



Industrial Electrician



EAST COAST TRADES COLLEGE

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls.



East Coast Trades College

www.eastcoasttrades.com

What type of work do Industrial Electricians do?

- Read and interpret drawings, blueprints, schematics and electrical code specifications to determine layout of industrial electrical equipment installations.
- Install, examine, replace or repair electrical wiring, receptacles, switch boxes, conduits, feeders, fibre-optic and coaxial cable assemblies, lighting fixtures and other electrical components.
- Test electrical and electronic equipment and components for continuity, current voltage and resistance.
- Maintain, repair, install and test switchgear, transformers, switchboard meters, regulators and reactors.
- Maintain, repair, test and install electrical motors, generators, alternators, industrial storage batteries and hydraulic and pneumatic electrical control systems.
- Troubleshoot, maintain and repair industrial, electrical and electronic control systems and other related devices.
- Conduct preventive maintenance programs and keep maintenance records.
- May install, maintain and calibrate industrial instrumentation and related devices.

What types of jobs can I obtain after completing this program?

- Apprentice industrial electrician
- Apprentice marine electrician
- Diesel electrician -railway
- Electric signal repairer - railway
- Electrical repairer - crane maintenance
- Electrician -rail transport
- Industrial electrician apprentice
- Industrial electrician
- Industrial electrician lead hand
- Journeyman/woman industrial electrician
- Machine shop electrical repairer
- These are just a few of the many jobs that you could obtain, please refer to the National Occupational Classification for more job titles.

***All information provided in brochures are subject to change. Please verify with College for exact costs or changes to course outline.**

Course Outline:

- Safety
- Tools & Equipment
- Access Equipment
- Hoisting, Lifting and Rigging
- Support Components
- Communications and Trade Documentation
- Mentoring I
- Drawings, Schematics and Specifications I
- Worksite Preparation and Organization
- DC Theory
- DC Circuits
- Single-Phase AC Theory
- Single-Phase AC Circuits I
- Introduction to the Canadian Electrical Code
- Grounding and Bonding I
- Single Phase Services
- Single Phase Power Distribution Equipment
- Conductors and Cables
- Raceways
- Boxes and Enclosures
- Wiring Devices
- Luminaries and Lighting Controls
- Introduction to Communication Systems

What are the employment requirements for working in this trade?

- Completion of secondary school is usually required.
- Completion of a four- to five year Industrial Electrician apprenticeship program or a combination of over five years of work experience in the trade and some high school, college or industry courses in industrial electrical equipment is usually required to be eligible for trade certification.
- Trade certification for industrial electricians is compulsory in Prince Edward Island, Quebec and Manitoba and available but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario, British Columbia and the Yukon.
- Additional construction electrician certification may be required for industrial electricians when the employers are not owners of the industrial electrical equipment.
- Red Seal endorsement is also available to qualified industrial electricians upon successful completion of the inter provincial Red Seal examination.

Where can Industrial Electricians be employed?

They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments.





How Our Program Works.

This 32 week program provides 3 weeks in class of essential skills and safety training. After that you are only in class 2 days per week the other 3 days you are getting hands-on experience right out in Industry working side by side with a licensed technician.

"Where Education & Industry Come Together"
(506)454-0867

Tuition Referral Rebate:

Apply, get accepted, refer a friend to any one of our programs, you both graduate on Graduation Night you will receive \$500 Tuition Rebate.....

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