

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
51-4041	Machinists

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

Machinists in Western Technical College District

Machinists (SOC 51-4041): Set up and operate a variety of machine tools to produce precision parts and instruments. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, mathematics, metal properties, layout, and machining procedures.

Sample of Reported Job Titles: Maintenance Machinist Tool Room Machinist Production Machinist Manual Lathe Machinist Gear Machinist CNC Machinist (Computer Numerically Controlled Machinist) Utility Operator Set-Up Operator Set-Up Machinist Senior Maintenance Machinist

Related O*NET Occupation: Machinists (51-4041.00)

SOC	Description	2018 Jobs	2022 Jobs	2018 - 2022 Change	2018 - 2022 % Change	2018 - 2022 Openings	Annual Openings	Median Hourly Earnings
51-4041	Machinists	393	428	35	9%	83	21	\$19.49

Occupation Summary for Machinists

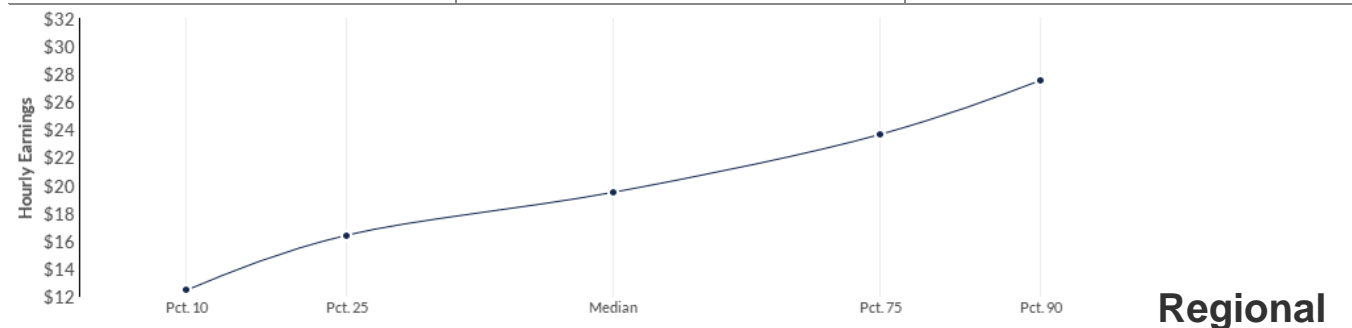
367 Jobs (2016) 7% below National average	8.9% % Change (2018-2022) Nation: 5.6%	\$19.49/hr Median Hourly Earnings Nation: \$19.66/hr
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Growth for Machinists (51-4041)

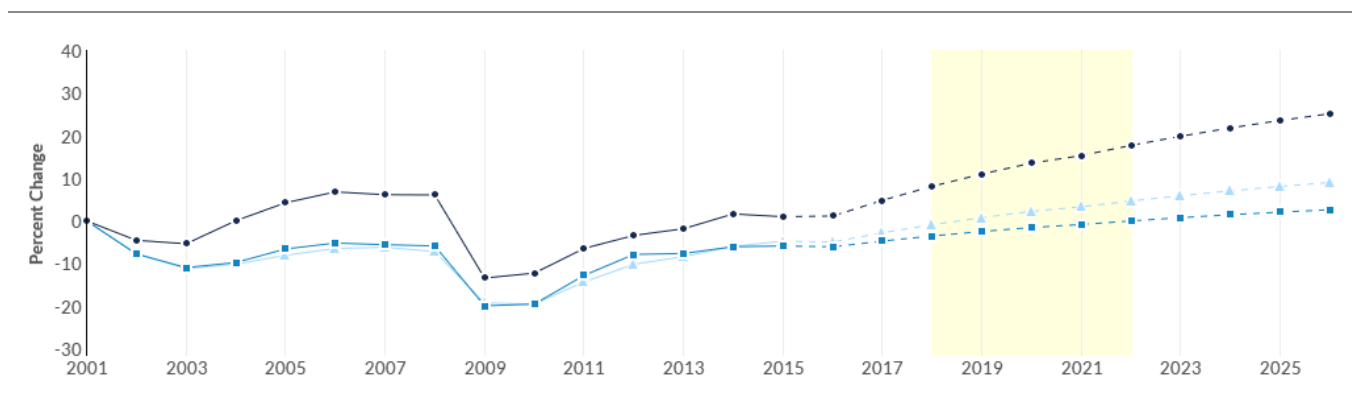
393 2018 Jobs	428 2022 Jobs	35 Change (2018-2022)	8.9% % Change (2018-2022)
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Percentile Earnings for Machinists (51-4041)

\$16.39/hr 25th Percentile Earnings	\$19.49/hr Median Earnings	\$23.65/hr 75th Percentile Earnings
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Trends



	Region	2018 Jobs	2022 Jobs	Change	% Change
●	Region	393	428	35	8.9%
●	Wisconsin	15,271	15,831	560	3.7%
●	United States	413,097	436,324	23,227	5.6%

Regional Breakdown

County	2022 Jobs
Juneau County, WI	107
La Crosse County, WI	99
Monroe County, WI	82
Trempealeau County, WI	69
Vernon County, WI	25

Occupation Gender Breakdown

Gender	2016 Jobs	2016 Percent
Males	346	94.2%
Females	21	5.8%

Occupation Age Breakdown

Age	2016 Jobs	2016 Percent
14-18	2	0.4%
19-24	21	5.8%
25-34	61	16.5%
35-44	70	19.0%
45-54	109	29.6%
55-64	94	25.5%
65+	12	3.2%

Occupation Race/Ethnicity Breakdown

	Race/Ethnicity	2016 Jobs	2016 Percent
●	White	349	95.0%
●	Asian	8	2.3%
●	Hispanic or Latino	5	1.5%
●	Black or African American	2	0.6%
●	Two or More Races	1	0.3%
●	American Indian or Alaska Native	1	0.3%
●	Native Hawaiian or Other Pacific Islander	0	0.0%

National Educational Attainment

	Education Level	2016 Percent
●	Less than high school diploma	9.8%
●	High school diploma or equivalent	47.6%
●	Some college, no degree	27.6%
●	Associate's degree	11.2%
●	Bachelor's degree	3.3%
●	Master's degree	0.4%
●	Doctoral or professional degree	0.1%

Occupational Programs

2 Programs (2015)		1 Completions (2015)	13 Openings (2015)
CIP Code	Program	Completions (2015)	
48.0503	Machine Shop Technology/Assistant	1	
48.0501	Machine Tool Technology/Machinist	0	

Industries Employing Machinists

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Machine Shops	41	11.2%	22.7%
Bolt, Nut, Screw, Rivet, and Washer Manufacturing	31	8.5%	14.7%
All Other Miscellaneous General Purpose Machinery Manufacturing	31	8.4%	5.5%
Farm Machinery and Equipment Manufacturing	28	7.6%	4.2%
All Other Miscellaneous Fabricated Metal Product Manufacturing	27	7.3%	3.7%

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