

Agriculture Sciences and Technology

HORTICULTURE CROP PRODUCTION AND PROTECTION

Why study horticulture?

UFV's agriculture program offers a bouquet of programs and courses that can be tailored to your exact needs whether you want to work "on farm" growing food and ornamental crops, or "off farm" in the agricultural services sector with career opportunities in business management, sales, marketing, and research.

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Your horticulture options at UFV include a comprehensive one-year Horticulture Crop Production and Protection certificate and a two-year Agriculture Technology diploma — Horticulture Crop Production and Protection option. Both programs emphasize the principles and practices of horticultural crop production, protection, and maintenance. And if you want to keep studying after one year, you can "ladder" the certificate directly into the two-year diploma program. UFV's Agriculture department also offers several short 'Essentials' certificates and comprehensive one-and two-year Livestock Production programs.

WHAT TYPE OF CAREER CAN I EXPECT?

UFV horticulture grads are in demand immediately upon graduation. You can look forward to employment opportunities in greenhouses, nurseries, garden centres, golf courses and landscaping companies. You could also consider a career in grounds maintenance or as a technician with various levels of government. Other options might include a career in the agri-business sector in marketing, sales, and service. Some graduates return to family-owned enterprises or start their own small businesses.

UFV is also proud to offer its brand new Bachelor of Business Administration degree — Agriculture Management option or you could pursue a Bachelor of General Studies degree program at UFV. You may also choose to transfer to Olds College in Alberta and receive transfer credit towards a Bachelor of Science degree in applied horticultural technology or consider transferring to either the University of Lethbridge in Alberta or the University of Hawaii in Hilo.



“Demand for graduates in mid-management and management positions has never been higher, whether it is the nursery industry, berries, vegetables, or greenhouse production.”

— TOM BAUMANN,
UFV Horticulture Instructor.

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“The valuable combination of practical and theoretical training in plant/pest identification and crop production/management has provided an excellent springboard for the numerous UFV grads we’ve hired to become successful inspectors in CFIA’s plant protection and agriculture-related programs.”

—**SHARON CHRISTIE**, UFV Agriculture Technology diploma and Ornamental Horticulture certificate graduate. Inspection Manager for the Canadian Food and Inspection Agency, Plant and Animal Health Programs.

WHY TAKE HORTICULTURE AT UFV?

Our programs provide an excellent balance of theory and practice, and emphasize management practices compatible with agricultural sustainability and society’s increasing concerns about environmentally responsible agricultural production techniques. As a horticulture student, you will participate in hands-on learning in the UFV greenhouses and on the UFV Chilliwack campus grounds.

UFV’s Agriculture department also offers several short ‘Essentials’ certificates for people entering the industry, or those who already work in agriculture but would like to learn more. Our new Essentials certificates are called: Berry Production, Field Vegetable Production, Integrated Pest Management, Current Agricultural Practices, and Milker Technician. Contact the Agriculture department to find out more about these new certificate opportunities.

WHAT DO I NEED TO GET IN?

You must be at least 18 years old, and have the following:

1. B.C. secondary school graduation, or equivalent, and
2. English 11, Principles of Math 11 (or Math 11), and one of the following Grade 11 sciences:
 - » Biology
 - » Chemistry
 - » Earth Sciences
 - » Physics
 - » or Agriculture 11 and 12 with a minimum grade of C required in both subjects.

You can arrange to take any necessary upgrading courses to meet the entrance requirements through UFV’s Upgrading and University Preparation department. If you need to do this, contact the Agriculture department at 604-795-2813 for details.

WHERE WILL MY CLASSES BE DELIVERED?

All Agriculture programs are based at the Chilliwack campus. For more information about Agriculture programs at UFV, call the Agriculture department at 604-795-2813 or visit www.ufv.ca/agriculture.

CAN I GET ACADEMIC CREDIT FOR THE SKILLS AND KNOWLEDGE THAT I HAVE GAINED IN MY LIFE SO FAR?

Yes. UFV offers Prior Learning Assessment and Recognition (PLAR), a flexible assessment process that evaluates your experiential learning (what you already know and can do) for post-secondary credit. Experiential learning includes independent study, volunteer activities, non-credit courses, workplace learning, and military service. To find out more, check out the PLAR website at www.ufv.ca/plar or contact Susan Brown, Assessment Services Coordinator, PLAR at 604.851.6342 or susan.brown@ufv.ca.

ANYTHING ELSE I NEED TO KNOW?

You should be in good physical condition, have a strong desire for hands-on work with plants, and be willing to work outside, often in inclement weather. If you have allergies to dust, pollen, or plant products, you should carefully consider whether this is the best career path for you.

HOW DO I APPLY?

Most of our students are full-time, but you are welcome to study part-time. We offer flexible entry: you may start in either September or January. However, because of course sequencing the most efficient way for you to complete the diploma program is to start in September. Your application will be accepted anytime and as a qualified applicant, you will be eligible for the next available seat in each semester in order of date of application. It's best to check out the UFV calendar at www.ufv.ca/calendar and download an application form. Read the Agriculture section carefully. Fill out the application and submit it, along with the \$45 application fee and any necessary documents, to the Admissions and Records office at any UFV campus or centre or apply online via www.pas.bc.ca.

You must take a Composition Placement Test (CPT) in order to register for Communications 125 — CMNS 125 is a requirement for graduation. If you do not take the CPT, you can still register for Agriculture courses, but without CMNS 125 you will not meet all the requirements for graduation.

SOUNDS GREAT. WHAT WILL I LEARN?

Year one of the Agriculture Technology diploma (Horticulture Crop Production and Protection option) is exactly the same as the one-year Horticulture Crop Production and Protection certificate. All courses from the Horticulture Crop Production and Protection certificate transfer directly to the two-year Agriculture Technology diploma.

AGRICULTURE DIPLOMA: HORTICULTURE CROP PRODUCTION AND PROTECTION CERTIFICATE

YEAR ONE/SEMESTER I (FALL)

COURSE #	TITLE
AGRI 123	Horticulture Skills and Techniques for Fall
AGRI 124	Introduction to Horticulture
AGRI 142 or BUS 100	Agribusiness Principles Introduction to Business
AGRI 163	Pest Biology and Identification
AGRI 220	Plants in the Landscape
CMNS 125	Introduction to Workplace Communications
In even-numbered years, you must also take:	
AGRI 321	Vegetable Crop Production: Science and Practice
In odd-numbered years, you must also take:	
AGRI 323	Fruit Crop Production: Science and Practice

YEAR ONE/SEMESTER II (WINTER)

COURSE #	TITLE
AGRI 129	Horticulture Skills and Techniques for Winter
AGRI 183	Farm and Equipment Safety
AGRI 203	Fundamentals of Pest Management
AGRI 204	Introduction to Soils and Soil Fertility
AGRI 324	Greenhouse Production: Science and Practice
AGRI 327	Nursery Production and Propagation: Science and Practice
Select one of:	
AGRI 192 or AGRI 194	Practicum I Practical Horticulture

AGRICULTURE DIPLOMA: HORTICULTURE CROP PRODUCTION AND PROTECTION OPTION

YEAR TWO/SEMESTER III (FALL)

COURSE #	TITLE
AGRI 247	Enterprise Project: Part I
AGRI 272	Agriculture Seminar Series
AGRI 311	Sustainable Soil Management
CMNS 251	Professional Report Writing
Select one of:	
ECON 100 or ECON 101	Principles of Microeconomics Principles of Macroeconomics
In even-numbered years, you must also take:	
AGRI 321	Vegetable Crop Production: Science and Practice
In odd-numbered years, you must also take:	
AGRI 323	Fruit Crop Production: Science and Practice

YEAR TWO/SEMESTER IV (WINTER)

COURSE #	TITLE
AGRI 206	Field Techniques in Pest Management
AGRI 212	Introduction to On-Farm Food Safety, Quality, and Security
AGRI 248	Enterprise Project: Part II
AGRI 371	Sustainable Holistic Agriculture: Planning and Practices
AGRI 292	Practicum II
BUS 120	Essentials of Marketing

HOW MUCH WILL IT COST?

It's best to consult the Fees and Other Costs section of the UFV calendar for tuition fees. You should budget about \$1,500 annually for books, field trips, and supplies. Plan to spend an additional \$90 to cover the cost of materials and examination fees to write the Provincial Pesticide Applicator's or Dispenser's exam.

It's worth a visit to the UFV Financial Aid and Awards office, which facilitates the disbursement each year of about \$12 million in federal and provincial student loans, grants, bursaries, scholarships, and awards to UFV students. A helpful budget planning worksheet is available online at www.ufv.ca/fineaid/budget.

SOUNDS GOOD. WHAT DO I DO NOW?

Apply right away. Visit www.ufv.ca/advising/prospective/enroll for a step-by-step process to becoming a UFV student. Have specific questions? Contact the Agriculture department at 604-795-2813.

WHAT KIND OF ASSISTANCE IS THERE TO HELP ME ADJUST?

Please visit www.ufv.ca/student-services to learn about the broad range of services designed to help you learn about and adjust to the university environment.

CAN I SPEAK WITH SOMEONE ABOUT MY OPTIONS?

Absolutely. We want to hear from you! If you're unsure of your direction, contact the Agriculture department at 604-795-2813. You can also call Student Services at 1-888-504-7441 to connect with an Educational Advisor, or arrange for career counselling.



The information contained in this document is subject to change. Please refer to www.ufv.ca/agriculture for up-to-date information. UFV reserves the right to cancel courses and programs.

www.ufv.ca/agriculture



About UFV

Nestled in the beautiful Fraser Valley just east of Vancouver, in B.C., UFV is a fully accredited, public university that enrolls more than 11,000 students each year. UFV has campuses in Abbotsford, Chilliwack, and Mission and regional centres in Hope and Agassiz, and a growing presence in Chandigarh, India.

UFV is committed to exceptional post-secondary instruction and a nurturing learning environment. We are large enough to offer variety, yet small enough to offer the personal attention that our students need to thrive. Our small class sizes and focus on teaching allow our students to get to know their instructors and learn in a hands-on setting.

We offer more than 80 programs, including 13 bachelor's degrees, a master's degree, and more than a dozen trades and technology programs. We believe that anyone who wants to go to university should be given the chance, so our admission policies are flexible, and we provide university prep courses and high school completion options. There are many options for learning: full-time, in class, online, as part of a structured program or one tailored specifically to your interests.

Many of our programs "ladder" into one another, allowing students to keep their options open. Our international programming makes for a culturally diverse student body and great opportunities to study abroad, while our continuing studies offerings make learning a lifelong experience.

UFV is recognized nationally for student success, an excellent learning environment, creative integration of programming, and our work with our local communities.

Get to know us better at www.ufv.ca.

