

Occupation Overview

Emsi Q1 2017 Data Set

April 2017

Western Technical College



400 Seventh Street
La Crosse, Wisconsin 54601
608.785.9200

Parameters

Occupations

Code	Description
51-4121	Welders, Cutters, Solderers, and Brazers
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders

Regions

Code	Description
55011	Buffalo County, WI
55023	Crawford County, WI
55053	Jackson County, WI
55057	Juneau County, WI
55063	La Crosse County, WI
55081	Monroe County, WI
55121	Trempealeau County, WI
55123	Vernon County, WI

Timeframe

2018 - 2022

Datarun

2017.1 – Employees

Welding 2017 (AED) in Western Technical College District

SOC	Description	2018 Jobs	2022 Jobs	2018 - 2022 Change	2018 - 2022 % Change	2018 - 2022 Openings	Annual Openings	Median Hourly Earnings
51-4121	Welders, Cutters, Solderers, and Brazers	1,063	1,094	31	3%	173	43	\$19.24
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	129	128	(1)	(1%)	20	5	\$17.28
		1,192	1,222	30	3%	193	48	\$19.02

Occupation Summary for Welding 2015 (AED)

1,158 Jobs (2016) 168% above National average	2.5% % Change (2018-2022) Nation: 3.1%	\$19.02/hr Median Hourly Earnings Nation: \$18.64/hr
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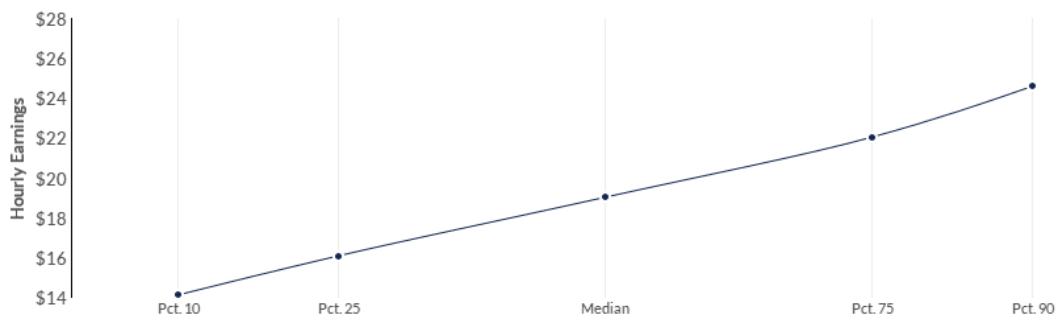
Growth

1,192 2018 Jobs	1,222 2022 Jobs	30 Change (2018-2022)	2.5% % Change (2018-2022)
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Occupation	2018 Jobs	2022 Jobs	Change	% Change
Welders, Cutters, Solderers, and Brazers (51-4121)	1,063	1,094	31	3%
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	129	128	-1	-1%

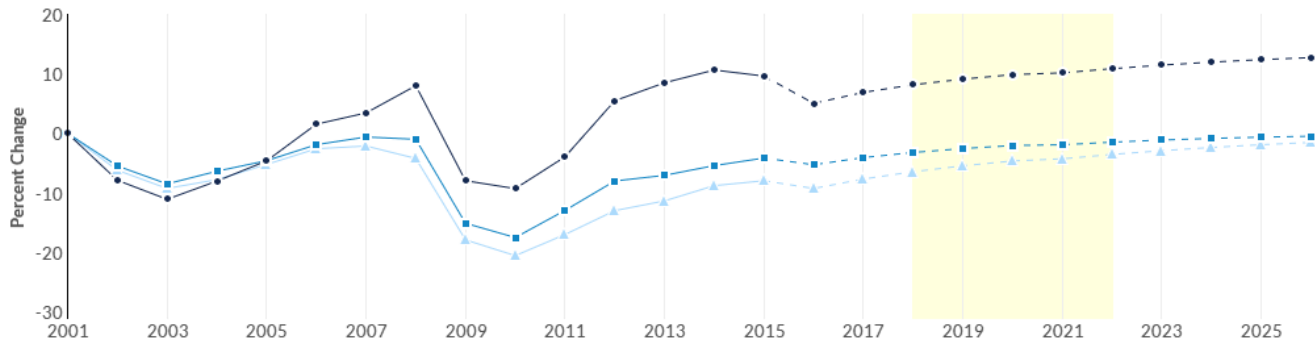
Percentile Earnings

\$16.08/hr 25th Percentile Earnings	\$19.02/hr Median Earnings	\$22.04/hr 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Welders, Cutters, Solderers, and Brazers (51-4121)	\$16.25	\$19.24	\$22.25
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	\$14.68	\$17.28	\$20.33

Regional Trends



	Region	2018 Jobs	2022 Jobs	Change	% Change
●	Region	1,192	1,222	30	2.5%
●	Wisconsin	16,194	16,484	290	1.8%
●	United States	446,605	460,472	13,867	3.1%

Regional Breakdown

County	2022 Jobs
La Crosse County, WI	406
Trempealeau County, WI	286
Juneau County, WI	199
Monroe County, WI	189
Vernon County, WI	54

Occupation Gender Breakdown

Gender	2016 Jobs	2016 Percent
● Males	1,093	94.4%
● Females	64	5.6%

Occupation Age Breakdown

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	128	11.0%	8.9%
Farm Machinery and Equipment Manufacturing	97	8.4%	14.5%
Sheet Metal Work Manufacturing	96	8.3%	19.1%
Upholstered Household Furniture Manufacturing	88	7.6%	2.3%
Power Boiler and Heat Exchanger Manufacturing	87	7.5%	22.1%

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.

Completers Data

The completers 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.

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: Illinois Department of Employment Security,

Employment Projections; Iowa Workforce Development; Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives; Minnesota Department of Employment and Economic Development; Wisconsin Department of Workforce Development, Bureau of Workforce Information