

Occupation Overview

Emsi Q1 2017 Data Set

March 2017

Western Technical College



400 Seventh Street
La Crosse, Wisconsin 54601
608.785.9200

Parameters

Occupations

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

Architectural Technology 2017 (AED) 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
13-1051	Cost Estimators	241	253	12	5%	40	10	\$29.10
17-1011	Architects, Except Landscape and Naval	46	49	3	7%	<10	Insf. Data	\$26.97
17-3011	Architectural and Civil Drafters	83	83	0	0%	<10	Insf. Data	\$19.94
17-3022	Civil Engineering Technicians	52	53	1	2%	<10	Insf. Data	\$25.00
17-3029	Engineering Technicians, Except Drafters, All Other	80	80	0	0%	<10	Insf. Data	\$27.00
		502	518	16	3%	68	17	\$26.59

Occupation Summary for Architectural Technology 2015 (AED)

486 Jobs (2016) 14% below National average	3.2% % Change (2018-2022) Nation: 2.4%	\$26.59/hr Median Hourly Earnings Nation: \$29.21/hr
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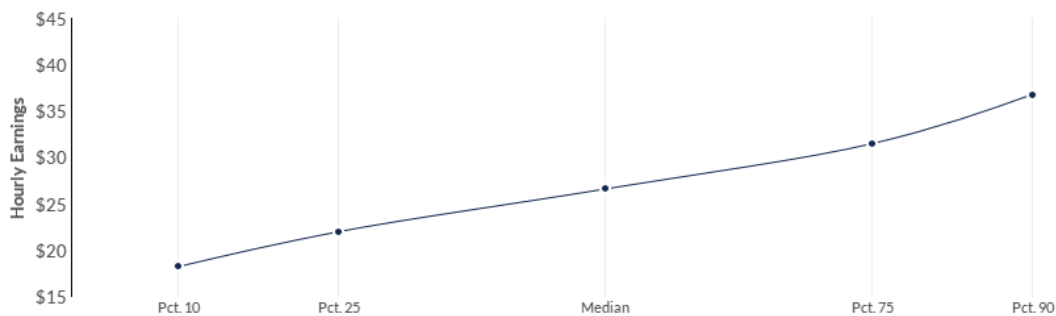
Growth

502 2018 Jobs	518 2022 Jobs	16 Change (2018-2022)	3.2% % Change (2018-2022)
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Occupation	2018 Jobs	2022 Jobs	Change	% Change
Cost Estimators (13-1051)	241	253	12	5%
Architects, Except Landscape and Naval (17-1011)	46	49	3	7%
Architectural and Civil Drafters (17-3011)	83	83	0	0%
Civil Engineering Technicians (17-3022)	52	53	1	2%
Engineering Technicians, Except Drafters, All Other (17-3029)	80	80	0	0%

Percentile Earnings

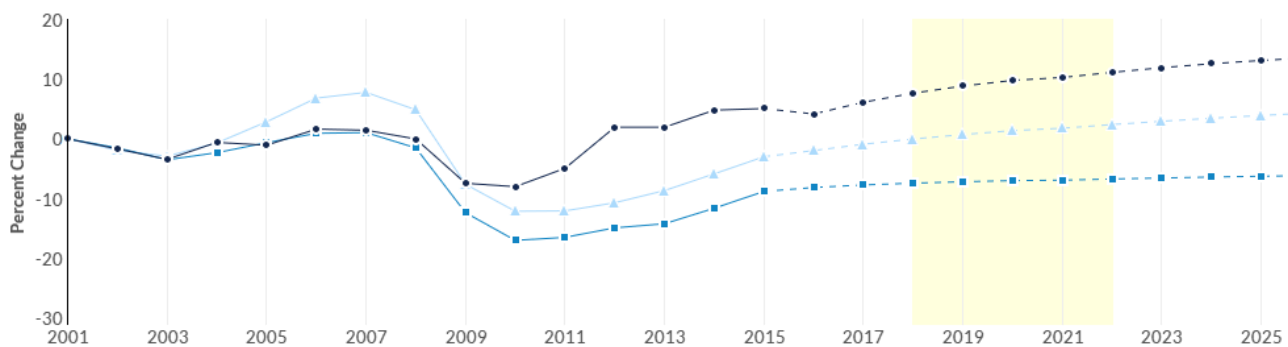
\$21.97/hr 25th Percentile Earnings	\$26.59/hr Median Earnings	\$31.48/hr 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Cost Estimators (13-1051)	\$23.59	\$29.10	\$35.01

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Architects, Except Landscape and Naval (17-1011)	\$21.66	\$26.97	\$33.52
Architectural and Civil Drafters (17-3011)	\$17.25	\$19.94	\$23.32
Civil Engineering Technicians (17-3022)	\$20.88	\$25.00	\$28.51
Engineering Technicians, Except Drafters, All Other (17-3029)	\$23.04	\$27.00	\$30.48

Regional Trends




	Region	2018 Jobs	2022 Jobs	Change	% Change
●	Region	502	518	16	3.2%
●	State	11,346	11,432	86	0.8%
●	Nation	575,915	589,851	13,936	2.4%







Regional Breakdown

County	2022 Jobs
La Crosse County, WI	230
Monroe County, WI	80
Trempealeau County, WI	67
Juneau County, WI	46
Jackson County, WI	36



Occupation Gender Breakdown

	Gender	2016 Jobs	2016 Percent	
•	Males	401	82.6%	
•	Females	85	17.4%	

Occupation Age Breakdown

	Age	2016 Jobs	2016 Percent	
•	14-18	2	0.4%	
•	19-24	28	5.8%	
•	25-34	94	19.3%	
•	35-44	95	19.5%	
•	45-54	127	26.2%	
•	55-64	111	22.9%	
•	65+	29	5.9%	

Occupation Race/Ethnicity Breakdown

	Race/Ethnicity	2016 Jobs	2016 Percent	
•	White	464	95.4%	
•	Asian	8	1.7%	
•	Hispanic or Latino	6	1.3%	
•	Black or African American	5	0.9%	
•	Two or More Races	2	0.3%	
•	American Indian or Alaska Native	2	0.3%	
•	Native Hawaiian or Other Pacific Islander	0	0.0%	

Occupational Programs

		5	248	15
		Programs (2015)	Completions (2015)	Openings (2015)
CIP Code	Program	Completions (2015)		
52.0201	Business Administration and Management, General	230		
15.0101	Architectural Engineering Technology/Technician	11		
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	5		
15.0503	Energy Management and Systems Technology/Technician	2		
52.0101	Business/Commerce, General	0		

Industries Employing Architectural Technology 2015 (AED)

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Architectural Services	44	9.0%	40.4%
Federal Government, Civilian, Excluding Postal Service	37	7.6%	1.2%
Local Government, Excluding Education and Hospitals	31	6.4%	0.4%
Engineering Services	25	5.1%	12.2%
State Government, Excluding Education and Hospitals	19	3.8%	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.

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