

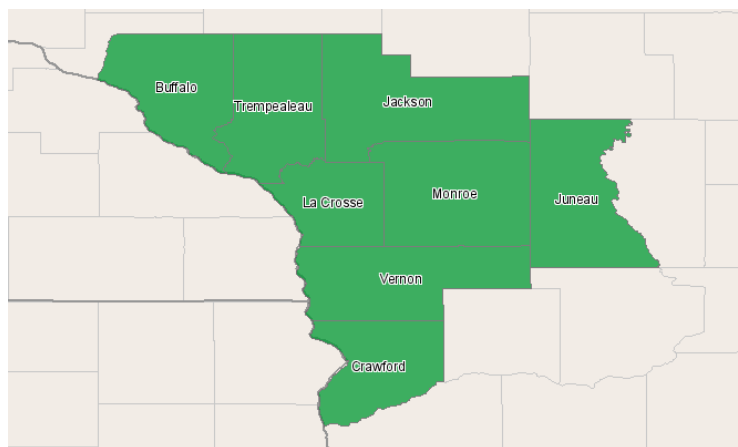
# Western Technical College



400 Seventh Street  
La Crosse, Wisconsin 54601  
608.785.9200

## Electronic & Computer Engineering Technology 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)

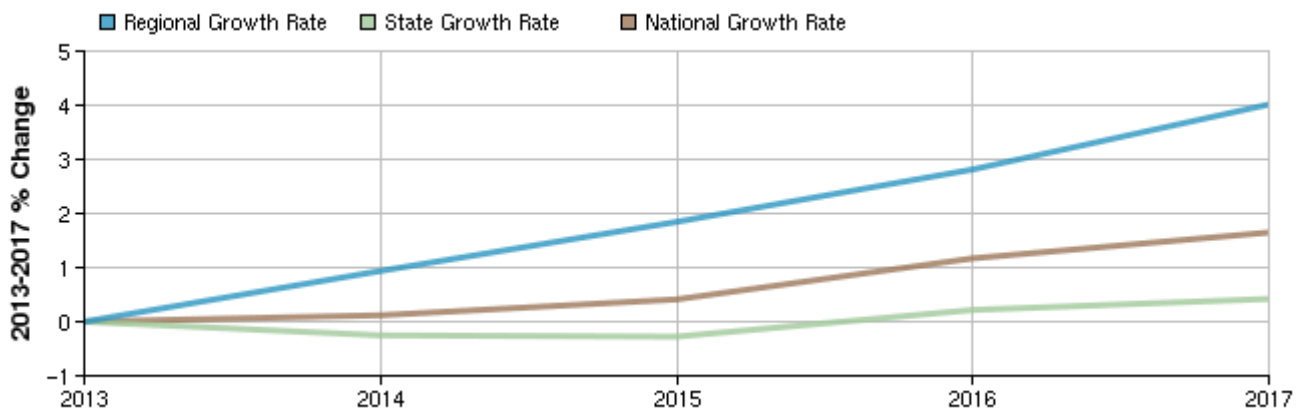
## Selected Occupations

Occupation	Education Level
Computer hardware engineers (SOC 17-2061)	Bachelor's degree
Electronics engineers, except computer (SOC 17-2072)	Bachelor's degree
Electrical and electronics drafters (SOC 17-3012)	Postsecondary vocational award
Electrical and electronic engineering technicians (SOC 17-3023)	Associate's degree
Telecommunications equipment installers and repairers, except line installers (SOC 49-2022)	Postsecondary vocational award
Electrical and electronics repairers, powerhouse, substation, and relay (SOC 49-2095)	Postsecondary vocational award
Power plant operators (SOC 51-8013)	Long-term on-the-job training

## Executive Summary

Basic Information	
2013 Occupational Jobs	677
2017 Occupational Jobs	705
Total Change	28
Total % Change	3.84%
Openings	86
2011 Median Hourly Earnings	\$23.83

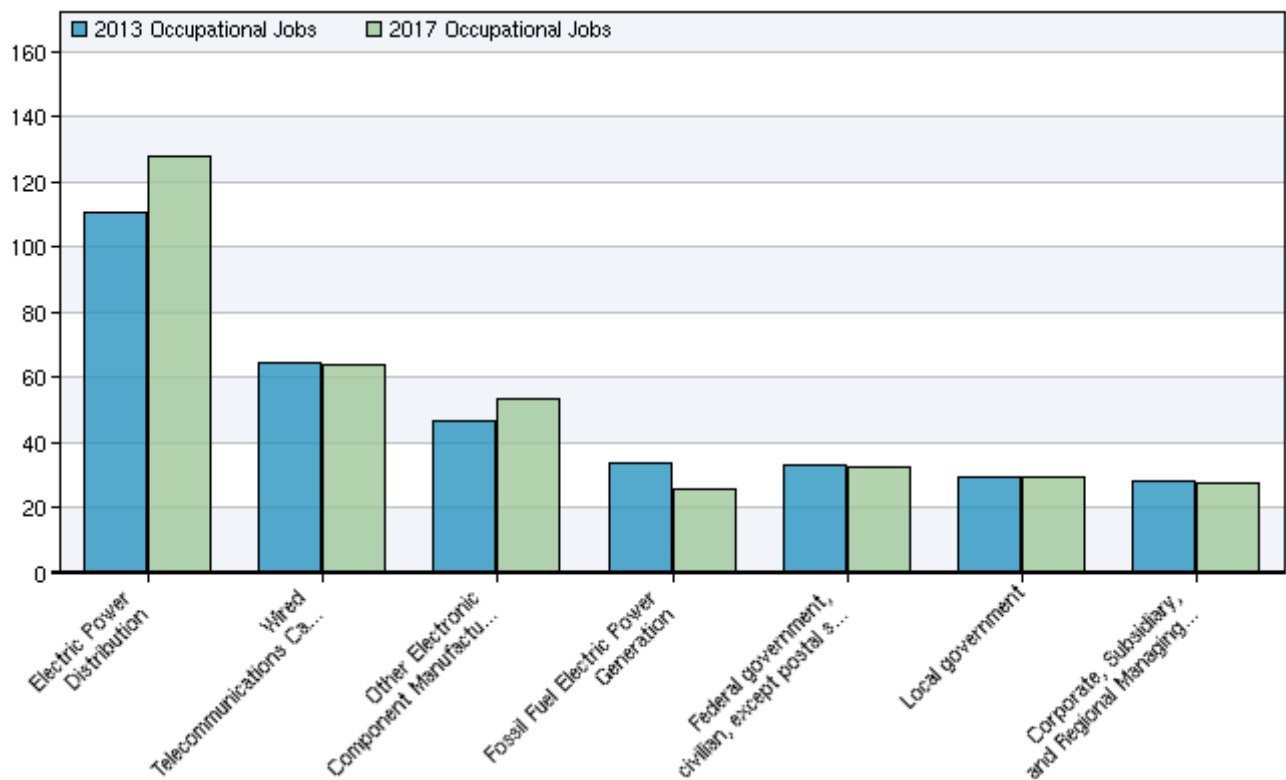
## Occupational Change Summary



Region	2013 Jobs	2017 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	677	705	28	4%	86	\$23.83
State Total	10,574	10,619	45	0%	1,273	\$26.24
National Total	660,167	671,047	10,880	2%	79,033	\$31.03

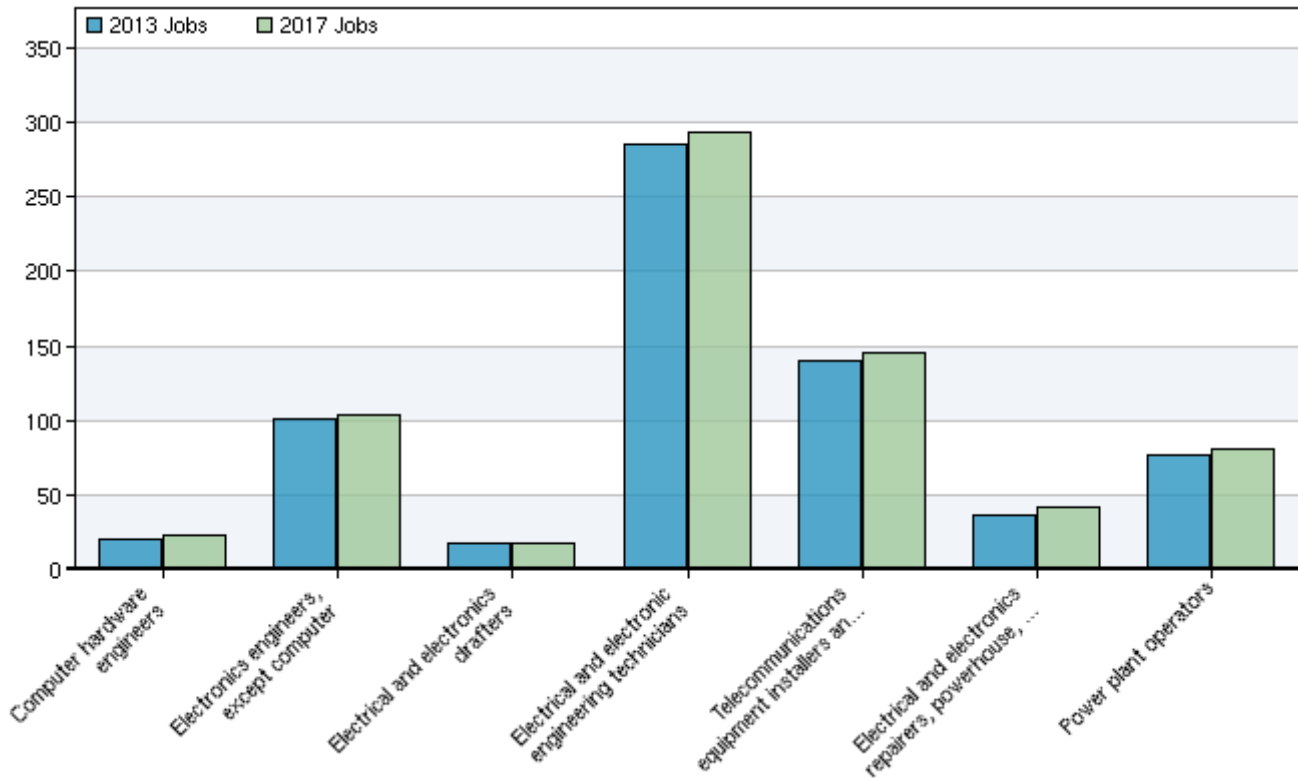
Source: EMSI Complete Employment - 2011.4

## Top Industries for Selected Occupations



NAICS Code	Name	2013 Jobs	2017 Jobs	Change	% Change
221122	Electric Power Distribution	111	128	17	15%
517110	Wired Telecommunications Carriers	64	64	0	0%
334419	Other Electronic Component Manufacturing	47	53	6	13%
221112	Fossil Fuel Electric Power Generation	34	26	-8	-24%
911000	Federal government, civilian, except postal service	33	33	0	0%
930000	Local government	29	30	1	3%
551114	Corporate, Subsidiary, and Regional Managing Offices	29	28	-1	-3%

## Occupational Breakdown



SOC Code	Description	2013 Jobs	2017 Jobs	Openings	2011 Median Hourly Earnings
17-2061	Computer hardware engineers	20	22	4	\$35.80
17-2072	Electronics engineers, except computer	101	104	12	\$29.99
17-3012	Electrical and electronics drafters	17	18	2	\$19.91
17-3023	Electrical and electronic engineering technicians	285	293	30	\$22.58
49-2022	Telecommunications equipment installers and repairers, except line installers	140	145	16	\$18.85
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	37	41	7	\$26.80
51-8013	Power plant operators	77	80	15	\$25.90
	Total	677	705	86	\$23.83

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.