

Electrical Foundation

School District Dual Credit Program

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

ITA – 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



Fee

SD23 Pays:

- 2022-2023 Tuition: \$2912.88

Students Pays:

- Mandatory Fees \$894.66 includes: Activity fee, Health & Dental, Student Association fee, Education Technology fee, Development fee.
- Textbooks: \$631.20
- Tools: Approx. \$415 (students must provide their own boots)

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

Location

Kelowna Campus
1000 KLO Road

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
- Be on track to graduate with a Dogwood diploma
- Meet with 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

Bob Boback, Dual Credit Coordinator

Bob.Boback@sd23.bc.ca

Chris Ovelson, Apprenticeship Coordinator

Chris.Ovelson@sd23.bc.ca

Rochelle Schulz, Administrative Assistant

Rochelle.Schulz@sd23.bc.ca

