

INTRO TO CONSTRUCTION TRADES & ELECTRICAL FOUNDATIONS



Central Okanagan
Public Schools
Together We Learn



Consider a challenging career in a diverse field



This program provides graduates with the theory, practical skills and work experience to enter the Electrical trade and work on a multi-trade worksite. This 40-week program starts with an introduction to Construction trades, including Electrician, Carpenter, Sheet Metal, Plumbing, and Trades Math, followed by the Okanagan College Electrician Foundation program, including equivalent Level 1 apprenticeship technical training, along with an introduction to Level 2 Electrical theory, and a supported 3 week industry work placement with local employers.

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

Skilled Trades BC - www.skilledtradesbc.ca

Program Outline

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

TS Carpentry

TS Electrical

TS Plumbing & Piping Trades

TS Sheet Metal

ELEC 101 Trades Math

ELEC 102 Trades Science Concepts

ELEC 103 Safe Work Practices

ELEC 104 Rigging & 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 Controls and Lighting

ELEC 112 Prints & Drawings

ELEC 113 Canadian Electrical Code

ELEC 114 Solid State Devices

ELEC 115 Level One Technical Exam

Tuition

Tuition is paid for by the School District. Secondary school students will be registered as an OC student and will be responsible to pay for books, tools, material, and ancillary fees.

- Tuition: \$5,287 (SD23 pays)
- Student pays: \$200 deposit, goes toward student fee's (Student Fee's: \$858 includes medical and dental fee's)
- Textbooks: Approx. \$645.00 (student pays)
- Students must provide their own boots

*All program costs are approximate and subject to change without notice. Students can opt out of medical/dental if they are on their parents plan.

Program Schedule



Duration: 40 weeks

Spring Break: 1 week, TBA. Summer Break: TBA

Start Date: Semester 2

Monday - Friday, 8:30 am - 3:30 pm

2-week Electrical work experience practicum



Location

Graham Road Annex, 775 Graham Rd. (beside Quigley Elementary School) and OC Campus, Trades Training House and Electrical labs on KLO Road



Student for a Day

Arrange your Student for a Day experience by contacting your school Career Coordinator.

Credentials Received

Graduates of this program receive credit for Level 1 Construction Electrician technical training and will be granted 350 hours practical credit by SkilledTradesBC once they begin working as an apprentice.

Students will earn 44 elective credits (11 Grade 12 courses) towards graduation.

Physical Requirements

- Lift and carry tools, equipment, supplies and materials weight up to approximately 15 kg
- 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 a 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 SD23 Students

- Attend "Student for a Day" at the 775 Graham Rd campus
- 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 exemptions
- OC 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

OC 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 their instructor.

**Applications are available at your
School Career Centre or
www.dualcredit23.sd23.bc.ca**



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