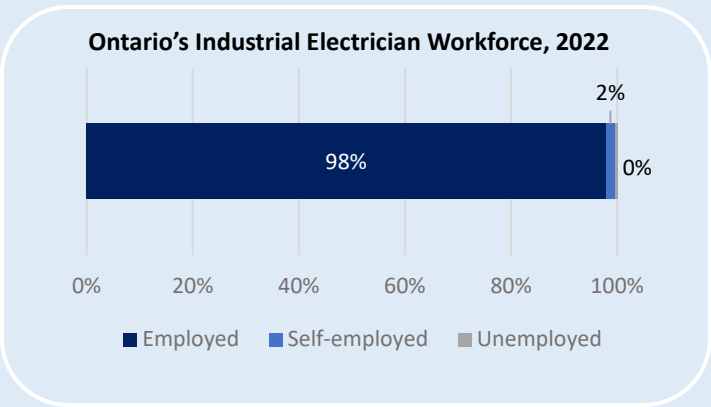


Industrial Electrician (442A)

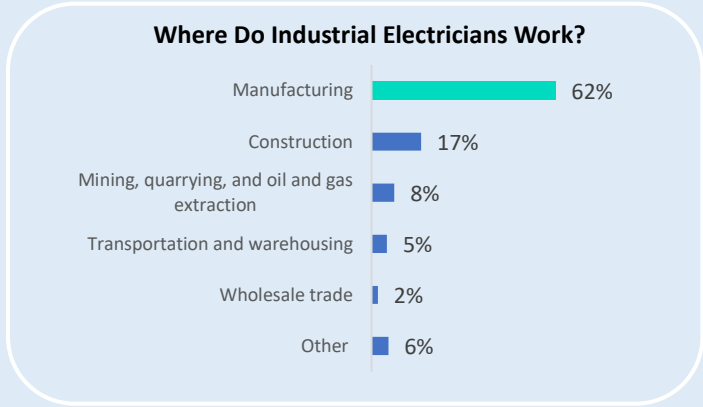


Industrial Electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. For additional information regarding this trade, see the trade's [scope of practice](#), as outlined in Ontario Regulation 875/21.

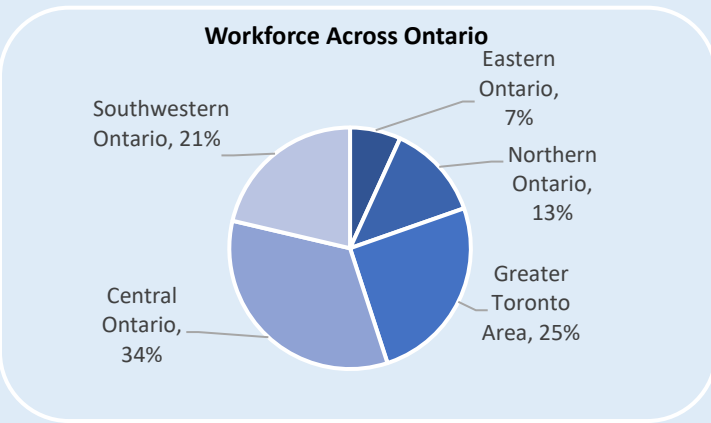
WORKFORCE PROFILE



Source: Labour Force Survey – Based on 17,700 Respondents



Source: 2021 Census



Source: 2021 Census

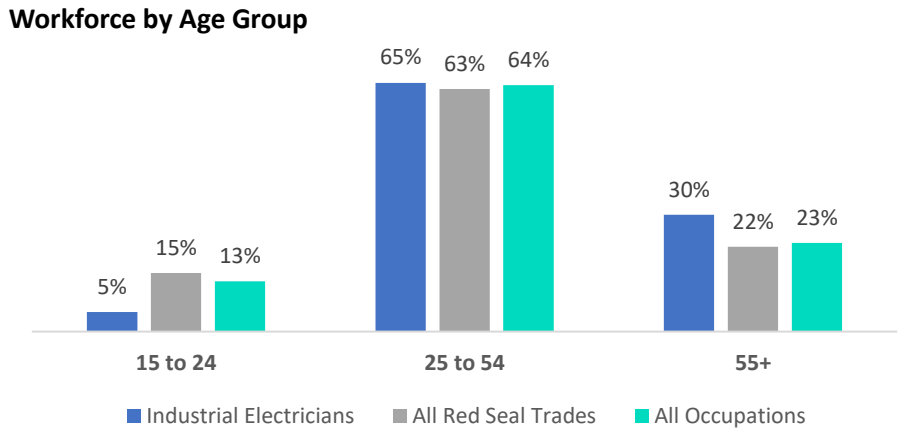


Source: STO Operations Database

AGE PROFILE






Industrial Electricians have an older age demographic compared to other Red Seal trades but are younger than the overall workforce.

Nearly a third (30%) of Industrial Electricians are nearing the age of retirement (age 55 or over).



Source: 2021 Census

WORKFORCE DEMOGRAPHICS

		Industrial Electrician	Change from 2016	All Red Seal Trades
Women+		1.5%	-0.6%	13.8%
Immigrants		26.5%	-3.1%	26.2%
Racial Minorities		16.6%	+1.0%	23.3%
Indigenous Peoples		3.2%	+0.5%	3.7%
People with Disabilities		12.1%	+0.5%	13.5%

Source: 2016 Census, 2021 Census

EDUCATION PATHWAY

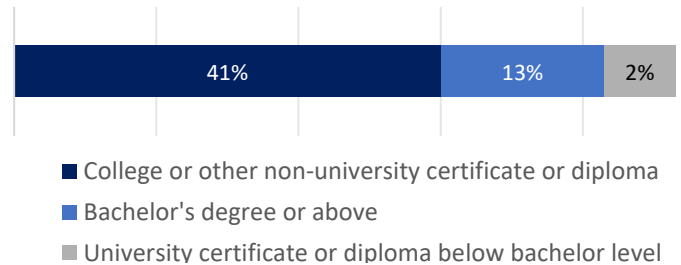
Industrial Electrician is a non-compulsory trade in Ontario, which does not require certification or registration as an apprentice to practice within the province.

A grade 12 education is required to qualify for an apprenticeship.

The apprenticeship program is approximately five years, consisting of 8,160 hours of on-the-job work experience and 3 levels of in-school training.¹

Source: 2021 Census

Share of Workforce with Postsecondary Credential



In addition to holding a Certificate of Qualification, more than half of Industrial Electricians also hold a postsecondary credential.

INCOME

\$35.12 - \$42.31

Hourly Wage Range²

Source: Workforce Planning Ontario. (2023). Labour Market Insights Report: Job Posting Data January to December 2022

\$68,484 - \$82,504

Annual Salary Range²

Source: Workforce Planning Ontario. (2023). Labour Market Insights Report: Job Posting Data January to December 2022

¹ The Updated Electrical Trades' Curriculum Standard will add a level of in-school training and the new curriculum will start to be phased in September 2024.

² Hourly/annual figures can vary based on different factors including location, other certifications and work experience. In Ontario, employers, unions, and organizations may offer benefits such as: Health Insurance, Retirement Plans, Dental Insurance and Training Programs, among others. **Please refer to the FAQs for additional information and definitions.**

The information in this report applies to trades/occupations with the National Occupational Code 72201:

442A Industrial Electrician.

V2022

