

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
17-2061	Computer Hardware Engineers
17-2072	Electronics Engineers, Except Computer
17-3012	Electrical and Electronics Drafters
17-3023	Electrical and Electronics Engineering Technicians
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay

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

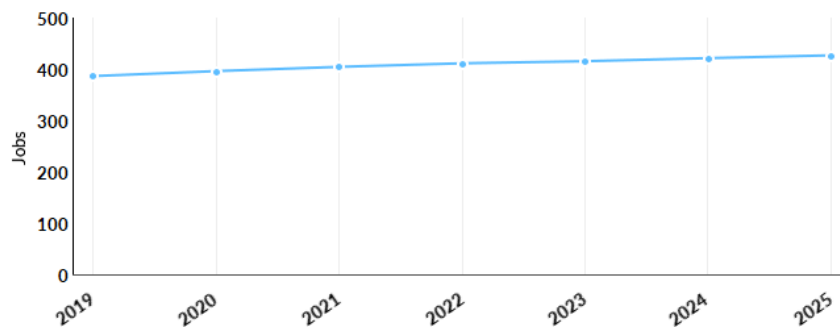
Electronic & Computer Engineering Technician - March 2019 in Western Technical College District

Occupation Summary for Electronic & Computer Engineering Technician - March 2019

386 Jobs (2019) 39% below National average	10.4% % Change (2019-2025) Nation: 1.3%	\$27.28/hr Median Hourly Earnings Nation: \$33.64/hr
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Growth

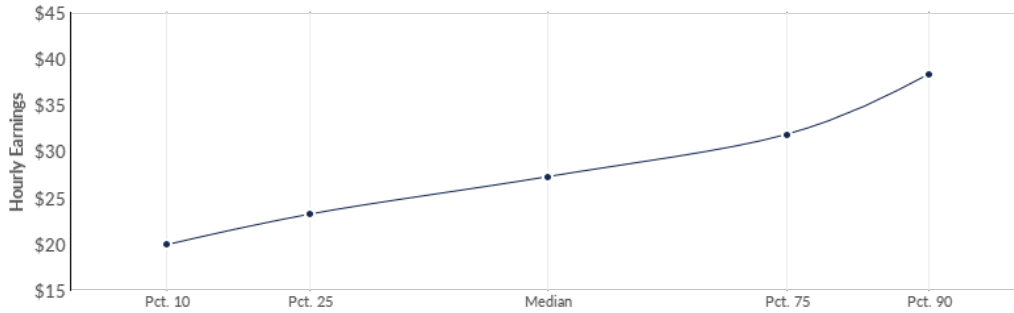
386 2019 Jobs	426 2025 Jobs	40 Change (2019-2025)	10.4% % Change (2019-2025)
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Occupation	2019 Jobs	2025 Jobs	Change	% Change
Computer Hardware Engineers (17-2061)	23	27	4	17%
Electronics Engineers, Except Computer (17-2072)	54	61	7	13%
Electrical and Electronics Drafters (17-3012)	13	14	1	8%
Electrical and Electronics Engineering Technicians (17-3023)	111	115	4	4%
Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)	175	197	22	13%
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	9	12	3	33%

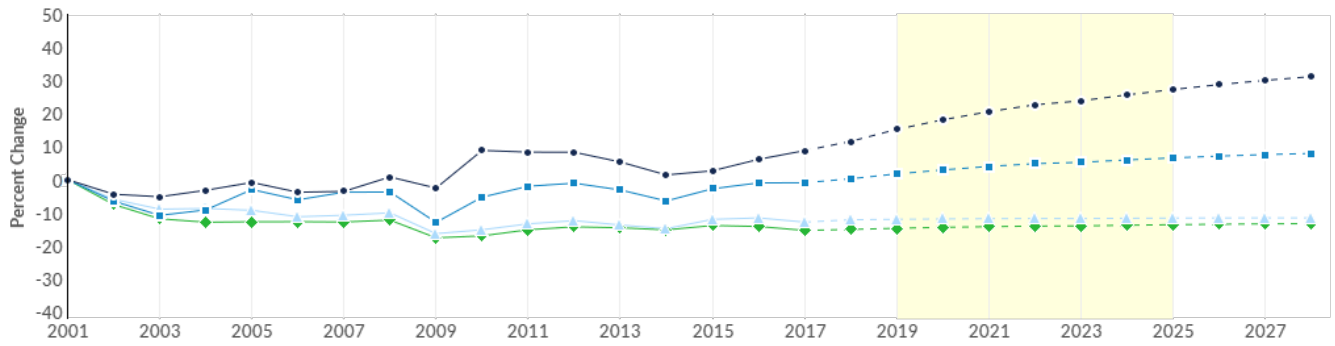
Percentile Earnings

\$23.22/hr 25th Percentile Earnings	\$27.28/hr Median Earnings	\$31.84/hr 75th Percentile Earnings
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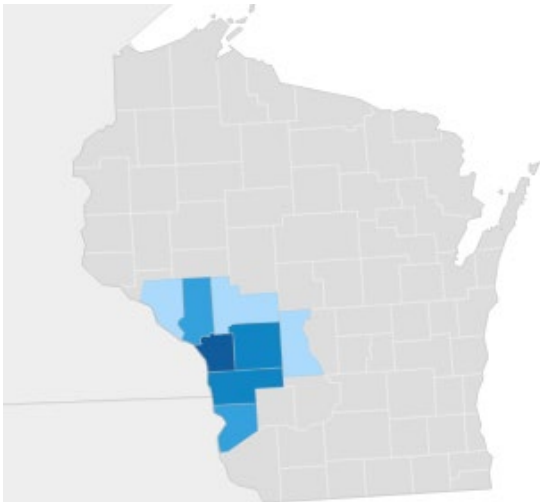
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Computer Hardware Engineers (17-2061)	\$29.09	\$39.17	\$50.57
Electronics Engineers, Except Computer (17-2072)	\$29.17	\$34.46	\$40.64
Electrical and Electronics Drafters (17-3012)	\$18.60	\$22.58	\$28.31
Electrical and Electronics Engineering Technicians (17-3023)	\$24.91	\$27.83	\$31.46
Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)	\$21.45	\$25.14	\$28.30
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	\$29.51	\$35.21	\$41.02

Regional Trends




	Region	2019 Jobs	2025 Jobs	Change	% Change
●	Region	386	426	40	10.4%
●	7 Rivers Region	642	673	31	4.8%
●	State	9,157	9,197	40	0.4%
●	Nation	649,430	657,677	8,247	1.3%

Regional Breakdown



County	2025 Jobs
La Crosse County, WI	193
Monroe County, WI	72
Vernon County, WI	44
Crawford County, WI	42
Trempealeau County, WI	27

Job Postings Summary

<p>17</p> <p>Unique Postings</p> <p>115 Total Postings</p>	<p>7 : 1</p> <p>Posting Intensity</p> <p>Regional Average: 7 : 1</p> 	<p>50 days</p> <p>Median Posting Duration</p> <p>Regional Average: 37 days</p>
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There were **115** total job postings for your selection in January 2019, of which **17** were unique. These numbers give us a Posting Intensity of **7-to-1**, meaning that for every 7 postings there is 1 unique job posting. This is close to the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they are putting average effort toward hiring for this position.

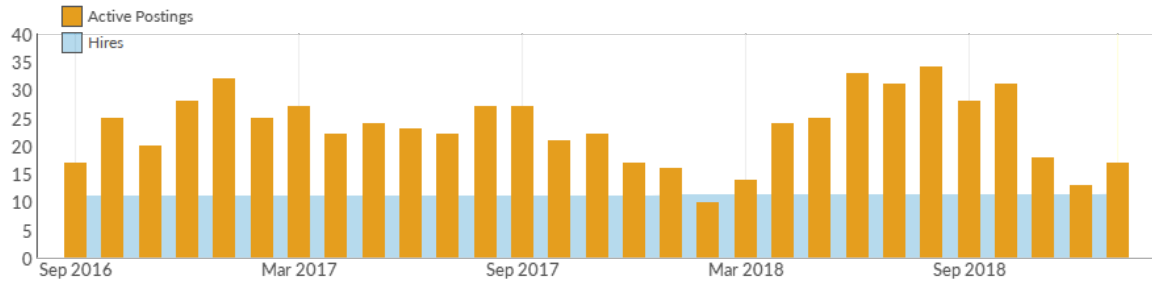
Job Postings vs. Hires

17

Avg. Monthly Postings (Jan 2019)

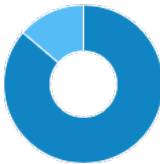
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Avg. Monthly Hires (Jan 2019)



Occupation	Avg Monthly Postings (Jan 2019)	Avg Monthly Hires (Jan 2019)
Telecommunications Equipment Installers and Repairers, Except Line Installers	10	5
Electrical and Electronics Engineering Technicians	5	3
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	2	0
Electrical and Electronics Drafters	0	0
Electronics Engineers, Except Computer	0	2
Computer Hardware Engineers	0	1

Occupation Gender Breakdown



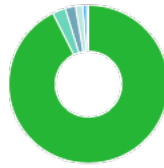
	Gender	2018 Jobs	2018 Percent	
•	Males	322	86.2%	
•	Females	51	13.8%	

Occupation Age Breakdown



	Age	2018 Jobs	2018 Percent
●	14-18	2	0.5%
●	19-24	24	6.4% ■
●	25-34	66	17.6% ■■
●	35-44	91	24.4% ■■■
●	45-54	97	26.0% ■■■■
●	55-64	82	21.8% ■■■■
●	65+	12	3.3% ■

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent
●	White	346	92.6%
●	Asian	10	2.7%
●	Hispanic or Latino	8	2.1%
●	Black or African American	5	1.5%
●	Two or More Races	3	0.8%
●	American Indian or Alaska Native	1	0.4%
●	Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

3 Programs (2017)	25 Completions (2017)	44 Openings (2017)
CIP Code	Program	Completions (2017)
15.1201	Computer Engineering Technology/Technician	12
47.0105	Industrial Electronics Technology/Technician	11
46.0302	Electrician	2

Industries Employing Electronic & Computer Engineering Technician - March 2019

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Wired Telecommunications Carriers	115	30.8%	32.9%
Federal Government, Civilian, Excluding Postal Service	35	9.4%	1.1%
Electrical Contractors and Other Wiring Installation Contractors	17	4.6%	3.9%
Fossil Fuel Electric Power Generation	16	4.4%	2.8%
Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	16	4.2%	0.9%

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