to solidify information learned at TRU, to see its application in the work world and to participate in the day-to-day operation of a business. Through the practicum, the student will gain a deeper insight into the direction he/she wants to go within the horticulture industry.

- [Trades and Technology - Horticulture Certificate](#)