



*Your Local Employment Planning Council*

# Occupation Report

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## **Welders and related machine operators NOC 7237**

**Ottawa, Ontario, & Canada (2014-2019)**  
3-year historical data & forecasted growth

*Updated July 2017*

## Welders and related machine operators

## Ottawa Outlook

NOC 7237

Limited ★ Fair ★★ Good ★★★

Based on past and forecasted growth.

### A Local Snapshot

- Employment in this occupation **increased in Ottawa from 2014 to 2016 (37.6%)**; it is forecast to **grow an additional 11.9%** over the next three years.
- **Less than 5** were **unemployed in Ottawa in 2011**; **35 (2.4%)** of those in this occupation are **self-employed**.
- **Median hourly wage** for this occupation was **\$21.79**.
- **12.2%** of the 2016 jobs were in the **Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance** industry sector.
- Ottawa has a **significantly lower share of this occupation** than the nation.
- **Provincially**, this occupation showed a net increase from 2014 to 2016 (**11.3%**); it is expected to grow over the next three years (**7.1%**).
- In contrast to Ottawa Employment Hub's forecast ranking for this occupation, *Canada Job Bank* forecasted **fair** employment potential for this occupation in Ottawa from 2016-2018.

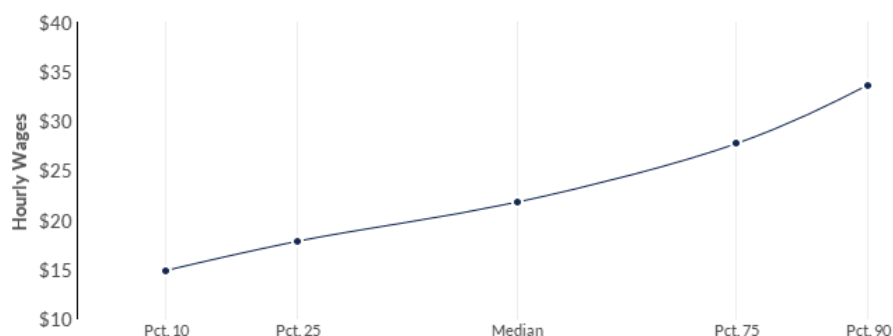
### Overview

<b>Ottawa Jobs (2016)</b>	<b>1,482</b> (2% self-employed = 35)		
<b>2011 Ottawa Unemployment Rate</b>	<b>0.0%</b>	Ontario	<b>7.9%</b>
<b>Location Quotient to Nation (2016)</b>	<b>0.48</b>		
<b>Change in Jobs (2014 - 2016)</b>	<b>37.6%</b>	(2016 - 2019)	<b>11.9%</b>

*NOTE: Location quotient (LQ) is a way of quantifying how concentrated a particular occupation is in a region compared to the nation or province. A quotient of 1.00 means Ottawa has the same share of the occupation as the nation/province. A quotient higher than 1.00 means Ottawa has a greater share, and lower than 1.00 means Ottawa's share is lower than the average.*

### OTTAWA | Percentile Earnings (not including self-employed)

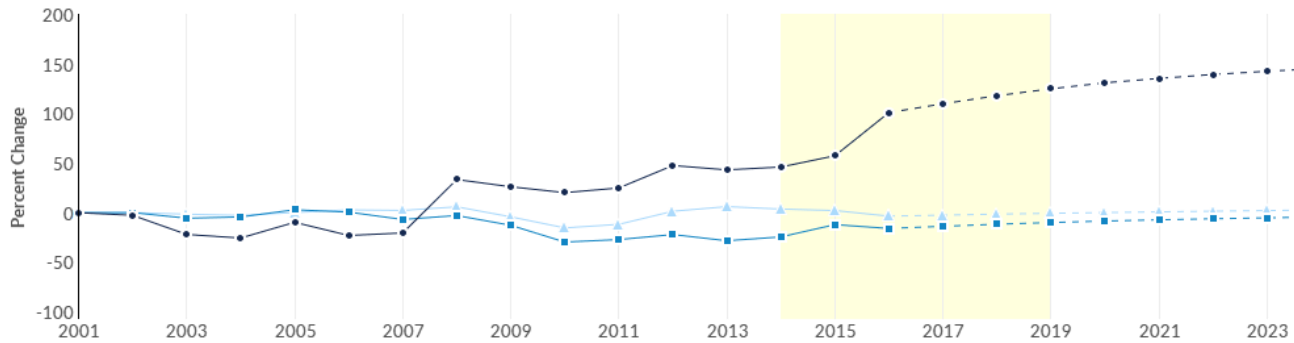
<b>\$17.83/hr</b> 25th Percentile Earnings	<b>\$21.79/hr</b> Median Earnings	<b>\$27.73/hr</b> 75th Percentile Earnings
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### Ottawa | Growth

<b>1,077</b> 2014 Jobs	<b>1,659</b> 2019 Jobs	<b>582</b> Change (2014-2019)	<b>54.0%</b> % Change (2014-2019)
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## Regional Trends



	Region	2014 Jobs	2019 Jobs	Change	% Change
●	Ottawa	1,077	1,659	582	54.0%
■	Ontario	26,391	31,457	5,066	19.2%
▲	Canada	104,376	100,089	-4,287	-4.1%

	Ottawa	Ontario	Canada
2014 Jobs	1,077	26,391	104,376
2015 Jobs	1,160	30,716	102,883
2016 Jobs	1,482	29,371	97,199
2017 Jobs	1,547	30,133	98,193
2018 Jobs	1,607	30,857	99,261
2019 Jobs	1,659	31,457	100,089

## Ottawa | Industries Employing this Occupation

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	181	12.2%	35.5%
Architectural and structural metals manufacturing	145	9.8%	16.9%
Foundation, structure, and building exterior contractors	94	6.3%	2.1%
Building equipment contractors	94	6.3%	1.0%
Other transportation equipment manufacturing	61	4.1%	13.8%

*NOTE: Inverse staffing patterns provides a table of percentages that shows how regional occupations are divided up among regional industries. For example, an inverse staffing pattern for registered nurses may show that 70% of RNs are employed by hospitals, 10% by local government (i.e., public schools), 10% by nursing homes, and 10% by offices of physicians.*

## Educational programs and completions in Ottawa (public institutions only)

1 Programs (2014)		67 Completions (2014)
CIP Code	Program	Completions (2014)
48.05	Precision metal working	67

*NOTE: EMSI Analyst uses Statistics Canada's PSIS data to compile completions for postsecondary programs offered in Canada, classified by the 2011 CIP codes. 2014 data includes those who graduated in spring 2015.*

## Other Considerations

**LICENSURE/OTHER REQUIREMENTS FOR ONTARIO:** None required (**not** a regulated profession)

*NOTE: Workers in regulated occupations require a licence to work legally. Workers in non-regulated occupations do not require a licence, but employers may have other certification requirements.*

**CANADIAN LANGUAGE BENCHMARKS:** N/A

## Links to Additional Occupational Information

**Ontario Job Futures** – *not available for this occupation*

[GOC Job Bank](#) – Cites outlook information for Ottawa, as well as Ontario and Canada; also shows job postings and wage information for Ottawa.

[Statistics Canada - Occupation information for NOC 7237](#)

**Ontario Skills Passport - Skills profile for Welders and related machine operators** – *not available for this occupation*

## About EMSI Occupational data

Economic Modeling Specialists Inc. (EMSI) amalgamates information from several data sources in order to produce its occupation counts:

- Canadian Business Patterns (CBP) – *Updated December 2016*
- Census – *2006 and 2011*
- Survey of Employment, Payrolls and Hours (SEPH) – *Updated monthly*
- Labour Force Survey (LFS) – *Updated monthly*
- Canadian Occupational Projection System (COPS) – *Latest projections cover 2014-2024*
- Demographic CANSIM tables – *Various updates*
- Postsecondary Student Information System (PSIS) - *Updated annually; 2014/15 data available now*

Information from these sources is combined into a dataset that is updated twice annually by EMSI; the latest release came in the Spring of 2017 and these reports reflect actuals and projections based on that data. Detailed occupation data is based primarily on industry staffing patterns collected by the SEPH, which surveys businesses and is considered more reliable than the LFS, which surveys individuals.

**NOTE:** In 2016, EMSI Analyst switched from the NOC-S 2006 occupation classification system to the NOC 2011 occupation classification system. Some occupation titles and groupings have been modified slightly as a result; all historical data has been adjusted to match the NOC 2011 classification system.

*Should you have any further questions about the data in this report, please contact **Ottawa Employment Hub** at 613-727-4723 X6873 or [info@OttawaEmploymentHub.ca](mailto:info@OttawaEmploymentHub.ca).*