

**OCCUPATION
HIGHLIGHTS**

#4 OCCUPATION IN THE
MANUFACTURING
SECTOR
(5% of all jobs in the sector)

Number of jobs 2017
201

CHANGE IN # OF JOBS
2016 - 2017
↓ 10%

Median Earnings (2017)
\$33.91/hr

Earnings Range (2017)
\$27.74/hr → \$38.27/hr

Aging Workforce
45% Over the age of 45

Gender

6% Female 94% Male

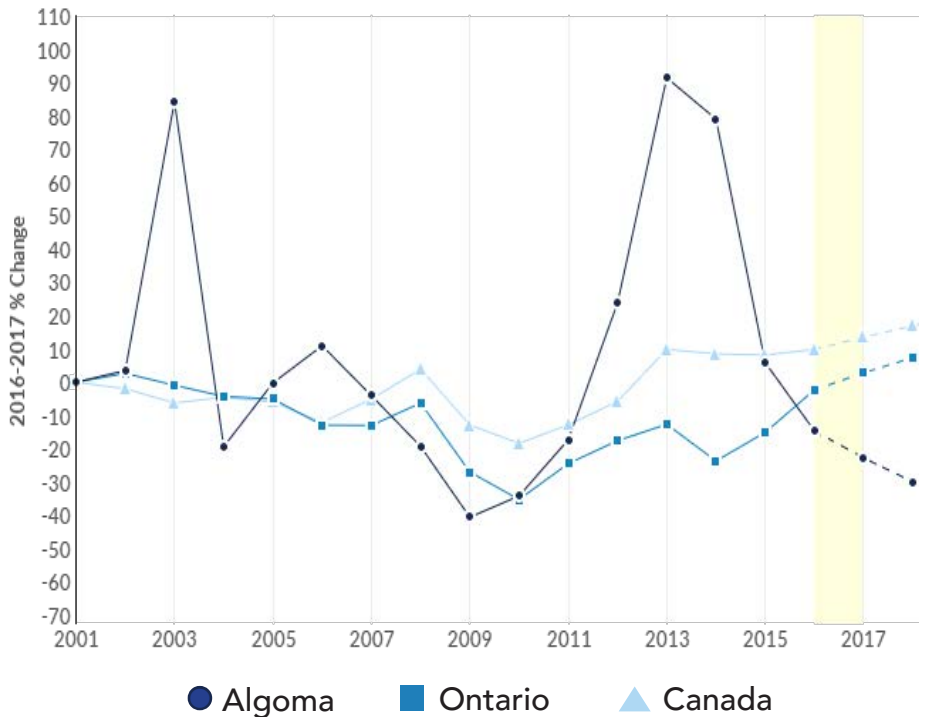
INDUSTRIAL ELECTRICIAN

NOC 7242

Industrial Electrician

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments.

Employment Trends



REGION	2016 JOBS	2017 JOBS	CHANGE	% CHANGE 2016 - 2017	MEDIAN HOURLY EARNINGS
Algoma	222	201	-21	-10%	\$33.91
Ontario	12,146	12,780	634	5%	\$33.00
Canada	31,475	32,537	1,062	3%	\$34.21

Job Titles

- Electrician
- Industrial electrician
- Marine electrician
- Mill Electrician
- Plant maintenance electrician

INDUSTRIES OF EMPLOYMENT	
IRON AND STEEL MILLS AND FERRO-ALLOY MANUFACTURING	59%
RAIL TRANSPORTATION	9%
STEEL PRODUCT MANUFACTURING FROM PURCHASED STEEL	5%
VENEER, PLYWOOD AND ENGINEERED WOOD PRODUCT MANUFACTURING	4%
NON-FERROUS METAL (EXCEPT ALUMINIUM) PRODUCTION AND PROCESSING	4%

What Are The Typical Job Duties?

- 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 instrumental and related devices

Campus Based Courses Available In Algoma

- Electrical Engineering Technician - Power Generation (Sault College)
- Electrical Engineering Technician - Process Automation (Sault College)
- Electrical Engineering Technician - Process Automation and Trades (Sault College)
- Pre Trades & Technology (Sault College)

Industrial Electricians In Algoma

REGION	2016 JOBS	2017 JOBS	2016 - 2017 CHANGE	2016 - 2017 % CHANGE
Sault Ste. Marie	174	157	-17	-10%
Hornepayne	17	16	-1	-6%
Blind River	11	10	-1	-9%