

Occupation Overview

Emsi Q1 2019 Data Set

March 2019

Western Technical College



400 Seventh Street
La Crosse, Wisconsin 54601
608.785.9200

Parameters

Occupations

Code	Description
17-3023	Electrical and Electronics Engineering Technicians
17-3029	Engineering Technicians, Except Drafters, All Other
49-9062	Medical Equipment Repairers

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

2019 - 2025

Datarun

2019.1 – Employees

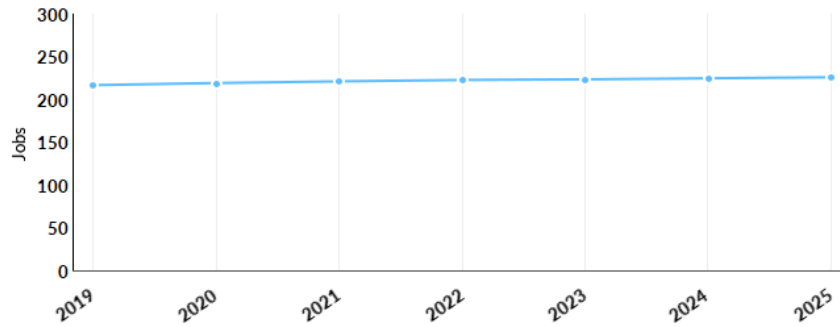
Bio-Medical Electronics (2 years) - March 2019 in Western Technical College District

Occupation Summary for Bio-Medical Electronics (2 years) - March 2019

216 Jobs (2019) 18% below National average	4.6% % Change (2019-2025) Nation: 3.9%	\$27.69/hr Median Hourly Earnings Nation: \$29.12/hr
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Growth

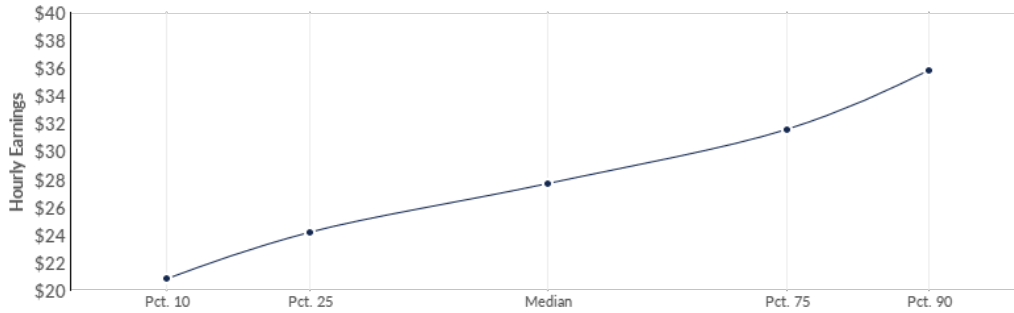
216 2019 Jobs	226 2025 Jobs	10 Change (2019-2025)	4.6% % Change (2019-2025)
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Occupation	2019 Jobs	2025 Jobs	Change	% Change
Electrical and Electronics Engineering Technicians (17-3023)	111	115	4	4%
Engineering Technicians, Except Drafters, All Other (17-3029)	95	99	4	4%
Medical Equipment Repairers (49-9062)	10	12	2	20%

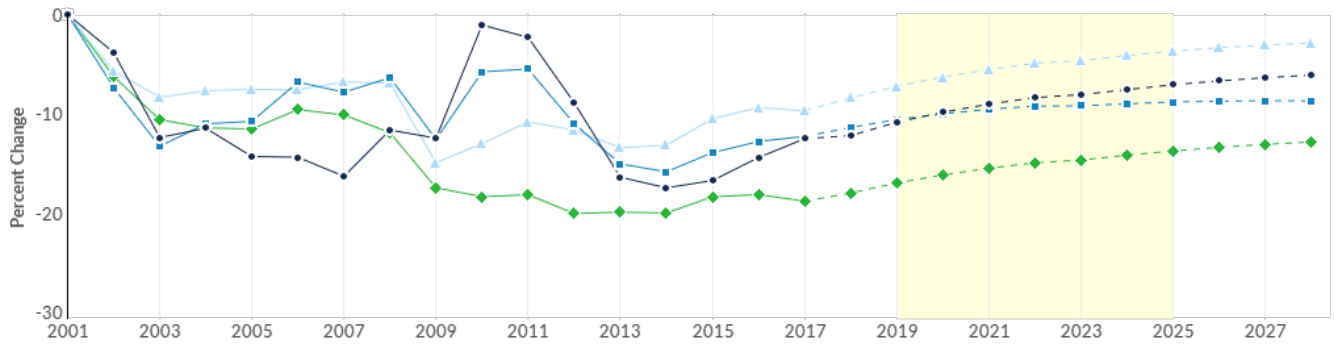
Percentile Earnings

\$24.17/hr 25th Percentile Earnings	\$27.69/hr Median Earnings	\$31.57/hr 75th Percentile Earnings
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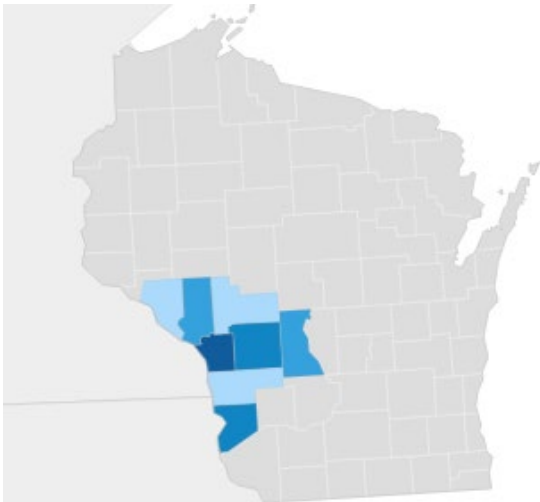
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Electrical and Electronics Engineering Technicians (17-3023)	\$24.91	\$27.83	\$31.46
Engineering Technicians, Except Drafters, All Other (17-3029)	\$23.47	\$27.48	\$31.41
Medical Equipment Repairers (49-9062)	\$18.40	\$27.57	\$38.10

Regional Trends



	Region	2019 Jobs	2025 Jobs	Change	% Change
●	Region	216	226	10	4.6%
●	7 Rivers Region	329	336	7	2.1%
●	State	4,312	4,476	164	3.8%
●	Nation	270,133	280,641	10,508	3.9%

Regional Breakdown



County	2025 Jobs
La Crosse County, WI	89
Monroe County, WI	68
Crawford County, WI	18
Juneau County, WI	15
Trempealeau County, WI	14

Job Postings Summary

<p>8</p> <p>Unique Postings</p> <p>23 Total Postings</p>	<p>3 : 1</p> <p>Posting Intensity</p> <p>Regional Average: 7 : 1</p>	<p>33 days</p> <p>Median Posting Duration</p> <p>Regional Average: 37 days</p>
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There were **23** total job postings for your selection in January 2019, of which **8** 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 lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may not be trying as hard to hire for this position.

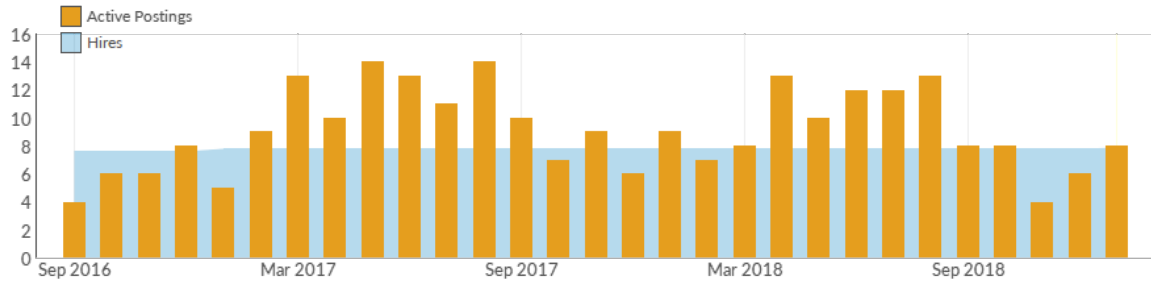
Job Postings vs. Hires

8

Avg. Monthly Postings (Jan 2019)

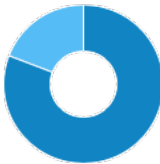
8

Avg. Monthly Hires (Jan 2019)



Occupation	Avg Monthly Postings (Jan 2019)	Avg Monthly Hires (Jan 2019)
Electrical and Electronics Engineering Technicians	5	3
Engineering Technicians, Except Drafters, All Other	2	4
Medical Equipment Repairers	1	0

Occupation Gender Breakdown



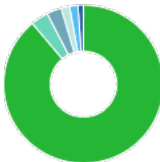
	Gender	2018 Jobs	2018 Percent	
•	Males	172	80.8%	
•	Females	41	19.2%	

Occupation Age Breakdown



	Age	2018 Jobs	2018 Percent
●	14-18	1	0.3%
●	19-24	17	8.1% ■
●	25-34	36	16.8% ■■
●	35-44	40	18.9% ■■■
●	45-54	59	27.6% ■■■■
●	55-64	53	24.6% ■■■■
●	65+	8	3.6% ■

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent
●	White	189	88.9%
●	Hispanic or Latino	8	3.6%
●	Asian	6	3.0%
●	Black or African American	4	1.7%
●	Two or More Races	4	1.7%
●	American Indian or Alaska Native	2	1.1%
●	Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

4		36	20
Programs (2017)		Completions (2017)	Openings (2017)
CIP Code	Program	Completions (2017)	
15.0401	Biomedical Technology/Technician	15	
15.1201	Computer Engineering Technology/Technician	12	
15.0101	Architectural Engineering Technology/Technician	8	
15.0505	Solar Energy Technology/Technician	1	

Industries Employing Bio-Medical Electronics (2 years) - March 2019

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Federal Government, Civilian, Excluding Postal Service	56	26.3%	1.7%
Fossil Fuel Electric Power Generation	15	7.1%	2.6%
Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	14	6.7%	0.8%
Local Government, Excluding Education and Hospitals	<10	4.7%	0.1%
Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	<10	4.5%	3.5%

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.

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: Iowa Workforce Development; Minnesota Department of Employment and Economic Development; Wisconsin Department of Workforce Development, Bureau of Workforce Information