

## Trades & Applied Technology Programs

# Electrician

**Entry-Level Certificate Program: 24 weeks; 18 credits**

**Fee Category: VII**

## The Program

The ELTT Electrician program provides trades training that grants graduates a Vancouver Island University certificate as well as ITA Electrician Level I certification. The apprentice level training provides provincially certified apprenticeship training for registered Electrician apprentices in Level 1 and Level 2.

## Career Opportunities

The Vancouver Island University Electrical Department provides both entry-level and apprenticeship training. Entry-level training prepares graduates for employment in the electrical trade where the electrical worker plans, assembles, installs, tests, repairs and maintains electrical equipment and systems in commercial, industrial and marine facilities.

## Apprenticeship Information

Graduates of this program may receive credit towards the technical portion of the first year of the Electrical Apprenticeship program. In order to complete the apprenticeship and become a journeyperson, graduates would find an employer in the industry to provide the on-the-job training and 10 weeks per year in each of the next three years.

The Electrical Apprenticeship program consists of 4 years of on-the-job experience combined with in-school technical training in order to become eligible to write the Interprovincial (Red Seal) examination for journeyperson certification.

For more information on apprenticeship training, please visit the Industry Training Authority website at [www.itabc.ca](http://www.itabc.ca), or contact the Industry Training Centre at 1-866-660-6011, or call VIU's Apprenticeship Coordinator at 250-740-6255. For more information and schedules visit VIU's Trades and Applied Technology Apprenticeship page.

## Admission Requirements

- Grade 12, or equivalent, or mature student status.
- Min. 17 years of age.
- Letter grade "C" or higher in English 11 **or** Technical and Professional Communications 12.
- Letter grade of "C" **or** higher in Principals of Mathematics 11 **or** Applications of Mathematics 11.
- Valid BC driver's license.

- Successful completion of assessment testing.
- See also Trades general admission requirements.

## **Apply for Admission Online or Print Application Form**

### ***Recommendations for Admission***

- English 12, Mathematics 12, and Physics 12

### ***Notes on Admission***

- Those with a good reasoning, basic science, mathematical, and study skills will experience the most success.
- Enrolment in this program is limited. Students who meet or exceed the minimum admission requirements may not necessarily be admitted to the program.

## **Start Date and Application Deadline**

The program starts in September, and applications are accepted from November 15 to March 31. Assessment test results and all documentation must be submitted by April 15. Applications received after March 31 will be considered late and will be processed as space permits.

## **Special Expenses**

Students will need personal protective equipment and text books, which will cost approximately \$500.

*All fees and costs are subject to change without prior notice.*

## **Program Outline**

- ELEC 100T (Safe Work Practices)
- ELEC 105T (Introduction to the Workplace)
- ELEC 110T (Electrical Math)
- ELEC 115T (Shop, Hand and Power Tool Use)
- ELEC 120T (Fundamentals of Electricity)
- ELEC 125T (DC Circuits)
- ELEC 130T (Electromagnetism and Applications)
- ELEC 135T (Meters and Test Equipment)
- ELEC 140T (Electrical Prints and Drawings)
- ELEC 145T (AC Motor Controls)
- ELEC 150T (Electrical Code & Wiring)
- ELEC 155T (Low Voltage Distribution Systems)

### ***Apprenticeship***

- ELEC 201 (Level 1 Apprenticeship)
- ELEC 202 (Level 2 Apprenticeship)

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