

# Electrician Pre-Apprenticeship

## School District Dual Credit Program

### 2019 - 2020

This 24-week program provides students with little or no previous experience in electrical trade with the necessary skills to seek employment in that industry as an apprentice electrician. The program exposes the student to aspects of residential, commercial and industrial systems in this trade with a focus on developing practical skills. The curriculum follows the BC Ministry of Advanced Education and Labour market Development guidelines for the first-year in-class components of the Electrician Apprenticeship, which includes installation procedures in compliance with the Canadian Electrical Code for residential, commercial and industrial systems.

### Career Opportunities

Electricians find employment in the construction and industrial maintenance sectors with opportunities in specialized areas such as the movie and aircraft industries. Many electricians progress on to supervisory roles, estimating and into electrical sales working for Contractors, Construction Firms, Maintenance Departments, industrial Facilities, Hospitals and School Boards. For more information on Electrician employment opportunities:

WorkBC – [www.workbc.ca](http://www.workbc.ca)

ITA – [www.itabc.ca](http://www.itabc.ca)

### Program Outline

This program combines theory and hands-on training in the following courses, with a minimum passing grade of 70% per component.

- ELEC 101 Trades Math
- ELEC 102 Trades Science Concepts
- ELEC 103 Safe Work Practices
- ELEC 104 Rigging and Hoisting Equipment
- ELEC 105 Hand Tools
- ELEC 106 Portable Power Tools
- ELEC 107 Principles of Electricity
- ELEC 108 Electrical Circuits
- ELEC 109 Conductors & Raceways
- ELEC 110 Test Equipment
- ELEC 111 AC Motor Controls
- ELEC 112 Prints and Drawings
- ELEC 113 Canadian Electrical Code
- ELEC 114 Solid State Devices
- ELEC 115 Level One Technical Exam



### Tuition\*

Tuition for dual credit programs may be paid in part or fully by the school district. Secondary school students will be registered as an Okanagan College student and will be responsible to pay for books, tools, material and ancillary fees.

- Tuition: \$2,744.88
- Ancillary Fees: \$652.24
- Health and Dental: \$132.00 (can be waived if you have an existing plan)
- Textbooks: \$631.20 + 5% book tax
- Tools: Approx. \$415 (students must provide their own boots)

\*All program costs are approximate and subject to change without notice

### Program Schedule

**Program duration:** 24 weeks

**Start Date:** February 20, 2020

**End Date:** July 24, 2020

Monday to Thursday, 8 am to 3 pm  
Friday, 8 am to 11:45 am

### Location

**Penticton Campus**

583 Duncan Avenue West, Penticton, BC

### Student for a Day

Arrange your shop tour or Student for a Day experience by contacting your school Career Counselor.



## Credentials Received

Graduates of this program receive credit for Level One apprenticeship technical training and will be granted 350 hours practical credit by the Industry Training Authority. Secondary school students will be given credit towards Grade 12 graduation.

## Physical Requirements

- Lift and carry tools, equipment, supplies and materials weighing up to approximately 30 lbs.
- Lift, carry, hold and operate hand, air and power tools from below grade to above shoulders
- Stand on concrete, dirt, rock, asphalt, wood, etc. for extended periods of time
- Bend, stoop, kneel, crawl to perform electrical tasks
- Work in confined spaces and trenches
- Work in both indoor and outdoor venues, through all seasonal challenges
- Push/pull and carry electrical construction materials and troubleshooting equipment
- Climb extension ladders, and work on scaffolding at heights

## Recommendations for Success

- Good general health and respiratory condition
- Capable of doing physical work
- Physical strength and stamina compatible with the handling of heavy equipment and materials
- Ability to tolerate noise and vibration
- Balance and coordination to walk on uneven ground for up to 8 hours per day
- Good manual dexterity
- Good hand-eye coordination
- Satisfactory eyesight, line, form and depth perception
- Willing to work in team and individual environments



## Sponsorship Requirements for School District Students

- Attend "Student for a Day" at Okanagan College in the program of interest
- Complete the School District application package and hand it into your Career Programs Coordinator
- Successfully pass the School District entrance criteria for English and Math (ABLE Tests)
- Be on track to graduate with a Dogwood diploma
- Meet with parents and Career Coordinator to review program and school district expectations
- Okanagan College course requirements/admission requirements met for program
- Application approved and accepted by School District
- An interview may be required for potential applicants

## Focus on Safety

Okanagan College is committed to providing a safe learning environment for students. All students are responsible for:

- Knowing safe work procedures in classroom, shop, and work areas.
- Following the safety standards as taught by the instructor. These standards meet or exceed the regulatory requirements of the WorkSafe BC Occupational Health and Safety Regulation.

Failure to do so may result in suspension from the program. Each student is expected to report any unsafe condition or unsafe behavior to his/her instructor.

## CONTACTS:

Applications are available at your school Career Centre or [www.dualcredit23.com](http://www.dualcredit23.com)



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**Consider a challenging career in a diverse field that is growing due to technological changes!**