

Architectural Technology 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
17-3029	Engineering Technicians, Except Drafters, All Other
13-1051	Cost Estimators
17-1011	Architects, Except Landscape and Naval
17-3011	Architectural and Civil Drafters
17-3022	Civil Engineering Technicians

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

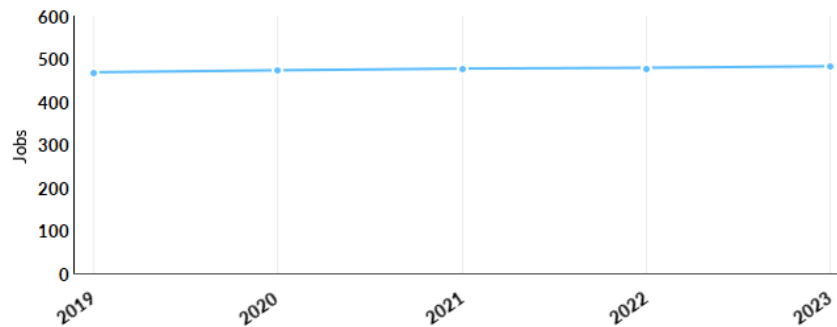
5 Occupations in Western District

Occupation Summary for 5 Occupations

468 Jobs (2019) 20% below National average	3.0% % Change (2019-2023) Nation: 2.6%	\$25.12/hr Median Hourly Earnings Nation: \$28.29/hr
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Growth

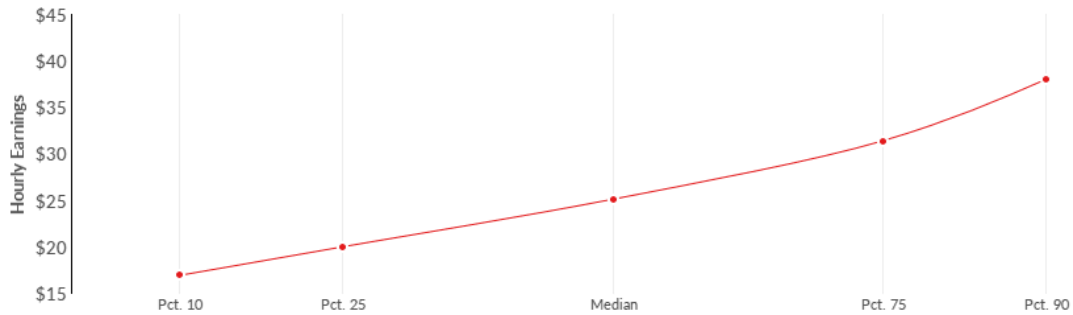
468 2019 Jobs	482 2023 Jobs	14 Change (2019-2023)	3.0% % Change (2019-2023)
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Occupation	2019 Jobs	2023 Jobs	Change	% Change
Cost Estimators (13-1051)	206	214	8	4%
Architects, Except Landscape and Naval (17-1011)	61	64	3	5%
Architectural and Civil Drafters (17-3011)	83	83	0	0%
Civil Engineering Technicians (17-3022)	67	69	2	3%
Engineering Technicians, Except Drafters, All Other (17-3029)	51	51	0	0%

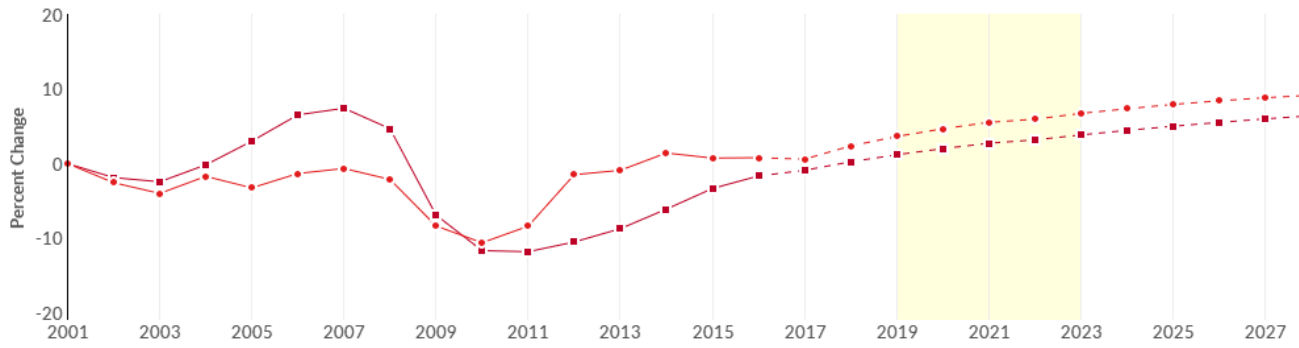
Percentile Earnings

\$19.99/hr 25th Percentile Earnings	\$25.12/hr Median Earnings	\$31.42/hr 75th Percentile Earnings
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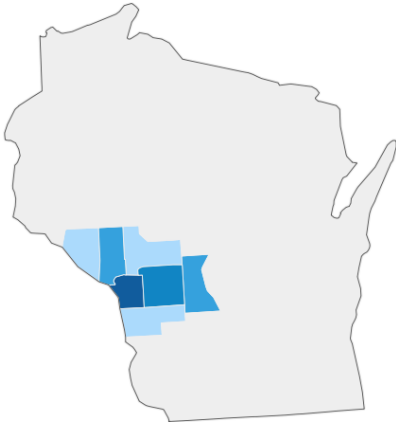
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Cost Estimators (13-1051)	\$22.11	\$28.91	\$35.73
Architects, Except Landscape and Naval (17-1011)	\$21.75	\$25.85	\$32.89
Architectural and Civil Drafters (17-3011)	\$16.91	\$19.55	\$23.76
Civil Engineering Technicians (17-3022)	\$18.09	\$22.32	\$25.80
Engineering Technicians, Except Drafters, All Other (17-3029)	\$23.61	\$27.68	\$31.07

Regional Trends



	Region	2019 Jobs	2023 Jobs	Change	% Change
●	Region	468	482	14	3.0%
●	Nation	621,959	638,304	16,345	2.6%

Regional Breakdown



County	2023 Jobs
La Crosse County, WI	227
Monroe County, WI	74
Trempealeau County, WI	62
Juneau County, WI	50
Jackson County, WI	33

Occupation Gender Breakdown



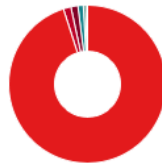
	Gender	2017 Jobs	2017 Percent	
●	Males	380	83.6%	
●	Females	75	16.4%	

Occupation Age Breakdown



	Age	2017 Jobs	2017 Percent
●	14-18	2	0.4%
●	19-24	32	7.0% ■
●	25-34	83	18.3% ■■
●	35-44	85	18.8% ■■
●	45-54	110	24.2% ■■■
●	55-64	112	24.7% ■■■
●	65+	30	6.7% ■

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2017 Jobs	2017 Percent
•	White	432	95.0% 
•	Hispanic or Latino	7	1.6% 
•	Asian	7	1.4% 
•	Black or African American	5	1.1% 
•	Two or More Races	2	0.5% 
•	American Indian or Alaska Native	2	0.4% 
•	Native Hawaiian or Other Pacific Islander	0	0.0% 

Occupational Programs

6 Programs (2016)		422 Completions (2016)	44 Openings (2016)
CIP Code	Program	Completions (2016)	
52.0201	Business Administration and Management, General	263	
52.0301	Accounting	137	
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	9	
15.0503	Energy Management and Systems Technology/Technician	8	
15.0101	Architectural Engineering Technology/Technician	5	

Industries Employing 5 Occupations

Industry	Occupation Group Jobs in Industry (2017)	% of Occupation Group in Industry (2017)	% of Total Jobs in Industry (2017)
Architectural Services	46	10.2%	38.7%
Engineering Services	32	7.1%	14.0%
Local Government, Excluding Education and Hospitals	32	7.1%	0.4%
Federal Government, Civilian, Excluding Postal Service	26	5.7%	0.8%
State Government, Excluding Education and Hospitals	23	5.1%	1.2%

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