

# 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
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
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

5 Installation, Maintenance, and Repair Occupations 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
49-9041	Industrial Machinery Mechanics	580	653	73	13%	138	35	\$20.76
49-9043	Maintenance Workers, Machinery	211	225	14	7%	27	7	\$21.37
49-9071	Maintenance and Repair Workers, General	1,968	2,034	66	3%	280	70	\$17.39
49-9098	Helpers--Installation, Maintenance, and Repair Workers	71	76	5	7%	14	4	\$11.35
49-9099	Installation, Maintenance, and Repair Workers, All Other	183	190	7	4%	19	5	\$19.29
		3,014	3,178	164	5%	479	120	\$18.26

# Occupation Summary for 5 Installation, Maintenance, and Repair Occupations

<b>2,881</b> Jobs (2016) 34% above National average	<b>5.4%</b> % Change (2018-2022) Nation: 4.7%	<b>\$18.26/hr</b> Median Hourly Earnings Nation: \$18.74/hr
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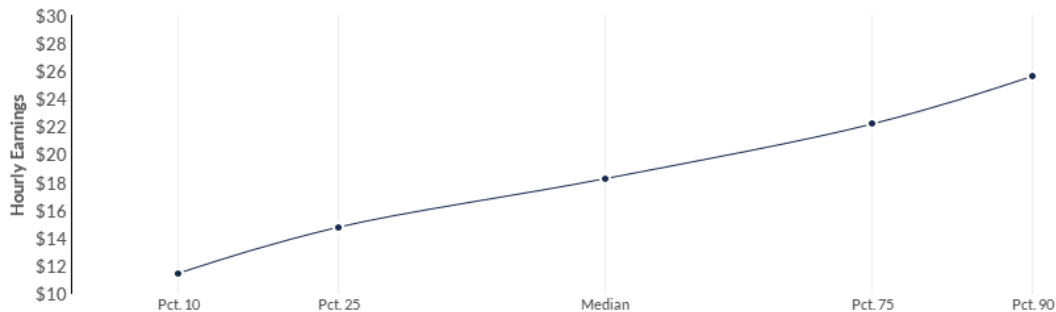
## Growth

<b>3,014</b> 2018 Jobs	<b>3,178</b> 2022 Jobs	<b>164</b> Change (2018-2022)	<b>5.4%</b> % Change (2018-2022)
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Occupation	2018 Jobs	2022 Jobs	Change	% Change
Industrial Machinery Mechanics (49-9041)	580	653	73	13%
Maintenance Workers, Machinery (49-9043)	211	225	14	7%
Maintenance and Repair Workers, General (49-9071)	1,968	2,034	66	3%
Helpers--Installation, Maintenance, and Repair Workers (49-9098)	71	76	5	7%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	183	190	7	4%

## Percentile Earnings

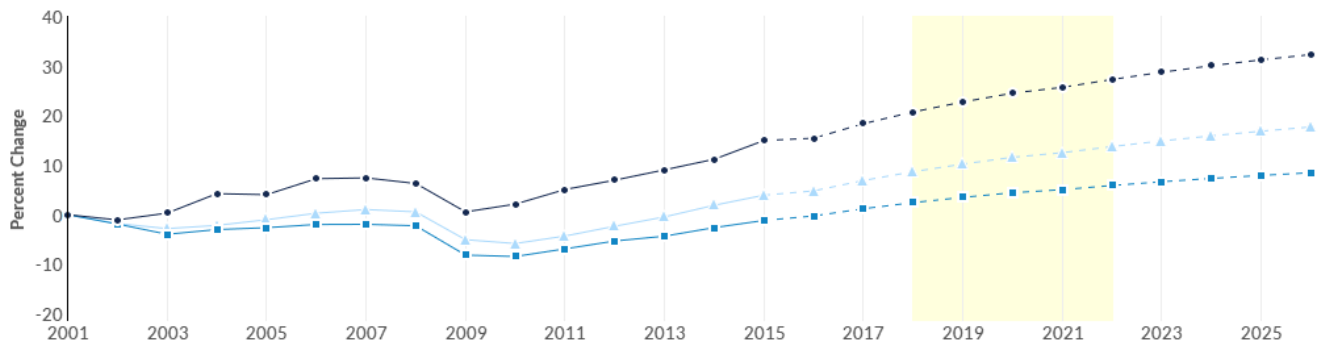
<b>\$14.76/hr</b> 25th Percentile Earnings	<b>\$18.26/hr</b> Median Earnings	<b>\$22.19/hr</b> 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Industrial Machinery Mechanics (49-9041)	\$17.11	\$20.76	\$24.64
Maintenance Workers, Machinery (49-9043)	\$18.18	\$21.37	\$26.02
Maintenance and Repair Workers, General (49-9071)	\$13.98	\$17.39	\$21.19
Helpers--Installation, Maintenance, and Repair Workers (49-9098)	\$9.81	\$11.35	\$16.05
Installation, Maintenance, and Repair Workers, All Other (49-9099)	\$14.26	\$19.29	\$23.68

## Regional Trends



	Region	2018 Jobs	2022 Jobs	Change	% Change
●	Region	3,014	3,178	164	5.4%
●	Wisconsin	49,317	50,981	1,664	3.4%
●	United States	2,232,831	2,337,148	104,317	4.7%

## Regional Breakdown

County	2022 Jobs
La Crosse County, WI	1,391
Monroe County, WI	586
Trempealeau County, WI	405
Juneau County, WI	228

County	2022 Jobs
Vernon County, WI	173

## Occupation Gender Breakdown

Gender	2016 Jobs	2016 Percent
Males	2,766	96.0%
Females	115	4.0%

## Occupation Age Breakdown

Age	2016 Jobs	2016 Percent
14-18	19	0.7%
19-24	162	5.6%
25-34	450	15.6%
35-44	548	19.0%
45-54	826	28.7%
55-64	721	25.0%
65+	156	5.4%

## Occupation Race/Ethnicity Breakdown

Race/Ethnicity	2016 Jobs	2016 Percent
White	2,681	93.1%
Hispanic or Latino	77	2.7%
Black or African American	44	1.5%
Asian	38	1.3%
American Indian or Alaska Native	23	0.8%

Race/Ethnicity	2016 Jobs	2016 Percent
• Two or More Races	17	0.6%
• Native Hawaiian or Other Pacific Islander	1	0.0%

## Occupational Programs

2 Programs (2015)	1 Completions (2015)	90 Openings (2015)
CIP Code	Program	Completions (2015)
47.0303	Industrial Mechanics and Maintenance Technology	1
47.0101	Electrical/Electronics Equipment Installation and Repair, General	0

## Industries Employing 5 Installation, Maintenance, and Repair Occupations

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Local Government, Excluding Education and Hospitals	301	10.5%	3.6%
Upholstered Household Furniture Manufacturing	95	3.3%	2.4%
Hotels (except Casino Hotels) and Motels	79	2.8%	5.0%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	74	2.6%	31.8%
Federal Government, Civilian, Excluding Postal Service	73	2.5%	2.3%

# 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.

## 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