

Trades & Applied Technology Programs

Electrician

- **24-Week Foundation Certificate Program (18 credits)**
- **Offered at the Nanaimo campus**
- **Program Fees: Domestic Students, International Students**
- **Apply for Admission**
- **Apprenticeship Registration: call 1-888-920-2221 local 6112**

The Program

The Vancouver Island University Electrical Department provides both Foundation and Apprenticeship training. Foundation 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.

Foundation Electrician Program

The Foundation Electrician program provides trades training that grants graduates a Vancouver Island University certificate as well as ITA Electrician Level I Certification. 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 journeyman, graduates would find an employer in the industry to provide the on-the-job training and 10 weeks in-school training per year in each of the next three years.

ITA Electrical Apprenticeship Information

The apprentice level training provides provincially certified apprenticeship training for registered Electrician apprentices in Level 1, 2, 3, and 4. 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 journeyman certification.

For more information on apprenticeship training, please visit the Industry Training Authority (ITA) website at www.itabc.ca, or contact the ITA at 1-866-660-6011, or call the Apprenticeship Clerk at Vancouver Island University toll-free at 1-888-920-2221 local 6112. For more information and schedules visit VIU's Trades and Applied Technology Apprenticeship page.

Admission Requirements

- Grade 12, or equivalent, or mature student status.
- Minimum 17 years of age.
- Minimum grade "C" in English 11 or Technical and Professional Communications 12.
- Minimum grade of "C" in one of Principles of Mathematics 11, Applications of Mathematics 11, Foundations of Mathematics 11, or Pre-calculus 11.
- Valid BC driver's license.
- Successful completion of assessment testing.

- See also Trades general admission requirements.

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

Applications are accepted on an ongoing basis. For further information regarding next available program start dates, applications, and program contacts check the Program Availability List.

Program Outline

Electrician Program
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)
ELEC 203 - (Level 3 Apprenticeship)
ELEC 204 - (Level 4 Apprenticeship)

All program courses must be successfully completed before certificates will be issued.

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