

# Want to be an... **INDUSTRIAL ELECTRICIAN** ?

## **WHAT DOES AN INDUSTRIAL ELECTRICIAN DO?**

Industrial Electrician means a person who inspects, installs, tests, troubleshoots, repairs, and services industrial electrical equipment and associated electrical and electronic controls. Service includes calibration and preventive/predictive maintenance. Industrial electricians are typically employed by maintenance departments of plants, mines, smelters, oil and gas rigs as well as platforms, mills, shipyards, factories and other industrial establishments. In addition, some industrial electricians are employed by electrical contractors that provide industrial maintenance and service expertise.



it's  
my  
life!

## **SIGN UP FOR A COURSE:**

The institution based component of the program is delivered by post secondary institutions. See [www.educationplanner.bc.ca](http://www.educationplanner.bc.ca) under apprenticeship for a list of schools, private training institutions and secondary schools that have been approved by ITA.

## **HOW TO REGISTER AS AN APPRENTICE:**

You can register as an apprentice through the ITA website at [www.itabc.ca](http://www.itabc.ca). You will find the forms under the Apprentices and Trainee Section.

## **PROGRAM CHALLENGE REQUIREMENTS/PRIOR LEARNING ASSESSMENT:**

For more information select your trade on ITA's website [www.itabc.ca](http://www.itabc.ca) under the BC and Red Seal Trade Programs section or email us at [info@rtobc.com](mailto:info@rtobc.com).



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## ABOUT THE PROGRAM:

The competency-based program, which includes an extensive assessment of practical skills in the workplace, is an exciting and innovative approach for electricians who work directly in heavy industries such as solid wood, pulp & paper, oil & gas, mining, and shipbuilding and marine repair, as well as in specialized manufacturing, processing and service companies throughout British Columbia.

## CAREER OUTLOOK:

Across the province, employer demand for industrial electricians is high and this program will help meet on going needs for qualified employees. It also provides prospective apprentices with another trade classification in which to pursue a career.

## PROGRAM PREREQUISITES:

Recommended Education – Grade 12 or equivalent education including English 12, Mathematics 12 & Physics 11.

## PROGRAM DURATION & STRUCTURE:

This Program Outline contains the set of industry defined competency standards against which Apprentice Industrial Electricians are to be assessed as they learn the knowledge and skills through their apprenticeship. The program contains two distinct types of competency standards:

### Theory Competency Standards are:

- Typically achieved in post secondary settings
- Assessed in the post secondary (classroom) setting

### Workplace Competency Standards are:

- Typically achieved on the job
- Assessed on the job by workplace assessors
- Workplace assessors are certified by Industry Training Authority (ITA)

For more information on workplace assessors visit [www.rtobc.com](http://www.rtobc.com) and look under Industrial Electrician in the Apprenticeship and Training Programs section.

Program completion requires achievement of the required workplace competency standards as documented by a Workplace Log Book as well as successful completion of four periods of technical training and six thousand documented hours (four years) of industrial electrical work experience.

Program Completion results in the award of a BC Certificate of Qualification: Industrial Electrician, a Certificate of Completion: Apprenticeship and, with a passing mark on the Inter-Provincial Examination (written in the Apprentice's fourth and final year) as well as six thousand hours of documented work experience – the Industrial Electrical Red Seal Endorsement.

