

Electronic Systems Installation & Maintenance

Five Year Trend

Five Year Enrollment Change	146.7%		FY 2008 FTEs	11.19
Five Year FTEs Change	221.0%		FY 2009 FTEs	20.15
Five Year Graduate Change	233.3%		FY 2010 FTEs	23.95
FY 2007 Enrollee	15		FY 2011 FTEs	21.92
FY 2008 Enrollee	24		FY 2007 Graduate	6
FY 2009 Enrollee	38		FY 2008 Graduate	12
FY 2010 Enrollee	42		FY 2009 Graduate	19
FY 2011 Enrollee	37		FY 2010 Graduate	21
FY 2007 FTEs	6.83		FY 2011 Graduate	20

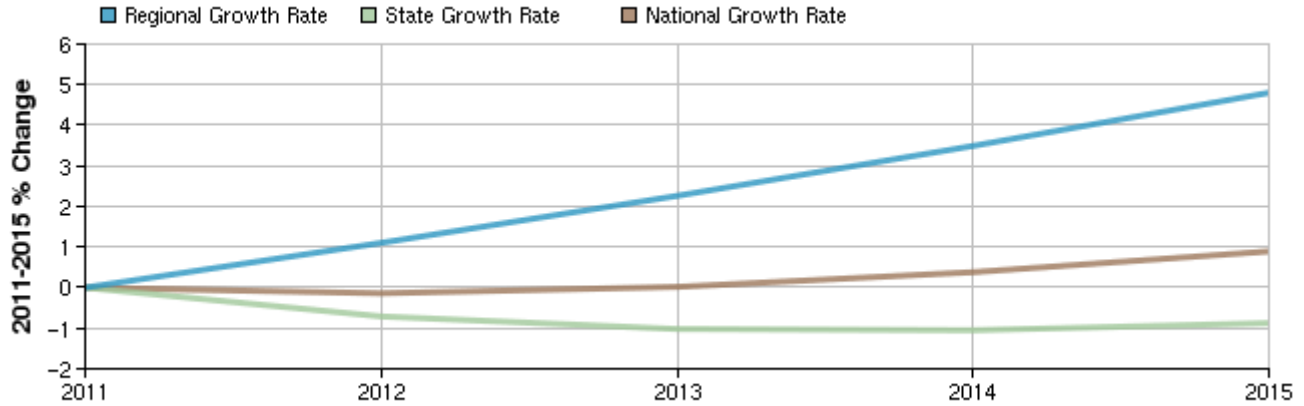
Selected Occupations

Occupation	Education Level
Industrial engineering technicians (SOC 17-3026)	Associate's degree
Electricians (SOC 47-2111)	Long-term on-the-job training
First-line supervisors/managers of mechanics, installers, and repairers (SOC 49-1011)	Work experience in a related field
Computer, automated teller, and office machine repairers (SOC 49-2011)	Postsecondary vocational award
Electrical and electronics repairers, commercial and industrial equipment (SOC 49-2094)	Postsecondary vocational award
Electronic home entertainment equipment installers and repairers (SOC 49-2097)	Postsecondary vocational award
Maintenance workers, machinery (SOC 49-9043)	Short-term on-the-job training

Executive Summary

Basic Information	
2011 Occupational Jobs	1,416
2015 Occupational Jobs	1,484
Total Change	68
Total % Change	5.01%
Openings	209
2011 Median Hourly Earnings	\$22.49

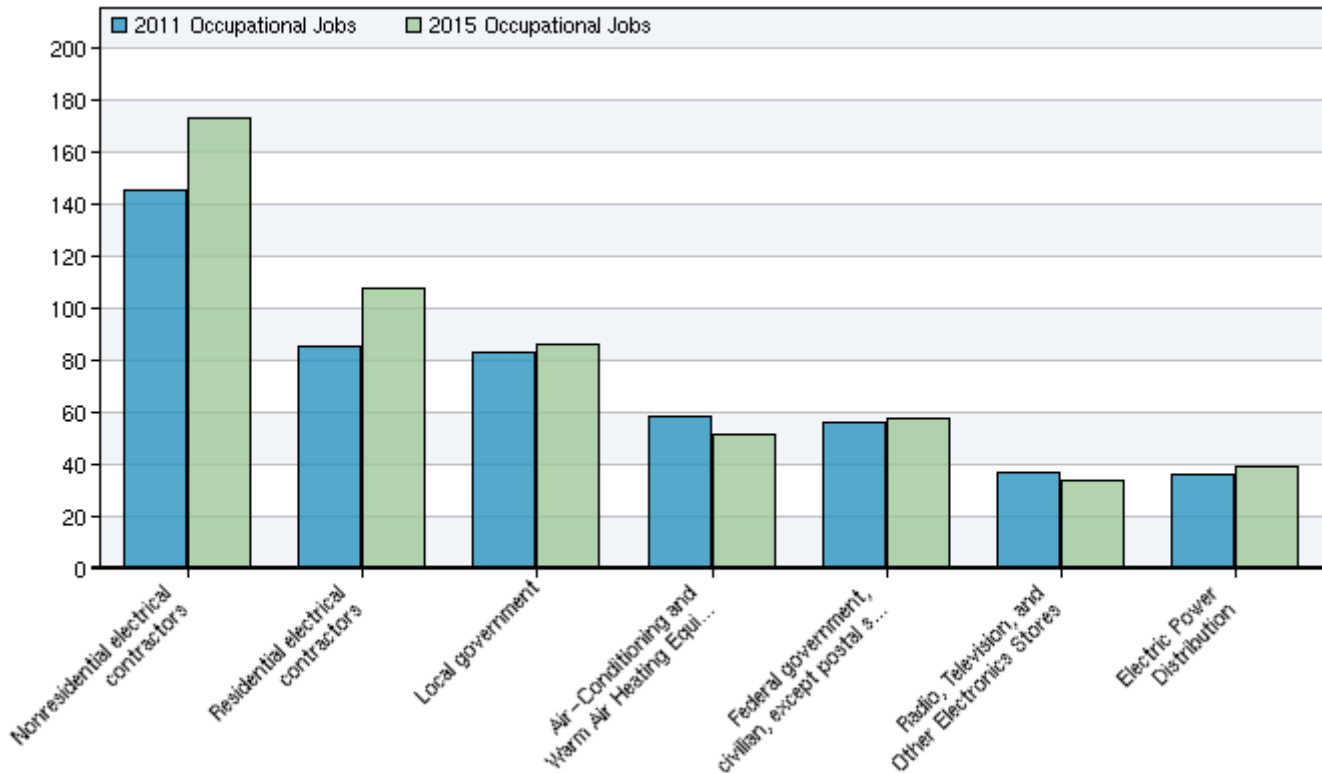
Occupational Change Summary



Region	2011 Jobs	2015 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	1,416	1,484	68	5%	209	\$22.49
State Total	29,854	29,593	-261	-1%	3,450	\$23.44
National Total	1,501,832	1,515,233	13,401	1%	182,774	\$22.86

Source: EMSI Complete Employment - 2011.3

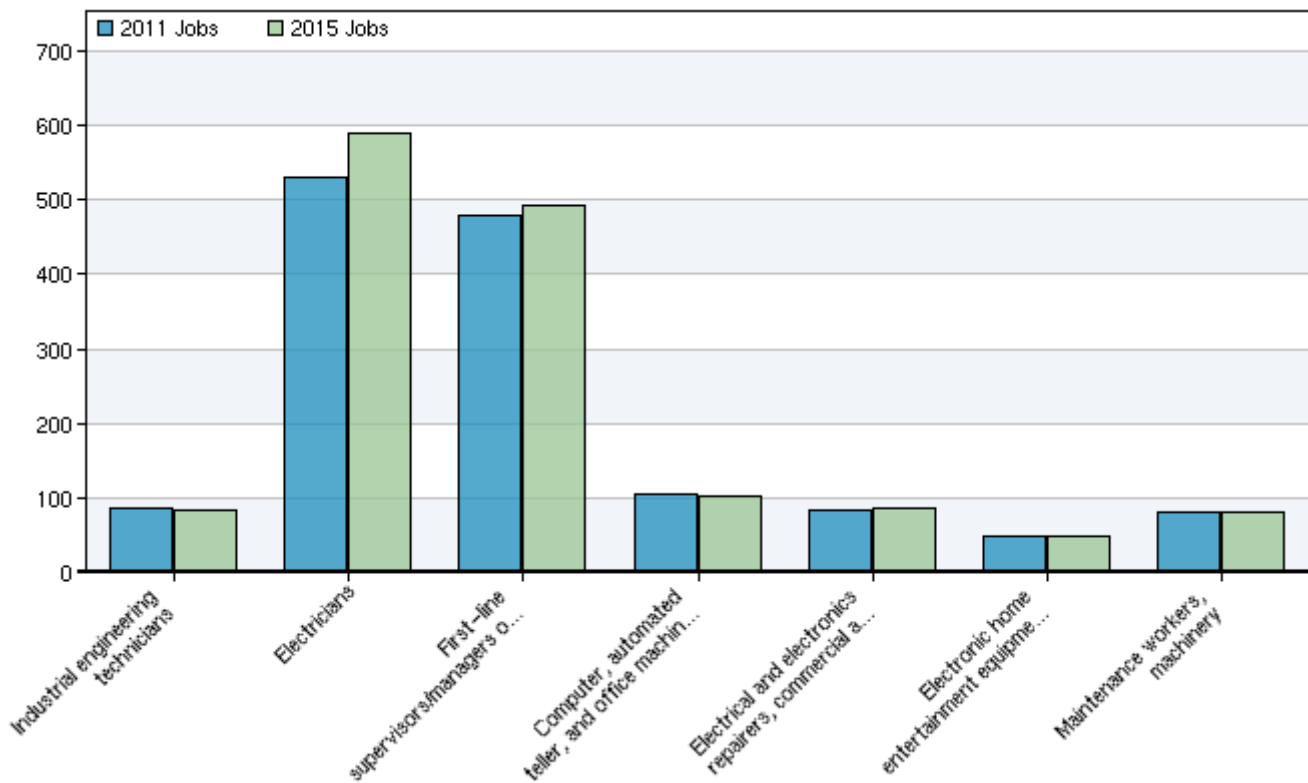
Top Industries for Selected Occupations



NAICS Code	Name	2011 Jobs	2015 Jobs	Change	% Change
238212	Nonresidential electrical contractors	145	173	28	19%
238211	Residential electrical contractors	85	107	22	26%
930000	Local government	83	86	3	4%
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	59	51	-8	-14%
911000	Federal government, civilian, except postal service	56	58	2	4%
443112	Radio, Television, and Other Electronics Stores	37	34	-3	-8%
221122	Electric Power Distribution	36	39	3	8%

Source: EMSI Complete Employment - 2011.3

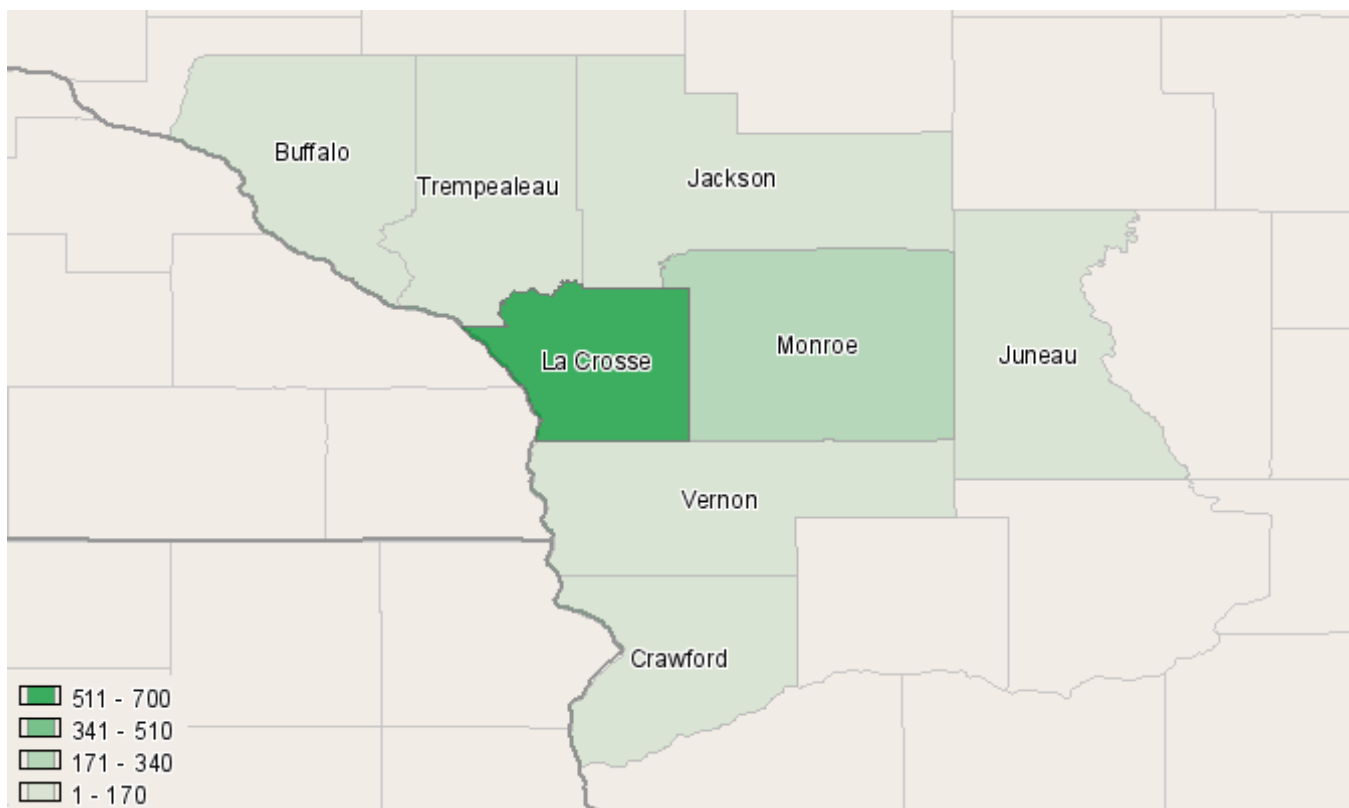
Occupational Breakdown



SOC Code	Description	2011 Jobs	2015 Jobs	Openings	2011 Median Hourly Earnings
17-3026	Industrial engineering technicians	85	85	8	\$19.32
47-2111	Electricians	531	589	109	\$23.15
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	479	492	63	\$25.02
49-2011	Computer, automated teller, and office machine repairers	106	103	9	\$19.77
49-2094	Electrical and electronics repairers, commercial and industrial equipment	84	85	8	\$19.70
49-2097	Electronic home entertainment equipment installers and repairers	49	50	5	\$14.14
49-9043	Maintenance workers, machinery	80	81	6	\$17.97
	Total	1,416	1,484	209	\$22.49

Source: EMSI Complete Employment - 2011.3

Occupation Distribution



County	2011 Jobs
La Crosse, WI (55063)	665
Monroe, WI (55081)	240
Juneau, WI (55057)	110
Trempealeau, WI (55121)	109
Buffalo, WI (55011)	79
Crawford, WI (55023)	75
Vernon, WI (55123)	75
Jackson, WI (55053)	63

Source: EMSI Complete Employment - 2011.3

Three Year Graduate Employers

Electronic Systems Installation & Maintenance

2009-2010

Graduates	21
Graduates Responding	18
Employed in Related Occupations	8
Employed in Non-Related Occupations	2
Seeking Employment	3
Not in Labor Market	0
Continuing Education	5

Apprentice	Coulee Region Mechanical, La Crosse, WI
Demanufacturer	Dynamic Recycling, La Crosse, WI
Maintenance Technician	Golden Plump, Arcadia, WI
Maintenance Technician	Cardinal IG, Tomah, WI (3)
Maintenance Technician	Kwik Trip, La Crosse, WI
Service Technician	D & R Vending, Austin, MN

Region Information

Region: Western Technical College District

Description: Western District Counties

County Areas: Buffalo, Wisconsin (55011), Crawford, Wisconsin (55023), Jackson, Wisconsin (55053), Juneau, Wisconsin (55057), La Crosse, Wisconsin (55063), Monroe, Wisconsin (55081), Trempealeau, Wisconsin (55121), Vernon, Wisconsin (55123)

Data Sources and Calculations

Industry Data

In order to capture a complete picture of industry employment, EMSI basically combines covered employment data from Quarterly Census of Employment and Wages (QCEW) produced by the Department of Labor with total employment data in Regional Economic Information System (REIS) published by the Bureau of Economic Analysis (BEA), augmented with County Business Patterns (CBP) and Non-employer Statistics (NES) published by the U.S. Census Bureau. Projections are based on the latest available EMSI industry data, 15-year past local trends in each industry, growth rates in statewide and (where available) sub-state area industry projections published by individual state agencies, and (in part) growth rates in national projections from the Bureau of Labor Statistics.

Occupational Data

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

State Data Sources

This report uses state data from the following agencies:

- Wisconsin Department of Workforce Development
- Bureau of Workforce Information