

Occupation Overview

EMSI Q2 2015 Data Set

Architectural Technology Program
October 2015

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

2016 - 2020

Datarun

2015.2 – Employees

Architectural Technology 2015 (AED) in 8 Counties

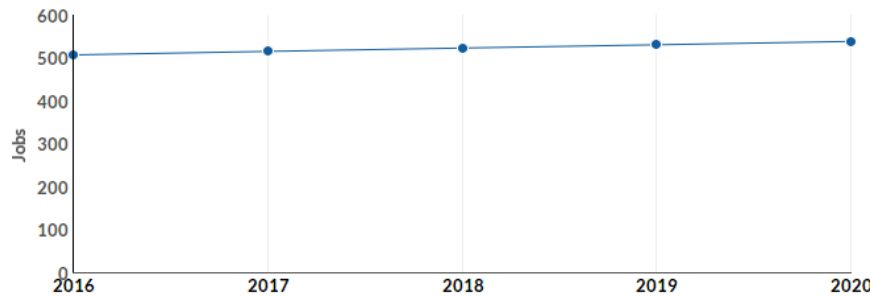
SOC	Description	2016 Jobs	2020 Jobs	2016 - 2020 Change	2016 - 2020 % Change	Openings	Annual Openings	Median Hourly Earnings
13-1051	Cost Estimators	223	242	19	9%	49	12	\$26.03
17-1011	Architects, Except Landscape and Naval	61	71	10	16%	17	4	\$29.23
17-3011	Architectural and Civil Drafters	91	94	3	3%	<10	Insf. Data	\$19.58
17-3022	Civil Engineering Technicians	58	58	0	0%	<10	Insf. Data	\$22.54
17-3029	Engineering Technicians, Except Drafters, All Other	74	74	0	0%	<10	Insf. Data	\$25.31
		508	539	31	6%	88	22	\$24.69

Occupation Summary for Architectural Technology 2015 (AED)

499	6.2%	\$24.69/hr
Jobs (2015)	% Change (2016-2020)	Median Hourly Earnings
10% below National average	Nation: 2.9%	Nation: \$28.54/hr

Growth

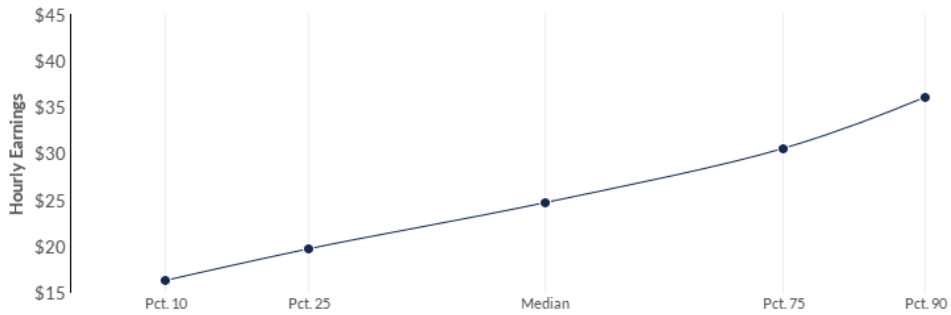
508 2016 Jobs	539 2020 Jobs	31 Change (2016-2020)	6.2% % Change (2016-2020)
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Occupation	2016 Jobs	2020 Jobs	Change	% Change
Cost Estimators (13-1051)	223	242	19	9%
Architects, Except Landscape and Naval (17-1011)	61	71	10	16%
Architectural and Civil Drafters (17-3011)	91	94	3	3%
Civil Engineering Technicians (17-3022)	58	58	0	0%
Engineering Technicians, Except Drafters, All Other (17-3029)	74	74	0	0%

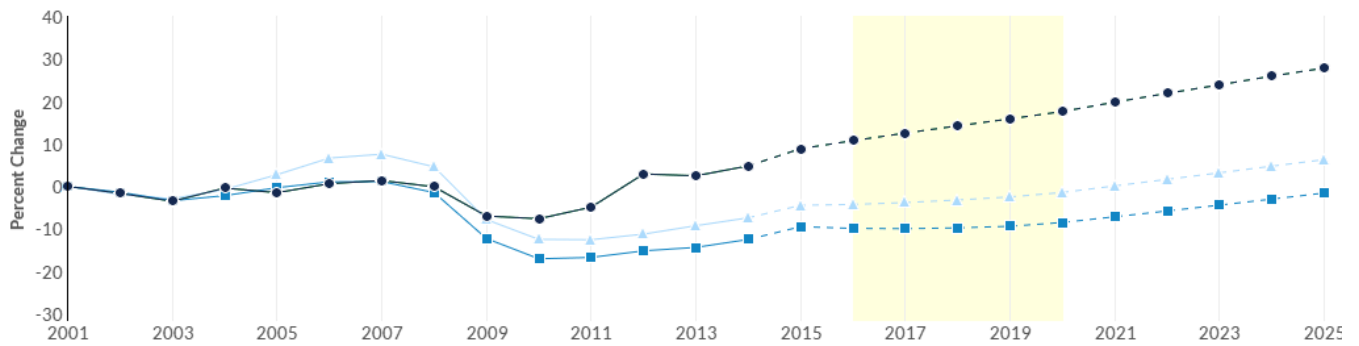
Percentile Earnings

\$19.68/hr 25th Percentile Earnings	\$24.69/hr Median Earnings	\$30.52/hr 75th Percentile Earnings
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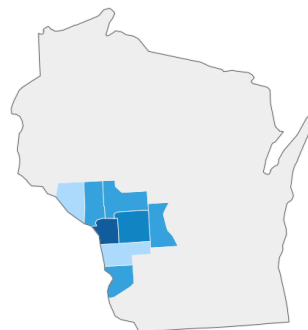
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Cost Estimators (13-1051)	\$19.59	\$26.03	\$32.52
Architects, Except Landscape and Naval (17-1011)	\$22.68	\$29.23	\$39.12
Architectural and Civil Drafters (17-3011)	\$16.69	\$19.58	\$24.20
Civil Engineering Technicians (17-3022)	\$18.90	\$22.54	\$26.31
Engineering Technicians, Except Drafters, All Other (17-3029)	\$21.90	\$25.31	\$29.35

Regional Trends



	Region	2016 Jobs	2020 Jobs	Change	% Change
●	Region	508	539	31	6.1%
●	State	10,479	10,641	162	1.5%
●	Nation	554,219	570,524	16,305	2.9%
●	Western Technical College District	508	539	31	6.1%

Regional Breakdown



County	2020 Jobs
La Crosse County, WI	269
Monroe County, WI	106
Trempealeau County, WI	49
Jackson County, WI	30
Juneau County, WI	28

Occupation Gender Breakdown



	Gender	2015 Jobs	2015 Percent
•	Males	419	84.0%
•	Females	80	16.0%


Occupation Age Breakdown



	Age	2015 Jobs	2015 Percent
•	14-18	2	0.4%
•	19-24	37	7.3%
•	25-34	96	19.1%
•	35-44	99	19.9%
•	45-54	127	25.4%
•	55-64	111	22.2%
•	65+	28	5.6%

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2015 Jobs	2015 Percent
●	White	480	96.2% 
●	Asian	7	1.3%
●	Black or African American	4	0.9%
●	Hispanic or Latino	4	0.8%
●	Two or More Races	2	0.4%
●	American Indian or Alaska Native	2	0.4%
●	Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

5 Programs (2014)		261 Completions (2014)	32 Openings (2014)
CIP Code	Program	Completions (2014)	
52.0201	Business Administration and Management, General	251	
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	6	
15.0101	Architectural Engineering Technology/Technician	2	
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 (2015)	% of Occupation Group in Industry (2015)	% of Total Jobs in Industry (2015)
Architectural Services	61	12.2%	44.9%
Federal Government, Civilian, Excluding Postal Service	44	8.8%	1.4%
Engineering Services	38	7.7%	12.9%
Local Government, Excluding Education and Hospitals	32	6.4%	0.4%
Commercial and Institutional Building Construction	22	4.5%	3.6%

Appendix A - Data Sources and Calculations

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.

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.

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.

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.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

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