

Occupation Overview

Emsi Q3 2017 Data Set

November 2017

College of Lake County



19351 West Washington Street
Grayslake, Illinois 60030
(847) 543-2000

Parameters

Occupations

17 items selected. See Appendix A for details.

Regions

Code	Description
17097	Lake County, IL

Timeframe

2019 - 2020

Datarun

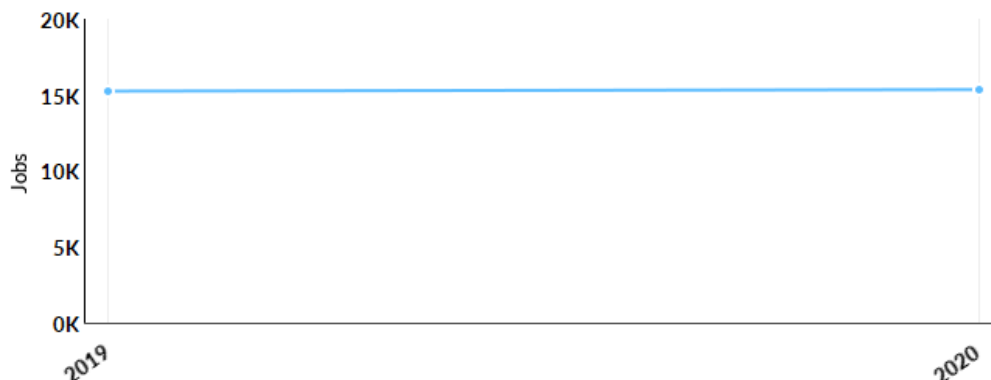
2017.3 - QCEW Employees and Self-Employed

Occupation Summary for ARM-AAS Degree Exploration

<p>14,753 Jobs (2016) 20% above National average</p>	<p>+0.7% % Change (2019-2020) Nation: +0.9%</p>	<p>\$22.02/hr Median Hourly Earnings Nation: \$20.19/hr</p>
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Growth

15,238 2019 Jobs	15,342 2020 Jobs	104 Change (2019-2020)	0.7% % Change (2019-2020)
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Occupation	2019 Jobs	2020 Jobs	Change	% Change
Electrical and Electronics Drafters (17-3012)	25	26	1	4%
Mechanical Drafters (17-3013)	147	146	-1	-1%
Electro-Mechanical Technicians (17-3024)	34	34	0	0%
Technical Writers (27-3042)	277	277	0	0%
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (41-4011)	1,434	1,436	2	0%
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products (41-4012)	5,145	5,175	30	1%
Computer, Automated Teller, and Office Machine Repairers (49-2011)	193	199	6	3%
Electric Motor, Power Tool, and Related Repairers (49-2092)	19	19	0	0%
Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)	16	16	0	0%
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	145	147	2	1%
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	80	81	1	1%
Electronic Equipment Installers and Repairers, Motor Vehicles (49-2096)	43	41	-2	-5%
Industrial Machinery Mechanics (49-9041)	689	702	13	2%
Maintenance Workers, Machinery (49-9043)	295	297	2	1%

Occupation	2019 Jobs	2020 Jobs	Change	% Change
Maintenance and Repair Workers, General (49-9071)	3,278	3,298	20	1%
Electrical and Electronic Equipment Assemblers (51-2022)	555	559	4	1%
Team Assemblers (51-2092)	2,863	2,891	28	1%

Percentile Earnings

\$14.45/hr

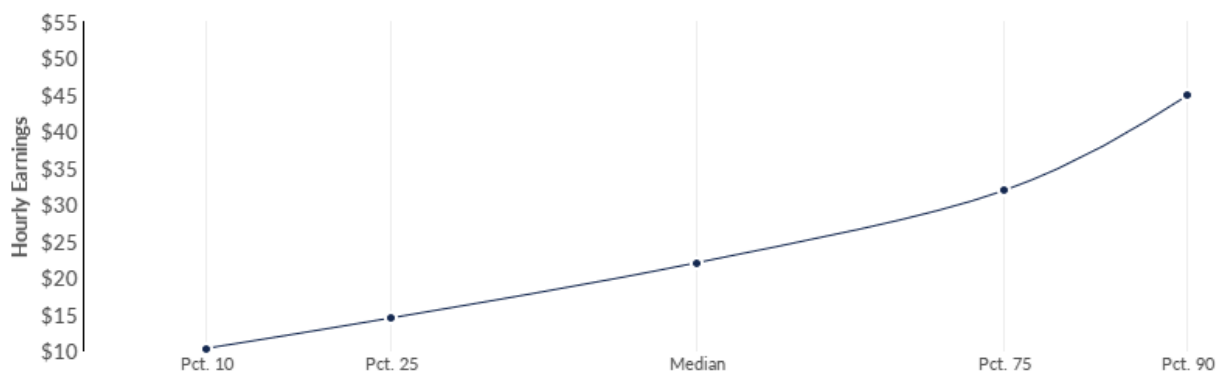
25th Percentile Earnings

\$22.02/hr

Median Earnings

\$31.88/hr

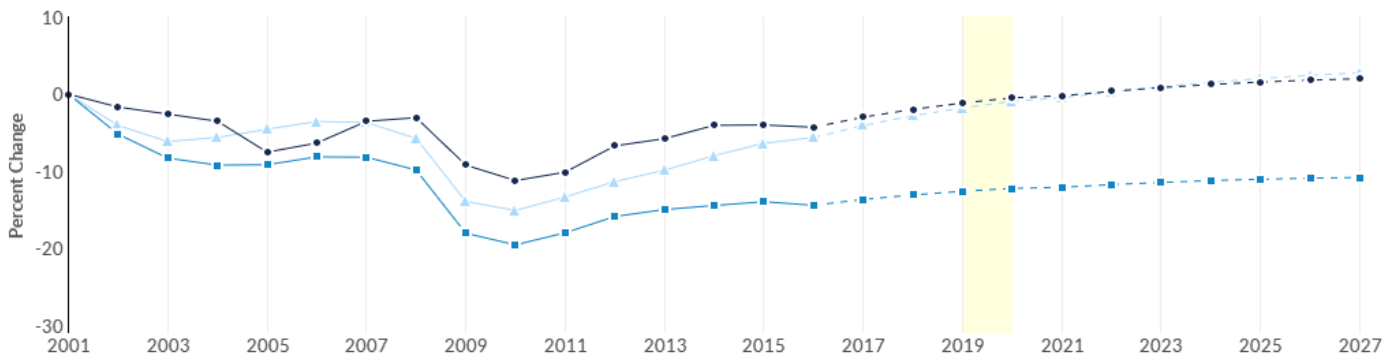
75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Electrical and Electronics Drafters (17-3012)	\$22.14	\$27.23	\$38.18
Mechanical Drafters (17-3013)	\$19.27	\$22.84	\$28.16
Electro-Mechanical Technicians (17-3024)	\$18.14	\$22.48	\$28.66
Technical Writers (27-3042)	\$26.56	\$33.48	\$40.98
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (41-4011)	\$25.68	\$33.04	\$45.59
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products (41-4012)	\$19.62	\$28.01	\$41.28
Computer, Automated Teller, and Office Machine Repairers (49-2011)	\$11.08	\$13.92	\$19.00
Electric Motor, Power Tool, and Related Repairers (49-2092)	\$14.62	\$20.95	\$28.25
Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)	\$21.06	\$24.58	\$26.95
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	\$18.23	\$23.48	\$28.58
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	\$31.11	\$34.29	\$37.87
Electronic Equipment Installers and Repairers, Motor Vehicles (49-2096)	\$15.09	\$18.95	\$25.19
Industrial Machinery Mechanics (49-9041)	\$20.10	\$24.81	\$29.92

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Maintenance Workers, Machinery (49-9043)	\$18.48	\$23.11	\$28.90
Maintenance and Repair Workers, General (49-9071)	\$14.44	\$19.96	\$27.06
Electrical and Electronic Equipment Assemblers (51-2022)	\$11.67	\$14.87	\$18.35
Team Assemblers (51-2092)	\$9.67	\$12.26	\$16.40

Regional Trends



Region	2019 Jobs	2020 Jobs	Change	% Change
● Region	15,238	15,342	104	0.7%
■ State	230,132	231,123	991	0.4%
▲ Nation	5,559,973	5,609,115	49,142	0.9%

Regional Breakdown



* Highlighted areas show counties that contain the selected zip codes

ZIP	2020 Jobs
Buffalo Grove, IL 60089 (in Lake county)	1,552
Deerfield, IL 60015 (in Lake county)	1,295
Waukegan, IL 60085 (in Lake county)	1,233
Vernon Hills, IL 60061 (in Lake county)	1,184
Gurnee, IL 60031 (in Lake county)	1,043

Occupation Gender Breakdown



Gender	2016 Jobs	2016 Percent
● Males	10,469	71.0%
● Females	4,284	29.0%

Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	39	0.3%
19-24	581	3.9%
25-34	2,501	17.0%
35-44	3,472	23.5%
45-54	4,255	28.8%
55-64	3,080	20.9%
65+	825	5.6%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2016 Jobs	2016 Percent
White	10,754	72.9%
Hispanic or Latino	2,101	14.2%
Asian	910	6.2%
Black or African American	867	5.9%
Two or More Races	85	0.6%
American Indian or Alaska Native	21	0.1%
Native Hawaiian or Other Pacific Islander	14	0.1%

Occupational Programs

8 Programs (2016)	298 Completions (2016)	1,669 Openings (2016)
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CIP Code	Program	Completions (2016)
47.0604	Automobile/Automotive Mechanics Technology/Technician	285
47.0104	Computer Installation and Repair Technology/Technician	7
52.1804	Selling Skills and Sales Operations	5
47.0303	Industrial Mechanics and Maintenance Technology	1
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	0

Industries Employing ARM-AAS Degree Exploration

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Pharmaceutical Preparation Manufacturing	965	6.5%	7.2%
Wholesale Trade Agents and Brokers	934	6.3%	33.1%
Surgical and Medical Instrument Manufacturing	824	5.6%	14.6%
Drugs and Druggists' Sundries Merchant Wholesalers	716	4.9%	21.2%
Temporary Help Services	663	4.5%	4.8%

Appendix A - Occupations

Code	Description
17-3012	Electrical and Electronics Drafters
17-3013	Mechanical Drafters
17-3024	Electro-Mechanical Technicians
27-3042	Technical Writers
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
49-2011	Computer, Automated Teller, and Office Machine Repairers
49-2092	Electric Motor, Power Tool, and Related Repairers
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
49-9041	Industrial Machinery Mechanics
49-9043	Maintenance Workers, Machinery
49-9071	Maintenance and Repair Workers, General
51-2022	Electrical and Electronic Equipment Assemblers
51-2092	Team Assemblers

Appendix B - 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; Wisconsin Department of Workforce Development, Bureau of Workforce Information