

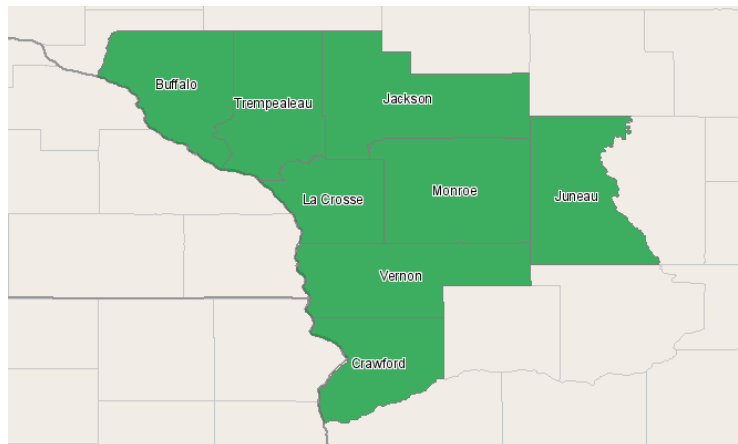
# Western Technical College



400 Seventh Street  
La Crosse, Wisconsin 54601  
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## Electronic Systems Installation & Maintenance Occupation Report April 26, 2012

Western Technical College District



## Region Info

Name: 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)

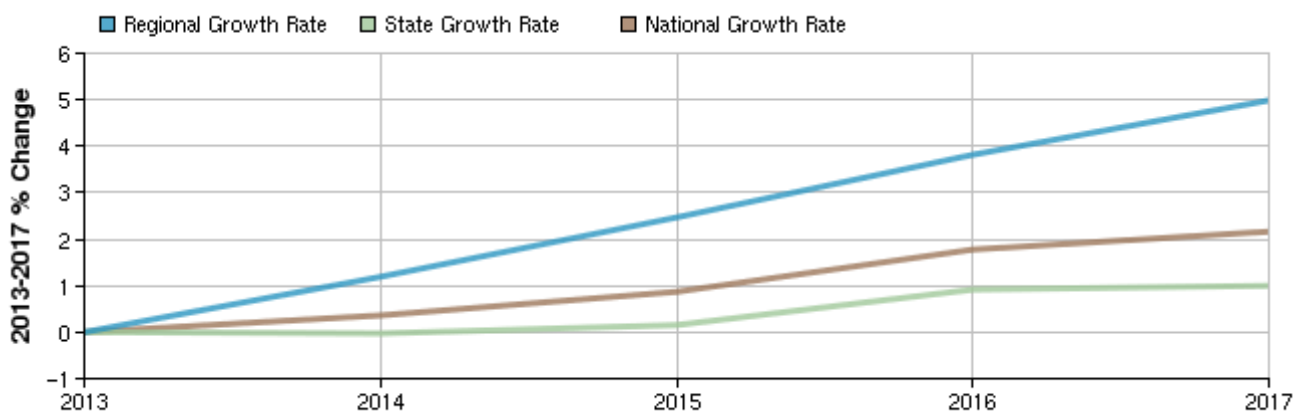
## Selected Occupations

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)	Moderate-term on-the-job training

## Executive Summary

Basic Information	
2013 Occupational Jobs	1,443
2017 Occupational Jobs	1,515
Total Change	72
Total % Change	5.06%
Openings	208
2011 Median Hourly Earnings	\$22.26

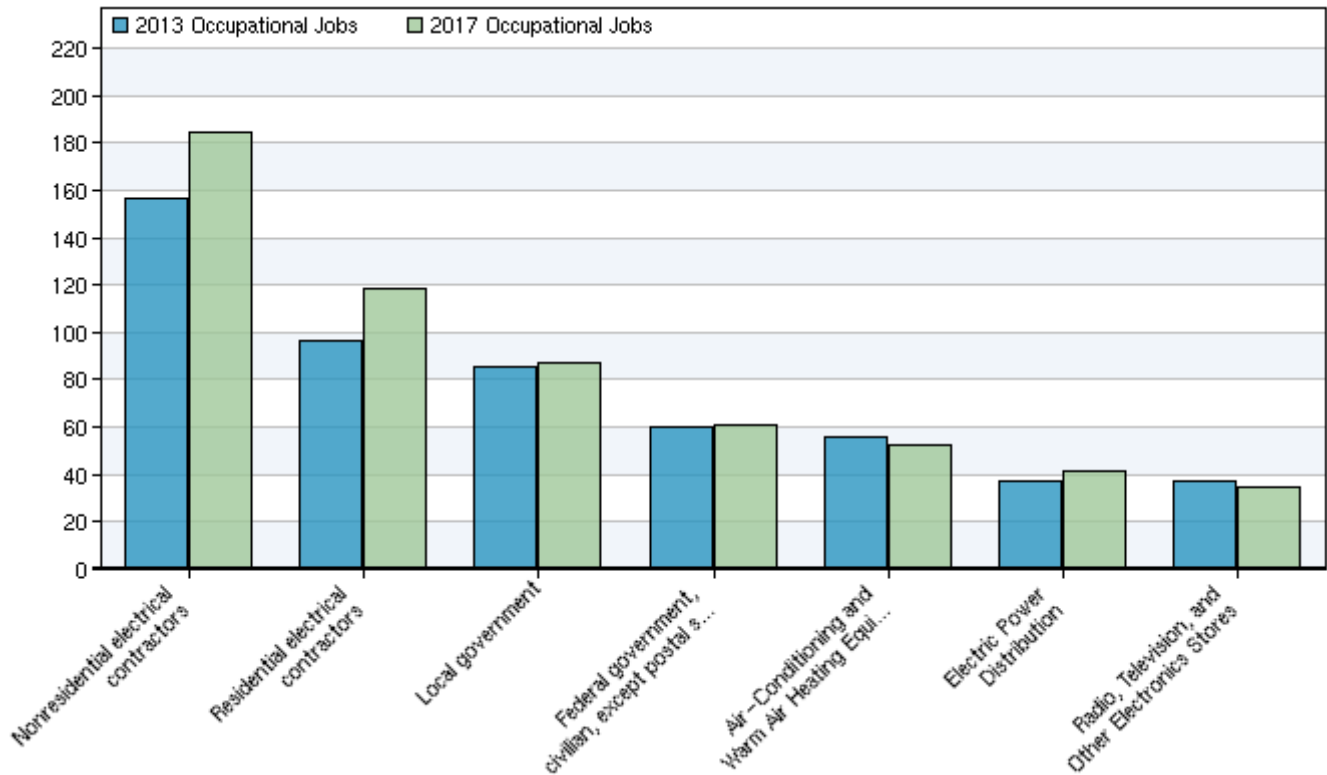
## Occupational Change Summary



Region	2013 Jobs	2017 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	1,443	1,515	72	5%	208	\$22.26
State Total	29,696	29,993	297	1%	3,610	\$23.25
National Total	1,510,404	1,543,076	32,672	2%	189,721	\$22.71

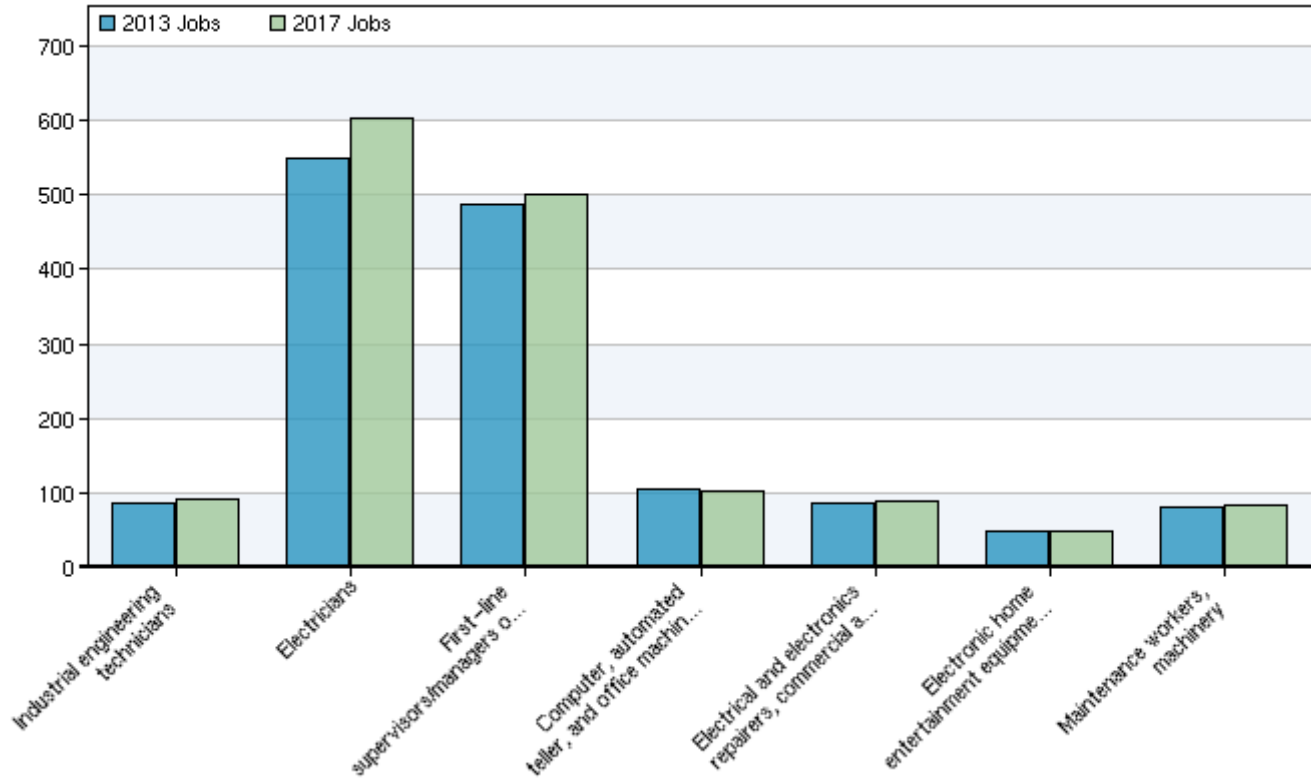
Source: EMSI Complete Employment - 2011.4

## Top Industries for Selected Occupations



NAICS Code	Name	2013 Jobs	2017 Jobs	Change	% Change
238212	Nonresidential electrical contractors	157	184	27	17%
238211	Residential electrical contractors	96	118	22	23%
930000	Local government	85	87	2	2%
911000	Federal government, civilian, except postal service	60	61	1	2%
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	56	52	-4	-7%
221122	Electric Power Distribution	38	41	3	8%
443112	Radio, Television, and Other Electronics Stores	37	35	-2	-5%

## Occupational Breakdown



SOC Code	Description	2013 Jobs	2017 Jobs	Openings	2011 Median Hourly Earnings
17-3026	Industrial engineering technicians	85	91	12	\$18.97
47-2111	Electricians	550	603	104	\$22.77
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	486	501	65	\$25.06
49-2011	Computer, automated teller, and office machine repairers	105	101	8	\$19.45
49-2094	Electrical and electronics repairers, commercial and industrial equipment	87	88	8	\$19.66
49-2097	Electronic home entertainment equipment installers and repairers	48	48	4	\$13.25
49-9043	Maintenance workers, machinery	81	83	7	\$17.81
	Total	1,443	1,515	208	\$22.26

Source: EMSI Complete Employment - 2011.4

## 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 Nonemployer 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.

## **Occupation 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.