

Electronic & Computer Engineering Technology

Five Year Trend

Five Year Enrollment Change	777.8%		FY 2008 FTEs	9.93
Five Year FTEs Change	781.6%		FY 2009 FTEs	34.80
Five Year Graduate Change			FY 2010 FTEs	48.97
FY 2007 Enrollee	9		FY 2011 FTEs	49.07
FY 2008 Enrollee	17		FY 2007 Graduate	0
FY 2009 Enrollee	55		FY 2008 Graduate	1
FY 2010 Enrollee	81		FY 2009 Graduate	2
FY 2011 Enrollee	79		FY 2010 Graduate	5
FY 2007 FTEs	5.57		FY 2011 Graduate	14

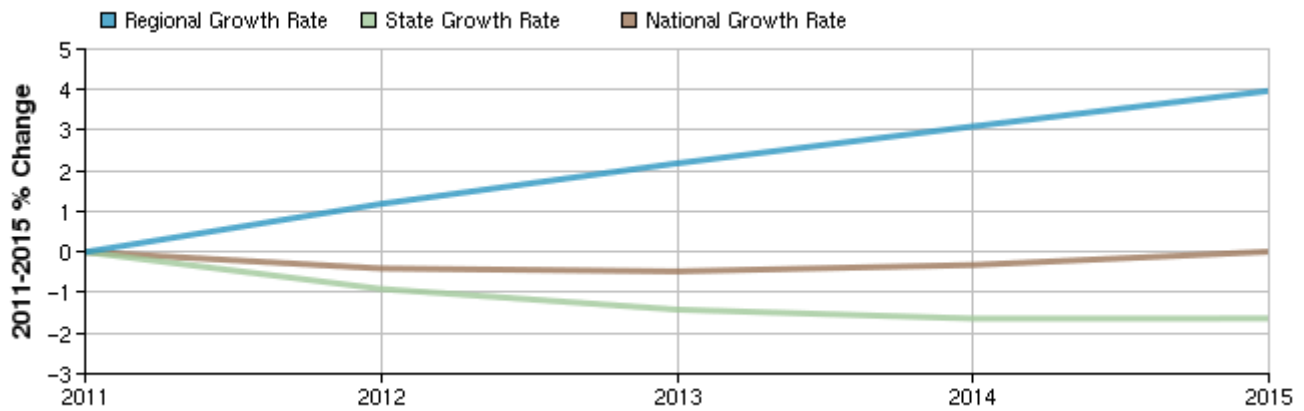
Selected Occupations

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)	Long-term on-the-job training
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	
2011 Occupational Jobs	659
2015 Occupational Jobs	685
Total Change	26
Total % Change	4.25%
Openings	87
2011 Median Hourly Earnings	\$23.58

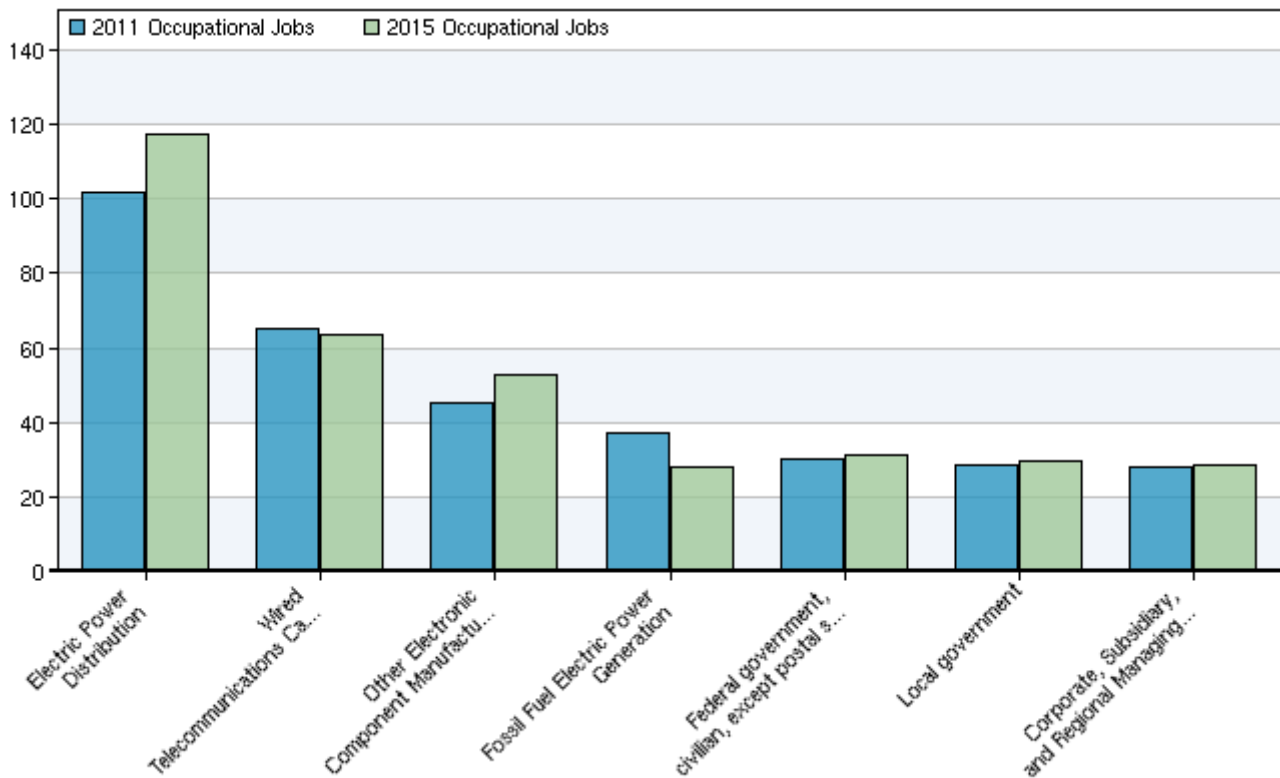
Occupational Change Summary



Region	2011 Jobs	2015 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	659	685	26	4%	87	\$23.58
State Total	10,766	10,590	-176	-2%	1,284	\$26.25
National Total	663,900	663,954	54	0%	77,978	\$31.02

Source: EMSI Complete Employment - 2011.3

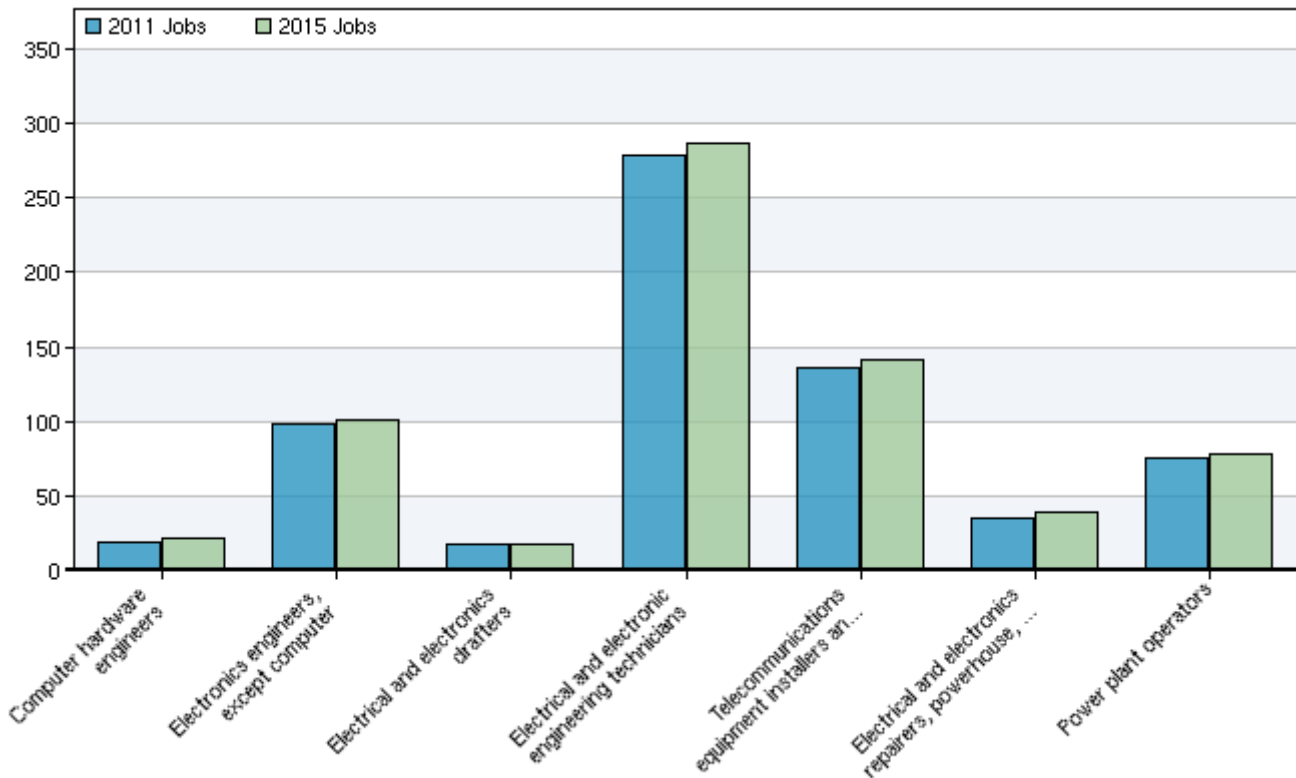
Top Industries for Selected Occupations



NAICS Code	Name	2011 Jobs	2015 Jobs	Change	% Change
221122	Electric Power Distribution	102	118	16	16%
517110	Wired Telecommunications Carriers	65	64	-1	-2%
334419	Other Electronic Component Manufacturing	45	53	8	18%
221112	Fossil Fuel Electric Power Generation	37	28	-9	-24%
911000	Federal government, civilian, except postal service	30	31	1	3%
930000	Local government	29	29	0	0%
551114	Corporate, Subsidiary, and Regional Managing Offices	28	28	0	0%

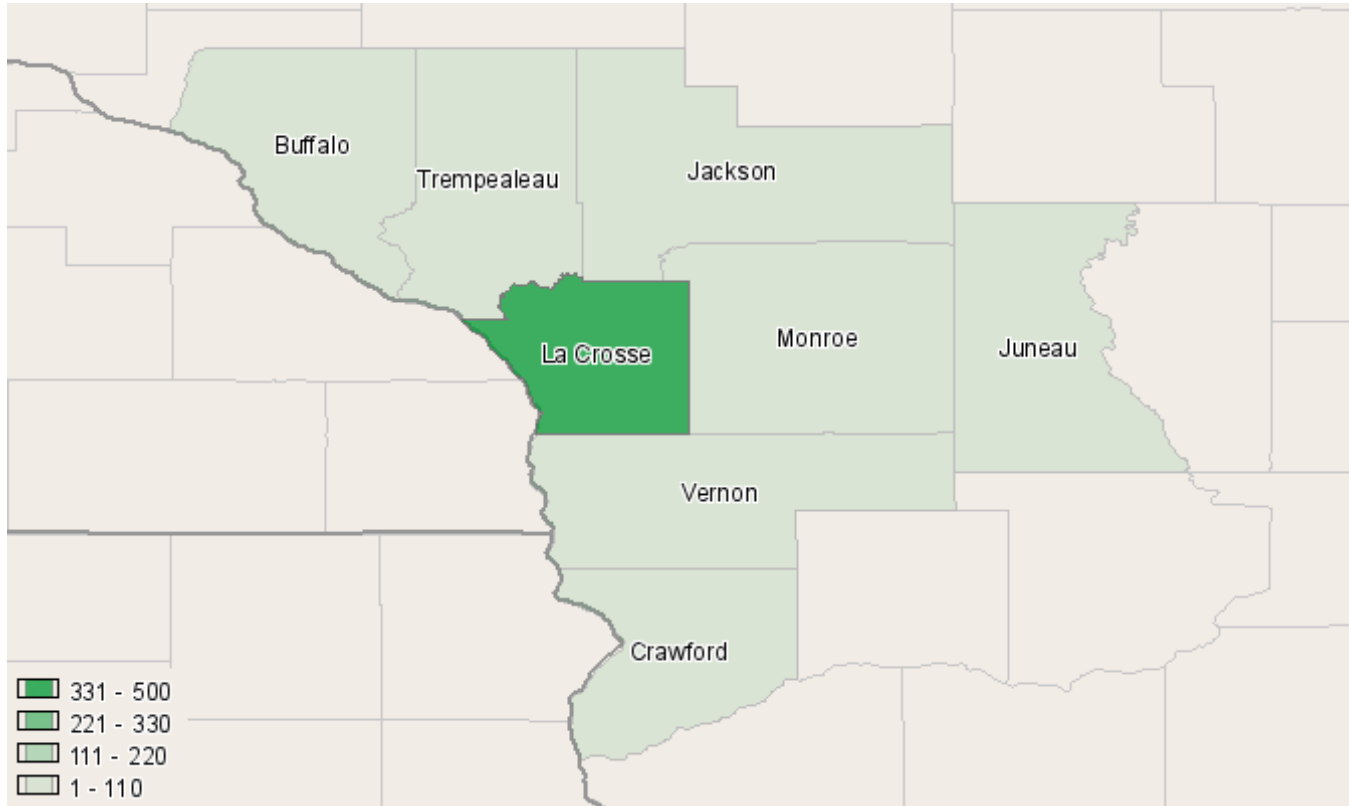
Source: EMSI Complete Employment - 2011.3

Occupational Breakdown



SOC Code	Description	2011 Jobs	2015 Jobs	Openings	2011 Median Hourly Earnings
17-2061	Computer hardware engineers	19	22	5	\$36.93
17-2072	Electronics engineers, except computer	98	101	12	\$29.95
17-3012	Electrical and electronics drafters	17	18	2	\$19.94
17-3023	Electrical and electronic engineering technicians	279	287	30	\$22.48
49-2022	Telecommunications equipment installers and repairers, except line installers	136	142	16	\$18.58
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	35	39	7	\$25.90
51-8013	Power plant operators	75	78	15	\$24.84
	Total	659	685	87	\$23.58

Occupation Distribution



County	2011 Jobs
La Crosse, WI (55063)	450
Monroe, WI (55081)	53
Buffalo, WI (55011)	46
Vernon, WI (55123)	36
Trempealeau, WI (55121)	24
Juneau, WI (55057)	22
Jackson, WI (55053)	14
Crawford, WI (55023)	14

Source: EMSI Complete Employment - 2011.3

Three Year Graduate Employers

Electrical & Computer Engineering Technology

2010: Electronic & Computer Engineering Technology

2008-2009

Graduates	2
Graduates Responding	2
Employed in Related Occupations	2
Employed in Non-Related Occupations	0
Seeking Employment	0
Not in Labor Market	0

Controlled Systems Intern	Dairyland Power Co., La Crosse, WI
Maintenance Mechanic	Sara Lee, La Crosse, WI

2009-2010

Graduates	6
Graduates Responding	6
Employed in Related Occupations	3
Employed in Non-Related Occupations	1
Seeking Employment	0
Not in Labor Market	0
Continuing Education	2

Inspector	Progressive Image, New Berlin, WI
Telecom Technician	Dairyland Power Co., La Crosse, WI
Telecommunications Services	Dairyland Power Co., La Crosse, WI

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