

Electronics

CERTIFICATE

Why earn your Electronics Technician—Common Core certificate?

You're analytical, like to troubleshoot, and love to take things apart and put them back together again. Anything electronic fascinates you and you have a knack for fixing things. Now it's time to combine those skills and make a great a career out of them.

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WHAT WILL I GET OUT OF UFV'S PROGRAM?

Our program is designed to prepare you, whether you have an electronics background or not, for a range of entry-level technical service positions. After 10 months, you'll graduate from standardized training with the skills and knowledge required by those working in the electronics industry. Along with the fundamental skills, you will learn how to troubleshoot, repair, and build analog and digital circuits. Our program has an industry-led advisory committee that ensures we're teaching top-notch, up-to-date information.

The program is also recognized by the International Electronics Technician Articulation Committee, which means as a successful graduate, you'll have national and global mobility when looking for work or to further your education. UFV's Electronics Technician — Common Core program is the prerequisite for advanced electronic technician specialty programs at post-secondary institutions across B.C. and around the world.



“Electronics is not simply about fixing VCRs, TVs, and photocopiers. We’re talking about complex system electronics. This is a solid, sought-after trade that has excellent growth and earning potential.”

— **NORM WEIDERICK**,
who completed the program
along with sons Ryan and Eric.

Electronics



“The program is well organized and taught well. The instructors at UFV are great, friendly, and easy to work with. The learning material presented is relevant and up-to-date. My lessons were very applicable to the field of modern electronics and many of the lab exercises were fun and provided unique challenges.”

— **THOMAS MASON,**
Electronics Technician graduate, 2006.

WHAT TYPE OF CAREER CAN I EXPECT?

Technology has made the world seem smaller and with this increasing globalization and the trend toward computerization and other forms of electronic automation, there will be no shortage of electronics technician jobs. Once you've graduated, you might find a career with:

- manufacturers of electronic equipment
- telecommunication centres
- instrumentation service centres
- business equipment service centres
- cable companies
- commercial sound companies

WHAT EXACTLY WILL I LEARN?

As an electronics technician you'll learn how to use multimeters, circuit testers, oscilloscopes, logic probes, and other diagnostic equipment to locate circuit, component, and equipment faults. You'll also learn how to adjust, install, and repair complex systems while following equipment manuals. UFV combines hands-on lab work with classroom-based lectures, group activities, reading assignments, and practice problems. As a successful grad, you might choose to continue your education while specializing in any number of diverse fields such as business equipment, computer hardware and networking, industrial instrumentation, telecommunications and more.

UFV's Electronic Technician—Common Core program is organized into the following areas of concentration:

- Introduction to AC and DC Circuits
- Discrete Semiconductor Circuits
- Linear Electronic Circuits
- Digital Electronic Circuits
- Microprocessors/Microcontrollers

The electronics lab has 20 generously sized work areas where students work with top-of-the line equipment that exceeds today's industry standards, including hot air solder equipment, micro-controller training software, a capacitive discharge welder, fibre optic test set, and multi-functional CCTV sets. UFV is the only technician training program in B.C. to have a \$25,000 rapid prototyping machine in a student lab.

SOUNDS GOOD. WHAT DO I NEED TO GET IN?

You'll need your B.C. secondary school graduation or equivalent and must pass Math 11 or UFV's MATH 085. If you think you have the equivalent courses or acceptable technical background, you can contact the instructor at 604-847-5429.

WHEN SHOULD I APPLY?

Apply right away. Applications are accepted on a continuous basis throughout the year. Qualified applicants are considered for the next intake that has space.

To determine when the next intake occurs, call the Trades and Technology centre at 604-847-5448, or 1-888-504-7441, ext. 5448, or email trades@ufv.ca to get more details.

ANYTHING ELSE I NEED TO KNOW?

Due to the nature of electronics, you need to be well organized and will develop a systematic approach to evaluating or troubleshooting electronic systems. You'll also need to have good hand-eye coordination and manual dexterity. If you're colour-blind, this might not be the career for you as it might prove to be restrictive in training and possible employment.

Our Electronics Technician program is located in the Trades and Technology centre, which is open 8 a.m. to 4 p.m. weekdays. Classes and shops are in session 8 a.m. to 2 p.m., Monday to Friday.

The 10-month program runs from September to June and your continuous attendance is required throughout all three semesters. You are expected to attend classes five days per week for the duration of the entire program. If you fail to meet the attendance requirements as outlined in your individual program guide, you might be subject to a failing grade or academic warning.

HOW MUCH WILL IT COST?

Expect to pay program fees of about \$111 per week; this covers tuition plus 10 percent of the tuition for ancillary fees. As an Electronics Technician student, you should also budget about \$200 for your basic hand tools, and \$990 for required textbooks. We require a deposit (currently \$200) to be paid when you register, which typically takes place one or two months before the start of each semester.

The balance of your fees must be paid by the second week of the semester. In addition, each semester (fall, winter, and summer) you will be required to pay a \$30 Student Union Society membership fee, a \$35 SUS building fee, \$4.50 Cascade student newspaper fee, a \$3 per semester radio station fee and a \$40 universal bus pass fee.

A health and dental fee (\$160 for 2009/10) is charged annually each fall semester to students with nine or more credits to provide extended medical and dental insurance. You can check with the Student Union Society or at www.studentcare.net/works for details. It's also worth a visit to the UFV financial aid and awards office, which facilitates the disbursement each year of approximately \$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.

I'M INTERESTED. WHAT DO I DO NEXT?

Check out UFV's online calendar at www.ufv.ca/calendar . Read the Electronics Technician program description and information carefully. If you wish to contact the instructor, call Randy Kelley at 604-604-847-5429, or email electronics@ufv.ca . Next, you can download an application form and submit it, along with the \$45 application fee, to any UFV Admissions and Records office. You can also transmit it through the Internet at www.pas.bc.ca . If you're currently in Grade 12, you can apply now, but we require a statement from your school counsellor or principal indicating that you are likely to meet graduation requirements by June. If you have not been contacted within two weeks of submitting your application, then call us at 604-847-5448.

Before classes start, you'll be called and given all the registration procedures. If we can't reach you after three attempts, you'll be removed from the waitlist.

CAN I SPEAK WITH SOMEONE ABOUT MY OPTIONS?

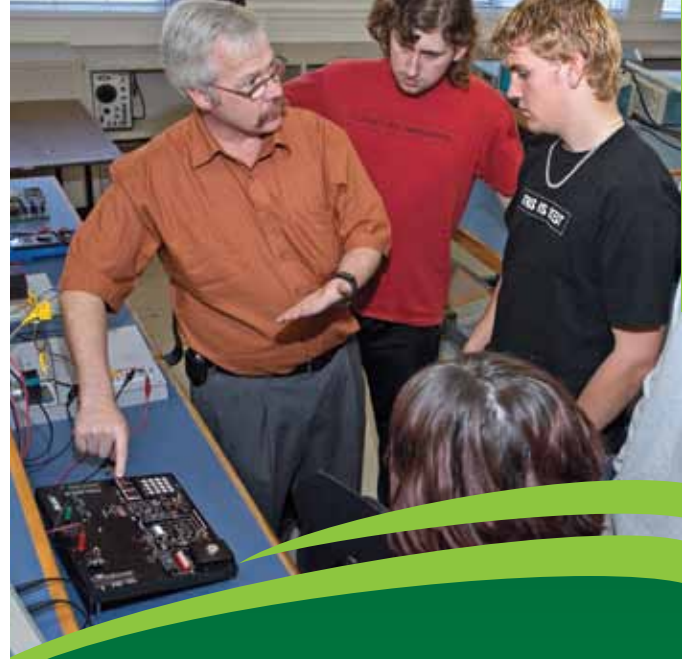
Yes! We want to hear from you! If you're unsure of your direction, contact Student Services at 1-888-504-7441 to connect with an educational advisor, or arrange for career counselling. You can also contact the Trades and Technology centre directly at 604-847-5448, or 1-888-504-7441, ext. 5448, or email trades@ufv.ca to get more details.

WHERE WILL MY CLASSES BE DELIVERED?

UFV's Trades and Technology Centre is the university's first facility to open in Chilliwack's Canada Education Park, a 200-acre education and research park situated along the historic Vedder River on what was once Canadian Forces Base Chilliwack.



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



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 .

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