

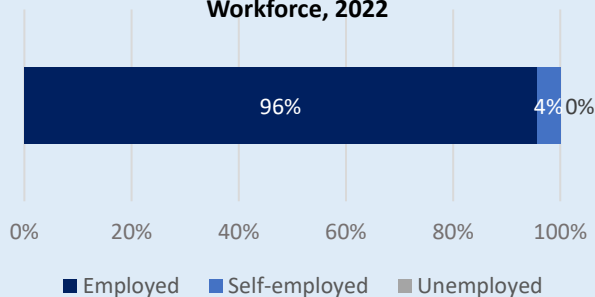
Ironworker – Structural and Ornamental (420A)



Ironworkers – Structural and Ornamental¹ – fabricate and install both structural and ornamental steel and iron works and components, as well as precast structural concrete members and laminated timber products in all buildings and structures including but not limited to residential, commercial, industrial, institutional buildings, towers, bridges, and stadiums. For additional information regarding this trade, see the trade's [scope of practice](#), as outlined in Ontario Regulation 875/21.

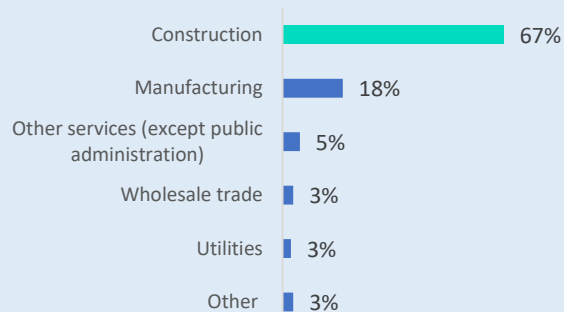
WORKFORCE PROFILE

Ontario's Ironworker – Structural and Ornamental Workforce, 2022



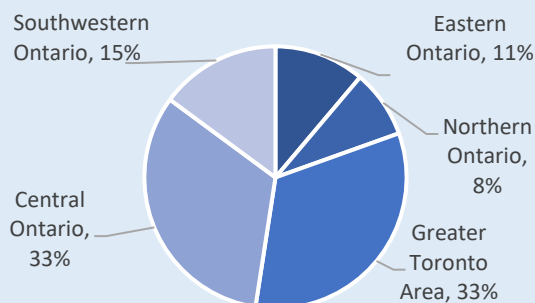
Source: Labour Force Survey – Based on 3,600 Respondents

Where Do Ironworkers – Structural and Ornamental Work?



Source: 2021 Census

Workforce Across Ontario



Source: 2021 Census

Ironworker – Structural and Ornamental (420A) Number of Certificates of Qualification Issued, 2022

138

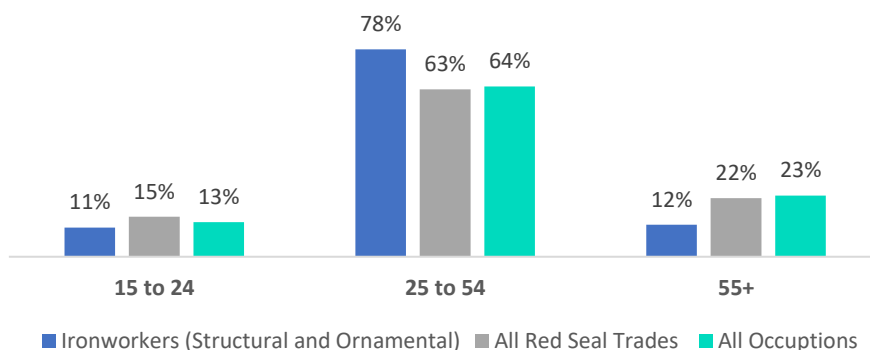
Source: STO Operations Database

AGE PROFILE

Ironworkers – Structural and Ornamental have a higher share of core-aged workers (age 25 to 54) compared to other Red Seal trades.






12% of Ironworkers – Structural and Ornamental are nearing the age of retirement (age 55 or over). This figure is notably below the share across all Red Seal trades.

Workforce by Age Group



Source: 2021 Census

WORKFORCE DEMOGRAPHICS

		Ironworker – Structural and Ornamental	Change from 2016	All Red Seal Trades
Women+		1.7%	+0.2%	13.8%
Immigrants		14.0%	+1.3%	26.2%
Racial Minorities		13.9%	+3.4%	23.3%
Indigenous Peoples		6.6%	+0.1%	3.7%
People with Disabilities		11.8%	+1.8%	13.5%

Source: 2016 Census, 2021 Census

EDUCATION PATHWAY

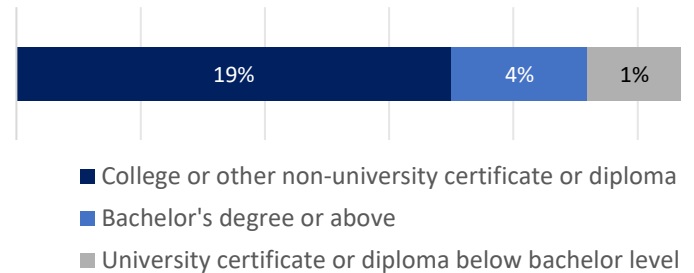
Ironworker – Structural and Ornamental is a non-compulsory trade in Ontario, which does not require certification or registration as an apprentice to practice within the province.

A grade 10 education is required to qualify for an apprenticeship.

The apprenticeship program is approximately three and a half years, consisting of 5,280 hours of on-the-job work experience and 3 levels of in-school training.

Source: 2021 Census

Share of Workforce with Postsecondary Credential



In addition to holding a Certificate of Qualification, approximately a fifth of Ironworkers – Structural and Ornamental also hold a postsecondary credential.

INCOME

\$30.00 - \$48.66

Hourly Wage Range²

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

\$58,500 - \$94,886

Annual Salary Range²

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

¹ The information in this profile is applicable to all Ironworkers (NOC 72105), which include both the Ironworker – Generalist (420B) and Reinforcing Rodworker (452A) trades.

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.

