

Occupation Overview

Emsi Q3 2018 Data Set

August 2018

PO Box 5311
Martinsville, Virginia 24112
276-224-4230

Parameters

Occupations

Code	Description
51-4121	Welders, Cutters, Solderers, and Brazers

Regions

Code	Description
51089	Henry County, VA
51141	Patrick County, VA
51690	Martinsville City County, VA

Timeframe

2016 - 2024

Datarun

2018.3 - QCEW Employees

Welders, Cutters, Solderers, and Brazers in 3 Virginia Counties

Welders, Cutters, Solderers, and Brazers (SOC 51-4121):

Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Sample of Reported Job Titles:

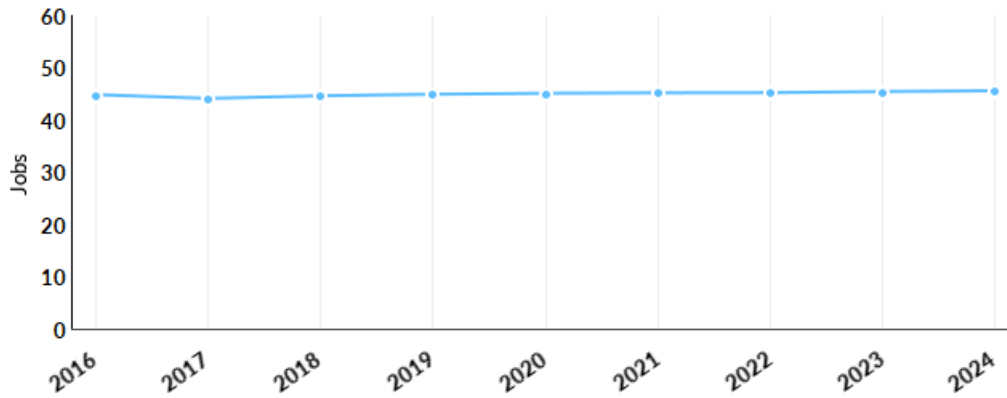
- Maintenance Welder
 - Aluminum Welder
 - Welder Fabricator
 - Production Welder
 - Welding Technician
 - Wirer
 - Solderer
 - Refrigeration Specialist
 - Refrigeration Brazer/Solderer
 - Production Technician
- Related O*NET Occupations:**
Welders, Cutters, and Welder Fitters (51-4121.06)
Solderers and Brazers (51-4121.07)

Occupation Summary for Welders, Cutters, Solderers, and Brazers

45 Jobs (2016) 44% below National average	+2.2% % Change (2016-2024) Nation: +7.4%	\$17.70/hr Median Hourly Earnings Nation: \$19.35/hr
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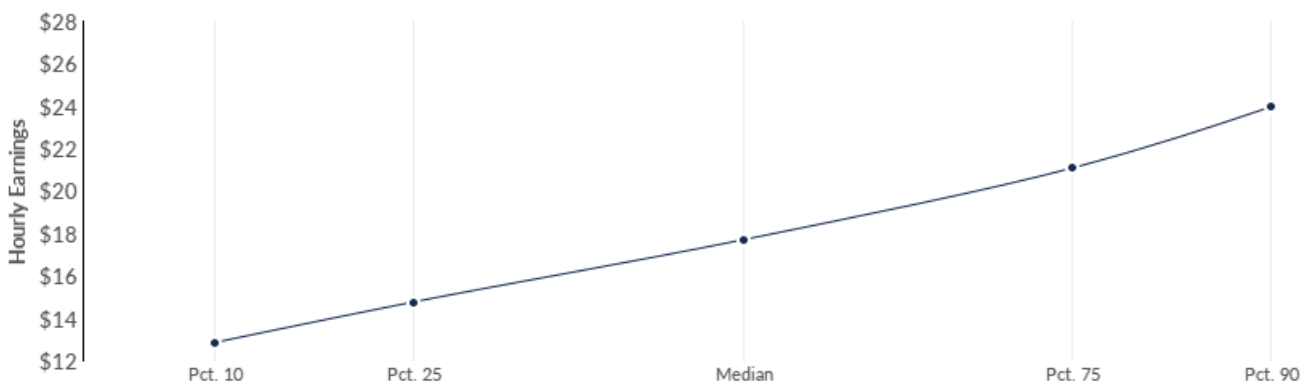
Growth for Welders, Cutters, Solderers, and Brazers (51-4121)

45 2016 Jobs	46 2024 Jobs	1 Change (2016-2024)	2.2% % Change (2016-2024)
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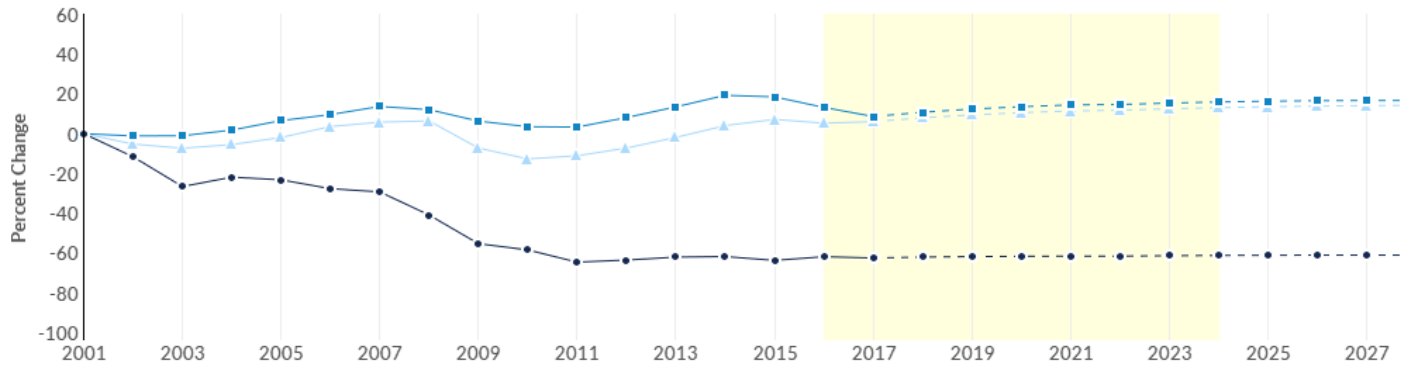


Percentile Earnings for Welders, Cutters, Solderers, and Brazers (51-4121)

\$14.76/hr 25th Percentile Earnings	\$17.70/hr Median Earnings	\$21.09/hr 75th Percentile Earnings
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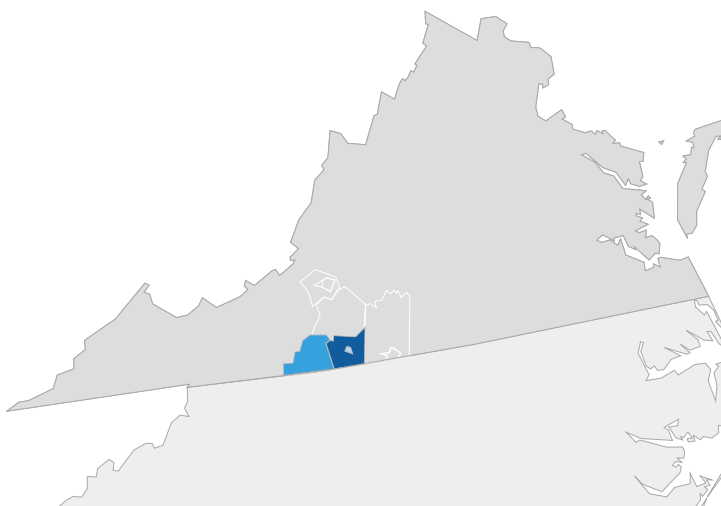


Regional Trends




Region	2016 Jobs	2024 Jobs	Change	% Change
● Region	45	46	1	2.2%
■ State	7,788	7,975	187	2.4%
▲ Nation	375,434	403,190	27,756	7.4%

Regional Breakdown



County	2024 Jobs
Henry County, VA	31
Patrick County, VA	<10
Martinsville City County, VA	<10

Job Postings Summary

<p>19 Unique Postings 62 Total Postings</p>	<p>3 : 1 Posting Intensity  Regional Average: 3 : 1</p>	<p>33 days Median Posting Duration Regional Average: 23 days</p>
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There were 62 total job postings for your selection from September 2016 to July 2018, of which 19 were unique. These numbers give us a Posting Intensity of 3-to-1, meaning that for every 3 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (3-to-1), indicating that they are putting average effort toward hiring for this position.

Job Postings vs. Hires

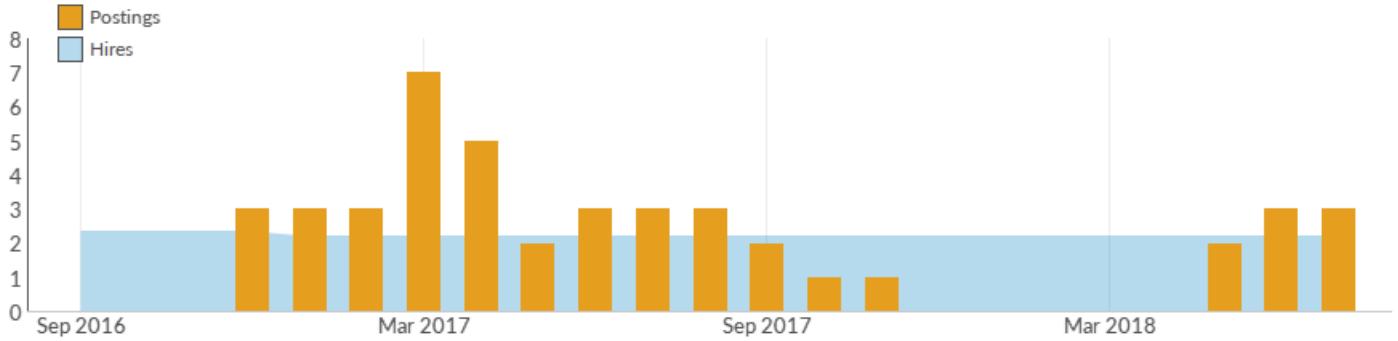
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Avg. Monthly Postings (Sep 2016 - Jul 2018)

2

Avg. Monthly Hires (Sep 2016 - Jul 2018)

In an average month, there were 2 unique job postings for *Welders, Cutters, Solderers, and Brazers*, and 2 actually hired. This means there was approximately 1 hire for every 1 unique job posting *Welders, Cutters, Solderers, and Brazers*.



Occupation	Avg Monthly Postings (Sep 2016 - Jul 2018)	Avg Monthly Hires (Sep 2016 - Jul 2018)
Welders, Cutters, Solderers, and Brazers	2	2

Occupation Gender Breakdown



Gender	2017 Jobs	2017 Percent
● Males	41	93.8%
● Females	3	6.2%

Occupation Age Breakdown



Age	2017 Jobs	2017 Percent
14-18	0	0.1%
19-24	4	9.0%
25-34	9	19.5%
35-44	9	21.4%
45-54	12	27.3%
55-64	8	19.2%
65+	2	3.5%

Occupation Race/Ethnicity Breakdown



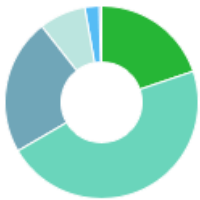
Race/Ethnicity	2017 Jobs	2017 Percent
White	34	76.3%
Black or African American	7	16.8%
Hispanic or Latino	3	5.9%
Asian	0	0.5%
Two or More Races	0	0.4%
American Indian or Alaska Native	0	0.2%
Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

1 Programs (2017)	37 Completions (2017)	5 Openings (2017)
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CIP Code	Program	Completions (2017)
48.0508	Welding Technology/Welder	37

National Educational Attainment



Education Level	2017 Percent
Less than high school diploma	19.8%
High school diploma or equivalent	46.8%
Some college, no degree	22.8%
Associate's degree	7.8%
Bachelor's degree	2.4%
Master's degree	0.3%
Doctoral or professional degree	0.1%

Industries Employing Welders, Cutters, Solderers, and Brazers

Industry	Occupation Jobs in Industry (2017)	% of Occupation in Industry (2017)	% of Total Jobs in Industry (2017)
Machine Shops	<10	15.6%	4.0%
Nonupholstered Wood Household Furniture Manufacturing	<10	11.8%	0.7%
Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	<10	7.8%	4.8%
Motor and Generator Manufacturing	<10	6.8%	1.1%
Temporary Help Services	<10	6.3%	0.3%

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

State Data Sources

This report uses state data from the following agencies: North Carolina Department of Commerce, Labor and Economic Analysis Division; Virginia Employment Commission, Economic Information Services