



Electrical

at DW Poppy Secondary in partnership with BCIT
February to July

Students – Plan Ahead

For more information please see your School Counsellor or Career Advisor.

This program is offered in the second semester.

Contact: Erin N. B. Pacheco
District Teacher - Career Education
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Build Professional Industry Skills

- Plan, design, assemble, install, test and repair power equipment and systems
- Troubleshoot and maintain complex electrical systems for safe and efficient operation
- Work in residential, commercial, industrial and marine settings using advanced knowledge and practical skills

Prerequisites

- Registered in at least 3 courses within the Langley School District at the time of application
- Math 11 and Math 12 - Foundations or Pre-Calc (strongly recommended)
- Physics 11
- English 12
- Fully proficient in the English language
- Students must take the program before they graduate and must complete the program before turning 20 years of age to meet ITA age requirements
- Must meet BC Ministry of Education's "school age" requirements: on June 30, 2022 student must be 18 or younger to apply
- Intention to graduate with a Dogwood Diploma

Keys to Success

- Good attitude with motivation to succeed
- Able to do careful and exacting work
- Good manual dexterity
- Mature and able to meet jobsite expectations
- Able to interpret and follow complex instructions
- Able and determined to handle the math requirements of this challenging trade
- Able to handle the physical demands of electrical construction work
- Able to work with a variety of hand and power tools

Program Costs

Approximately **\$1100** covers the cost of textbooks, class supplies, scientific calculator, safety boots and glasses.

Program Savings

BCIT tuition is paid by the Langley School District for Langley students registered in this program. This cost of this training program at BCIT is approximately \$3,000.

Students requiring financial assistance may be eligible for a partial bursary. Please see your school contact for further information.

Sample Student Timetable

Second Semester

BCIT

Available to
Grade 12
Students only

Credits & Credentials Earned

- ITA Certificate of Completion Electrical Foundation
- BCIT Electrical Trade Foundation Certificate
- 24 credits (6 courses) of secondary school graduation credit

How to apply:

- See your school's Career Advisor
- Complete an application in full and return by the deadline.
- Interviews will be held in May
- Students will be advised of their acceptance status by late May in time to register at DW Poppy for the following school year

Future steps to become a certified **RED SEAL** Construction Electrician

- Completion of Level 2
- Completion of Level 3
- Completion of Level 4
- Accumulation of a total 6,000 work-based training hours
- ITA Standardized Written Exam
- Interprovincial Red Seal Exam

Electrical Foundation Program

Grade 12 Students Only

February – July

Semester 1

- September - January
- Home school or DW Poppy Secondary School taking: Math 12 - Foundations or Pre-Calculus (strongly recommended), Physics 11, English 12, Elective

Semester 2

- February - July
- DW Poppy Secondary, BCIT Satellite Campus (please note students follow BCIT timetable therefore do **not** get Spring Break)

BCIT
Level 1
Courses
Taken

- **ELECTRICAL FOUNDATIONS PROGRAM**
- Applied Mechanics; Properties of Magnetism; Fundamentals of Electricity; Wiring Methods Part A; AC Circuit; Wiring Methods Part B; Electronic Devices; Code, Plans & Specs; Basic Motor Control; Computer Skills/Job Prep

"As soon as you're out of the program, your colleagues at school are still just graduating and you've got your first year done."

*"It's like a stepping-stone to your career."
Electrical Program Students*

Please visit <https://www.bcit.ca/study/programs/1780cert> for more information.

Frequently Asked Questions

Visit the Career Education website for frequently asked questions at careered.sd35.bc.ca