INDUSTRIAL ELECTRICIAN

Working as an industrial electrician in manufacturing is a well-paid career and the demand is currently very high for electrician apprentices and journeypersons. An Industrial Electrician lays out, inspects, assembles, installs, troubleshoots, repairs and maintains (including programming, calibration and preventive/predictive maintenance) electrical fixtures, apparatus, control equipment and wiring for industrial electrical systems, as well as equipment and systems such as motors, generators, distribution equipment systems, wiring systems, lighting systems, motor drives, stand-by power systems, instrumentation, communication, security, renewable energy and energy storage systems.

The WILWorks Skilled Trades - Industrial Electrician Program will provide hands-on practical experience and theoretical experience for you to decide if this career is well suited for you! You'll have a jump start on understanding electrical concepts, electronic computer controls, electrical motor controls as you explore this career through the WILWorks Skilled Trades Program.

Skills

- Collaboration
- Attention to Detail
- Problem Solving
- Communication
- Critical Thinking
- Creativity
- Digital Literacy

Key Duties

- Uses hand tools, power tools and testing equipment.
- Plans installations from blueprints, sketches and specifications and installs all electrical and electronic devices.
- Systematically diagnoses faults in electrical and electronic systems and equipment and repairs or replaces electrical and electronic components as required.
- Measures, cuts, threads, bends, assembles and installs conduits and other electrical conductor raceways.
- Splices and terminates electrical conductors.
- Tests electrical and electronic equipment for proper function.

Wages

Industrial Electricians usually earn between $25/hour and $48/hour in Canada

Employment Requirements

Completion of a four- or five-year industrial electrician apprenticeship program; an EMC Advancement Coach will provide guidance on career pathways. Industrial Electrician is a Red Seal Trade, meaning you are licensed to seek employment across Canada.

Funded by the Government of Canada's Skilled Trades Awareness and Readiness Program