

Manufacturing Systems Maintenance Technician Occupation Overview

Emsi Q1 2018 Data Set

March 2018

Western Technical College



400 Seventh Street
La Crosse, Wisconsin 54601
608.785.9200

Parameters

Occupations

Code	Description
49-9041	Industrial Machinery Mechanics
49-9043	Maintenance Workers, Machinery
49-9071	Maintenance and Repair Workers, General
49-9098	Helpers--Installation, Maintenance, and Repair Workers
49-9099	Installation, Maintenance, and Repair Workers, All Other

Regions

Code	Description
55011	Buffalo 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

2019 - 2023

Datarun

2018.1 – QCEW Employees, Non-QCEW Employees, and Self-Employed

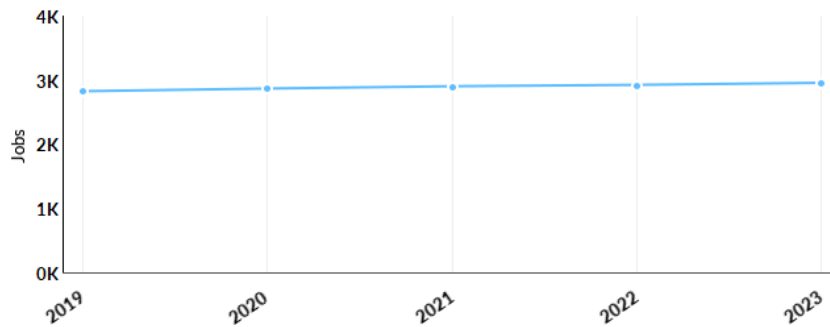
324623 MSMT in Western District

Occupation Summary for 324623 MSMT

2,822 Jobs (2019) 30% above National average	4.6% % Change (2019-2023) Nation: 4.3%	\$18.23/hr Median Hourly Earnings Nation: \$18.42/hr
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Growth

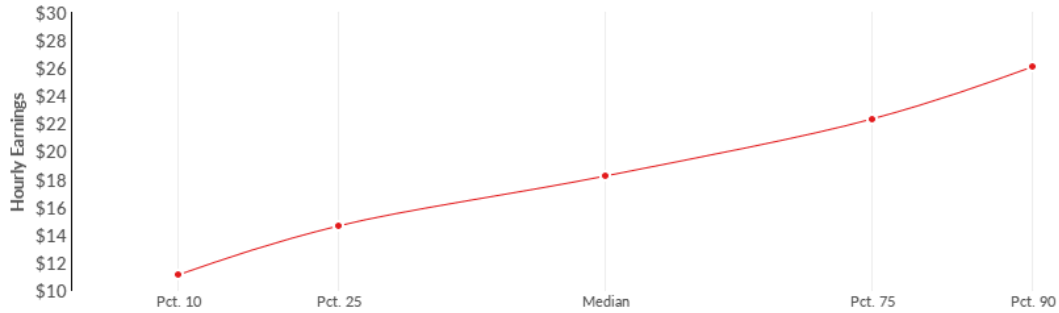
2,822 2019 Jobs	2,953 2023 Jobs	131 Change (2019-2023)	4.6% % Change (2019-2023)
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Occupation	2019 Jobs	2023 Jobs	Change	% Change
Industrial Machinery Mechanics (49-9041)	573	629	56	10%
Maintenance Workers, Machinery (49-9043)	80	86	6	8%
Maintenance and Repair Workers, General (49-9071)	1,888	1,947	59	3%
Helpers--Installation, Maintenance, and Repair Workers (49-9098)	70	74	4	6%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	212	217	5	2%

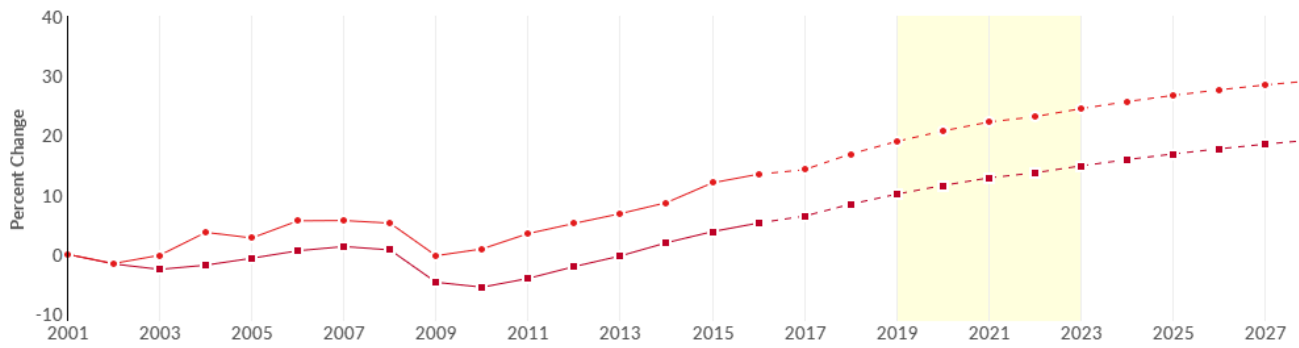
Percentile Earnings

\$14.64/hr 25th Percentile Earnings	\$18.23/hr Median Earnings	\$22.33/hr 75th Percentile Earnings
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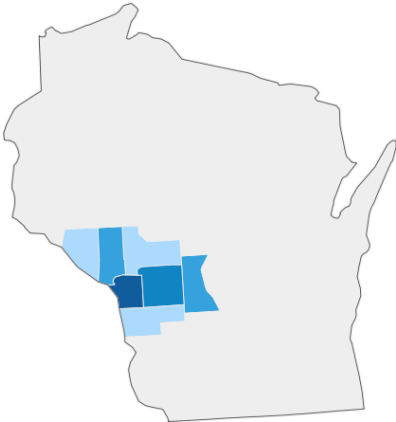
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Industrial Machinery Mechanics (49-9041)	\$17.48	\$20.46	\$24.18
Maintenance Workers, Machinery (49-9043)	\$17.07	\$20.09	\$23.45
Maintenance and Repair Workers, General (49-9071)	\$14.34	\$17.68	\$21.70
Helpers--Installation, Maintenance, and Repair Workers (49-9098)	\$9.57	\$11.22	\$14.85
Installation, Maintenance, and Repair Workers, All Other (49-9099)	\$13.12	\$16.41	\$23.14

Regional Trends



	Region	2019 Jobs	2023 Jobs	Change	% Change
●	Region	2,822	2,953	131	4.6%
●	Nation	2,327,362	2,427,855	100,493	4.3%

Regional Breakdown



County	2023 Jobs
La Crosse County, WI	1,299
Monroe County, WI	585
Trempealeau County, WI	386
Juneau County, WI	232
Vernon County, WI	195

Occupation Gender Breakdown



	Gender	2017 Jobs	2017 Percent
●	Males	2,602	96.0%
●	Females	107	4.0%

Occupation Age Breakdown



	Age	2017 Jobs	2017 Percent
•	14-18	24	0.9%
•	19-24	165	6.1% ■
•	25-34	438	16.2% ■■
•	35-44	488	18.0% ■■■
•	45-54	734	27.1% ■■■■
•	55-64	702	25.9% ■■■■
•	65+	158	5.8% ■■

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2017 Jobs	2017 Percent
•	White	2,504	92.4%
•	Hispanic or Latino	82	3.0%
•	Black or African American	46	1.7%
•	Asian	38	1.4%
•	American Indian or Alaska Native	22	0.8%
•	Two or More Races	17	0.6%
•	Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

2 Programs (2016)		26 Completions (2016)	281 Openings (2016)
CIP Code	Program	Completions (2016)	
47.0303	Industrial Mechanics and Maintenance Technology	26	
47.0101	Electrical/Electronics Equipment Installation and Repair, General	0	

Industries Employing 324623 MSMT

Industry	Occupation Group Jobs in Industry (2017)	% of Occupation Group in Industry (2017)	% of Total Jobs in Industry (2017)
Local Government, Excluding Education and Hospitals	288	10.6%	3.7%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	91	3.4%	29.0%
Upholstered Household Furniture Manufacturing	87	3.2%	2.3%
Hotels (except Casino Hotels) and Motels	82	3.0%	5.3%
Federal Government, Civilian, Excluding Postal Service	78	2.9%	2.5%

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.

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