

Refrigeration, Air Conditioning and Heating Service

Five Year Trend

Five Year Enrollment Change	51.9%		FY 2008 FTEs	29.73
Five Year FTEs Change	16.6%		FY 2009 FTEs	30.39
Five Year Graduate Change	27.3%		FY 2010 FTEs	35.85
FY 2007 Enrollee	27		FY 2011 FTEs	25.29
FY 2008 Enrollee	37		FY 2007 Graduate	11
FY 2009 Enrollee	56		FY 2008 Graduate	0
FY 2010 Enrollee	55		FY 2009 Graduate	17
FY 2011 Enrollee	41		FY 2010 Graduate	26
FY 2007 FTEs	21.69		FY 2011 Graduate	14

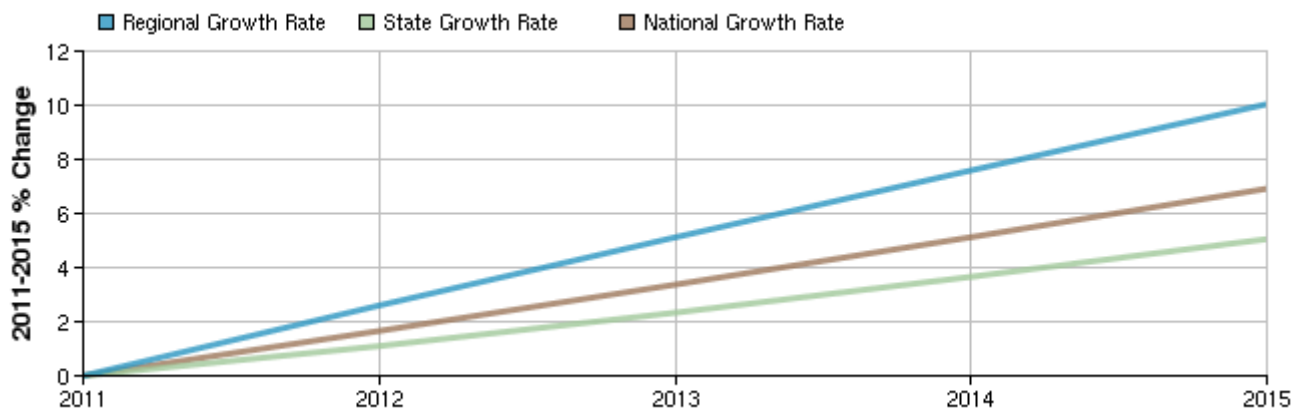
Selected Occupations

Occupation	Education Level
Heating, air conditioning, and refrigeration mechanics and installers (SOC 49-9021)	Long-term on-the-job training

Executive Summary

Basic Information	
2011 Occupational Jobs	316
2015 Occupational Jobs	348
Total Change	32
Total % Change	10.13%
Openings	53
2011 Median Hourly Earnings	\$18.99

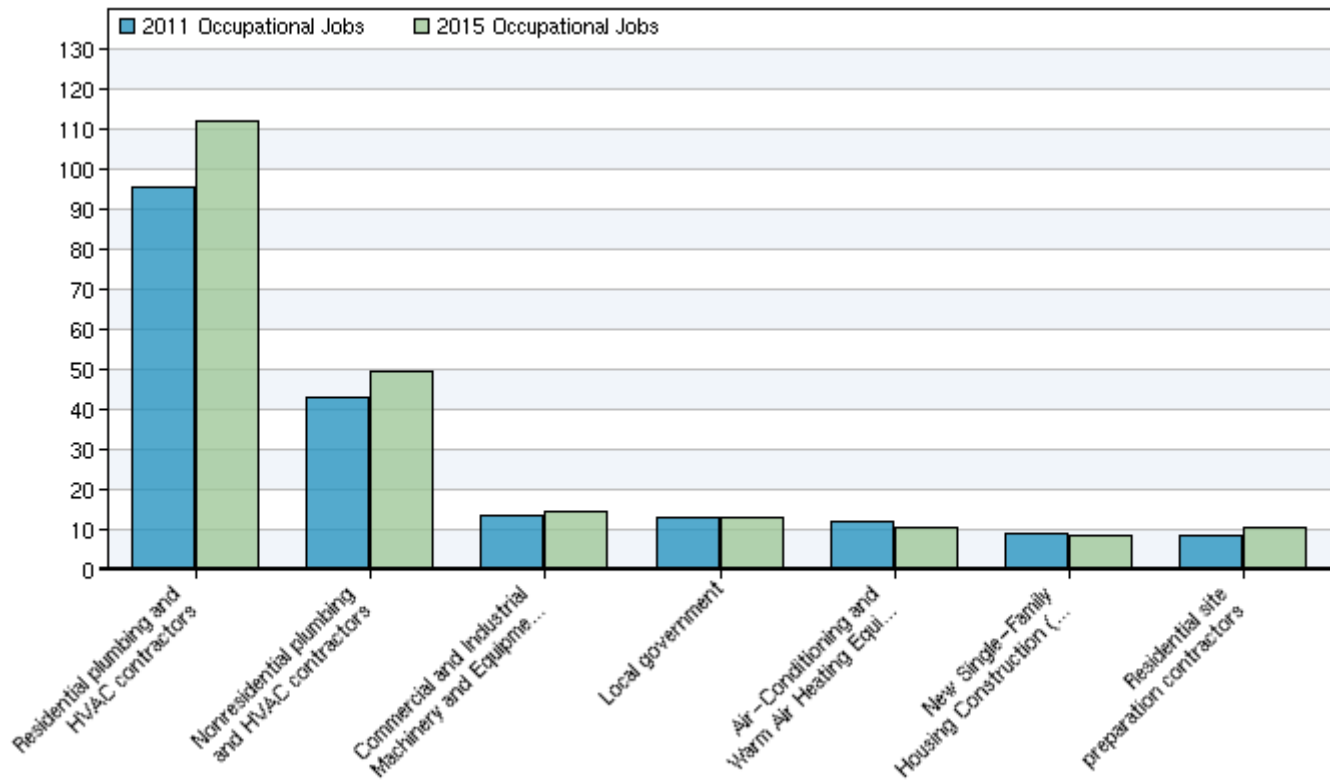
Occupational Change Summary



Region	2011 Jobs	2015 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	316	348	32	10%	53	\$18.99
State Total	6,255	6,571	316	5%	748	\$19.42
National Total	320,000	342,134	22,134	7%	44,028	\$19.48

Source: EMSI Complete Employment - 2011.3

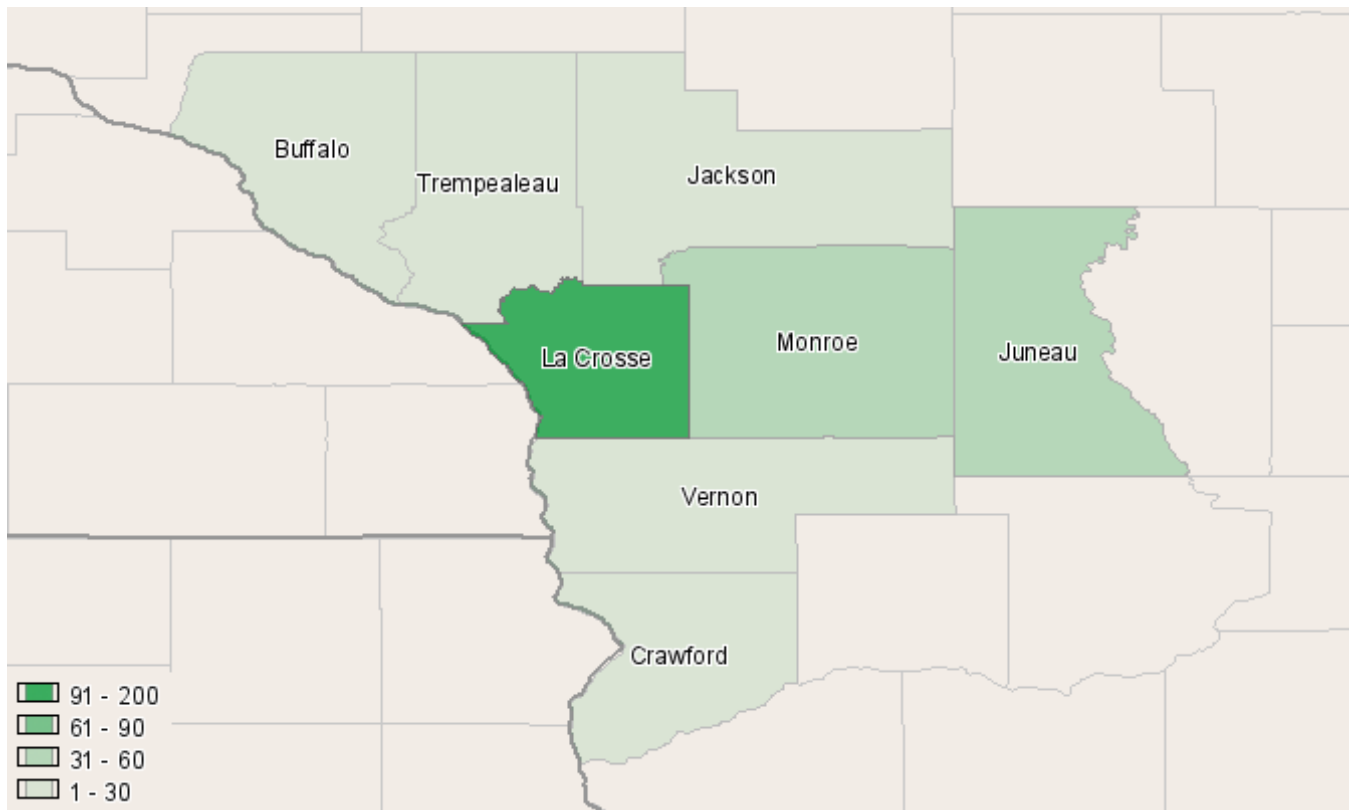
Top Industries for Selected Occupation



NAICS Code	Name	2011 Jobs	2015 Jobs	Change	% Change
238221	Residential plumbing and HVAC contractors	96	112	16	17%
238222	Nonresidential plumbing and HVAC contractors	43	50	7	16%
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	14	14	0	0%
930000	Local government	13	13	0	0%
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	12	10	-2	-17%
236115	New Single-Family Housing Construction (except Operative Builders)	<10	<10	--	--
238911	Residential site preparation contractors	<10	10	--	--

Source: EMSI Complete Employment - 2011.3

Occupation Distribution



County	2011 Jobs
La Crosse, WI (55063)	134
Monroe, WI (55081)	47
Juneau, WI (55057)	47
Buffalo, WI (55011)	19
Vernon, WI (55123)	19
Jackson, WI (55053)	17
Trempealeau, WI (55121)	16
Crawford, WI (55023)	16

Source: EMSI Complete Employment - 2011.3

Three Year Graduate Employers

Refrigeration, AC, Heating, Service Technician

2007-2008

Graduates	11
Graduates Responding	8
Employed in Related Occupations	8
Employed in Non-Related Occupations	0
Seeking Employment	0
Not in Labor Market	0

HVAC Technician	Cargill Heating & AC, La Crosse, WI
HVAC Technician	Valley Heating & AC, Caledonia, MN
HVAC-R Service Technician	BTU Management, Mauston, WI
Refrigeration, AC, Heating Tech	City of La Crosse, La Crosse, WI
Refrigeration, AC, Heating Tech	ASAP Trucking, Spring Green, WI
Service Tech	Ron Hammes Refrigeration, La Crosse, WI
Service Tech	Thorn Refrigeration, Winona, MN
Sheet Metal Apprentice	Cargill Plumbing & Heating, La Crosse, WI

2008-2009

Graduates	17
Graduates Responding	11
Employed in Related Occupations	10
Employed in Non-Related Occupations	1
Seeking Employment	0
Not in Labor Market	0

Heating & Air Conditioning	Bagniefski Heating & AC, La Crosse, WI
Heating Technician	Schaffners Plumbing and Heating, Fountain City, WI
HVAC	XETEX, Inc., La Crosse, WI
HVAC Installer	Ron Hammes Refrigeration, La Crosse, WI
HVAC Service Tech	Complete Comfort Heating & A/C, Tomah, WI
HVAC Service Tech	Schneider Htg. -AC, Onalaska, WI
HVACR Tech	Schneider Htg. -AC, Onalaska, WI
Plumber	Niber Plumbing and Heating Inc., La Crosse, WI
Refrig Tech	Multistack, Sparta, WI
Service Tech	Ron Hammes Refrigeration, La Crosse, WI

2009-2010

Graduates	12
Graduates Responding	6
Employed in Related Occupations	5
Employed in Non-Related Occupations	0
Seeking Employment	0
Not in Labor Market	0
Continuing Education	1

HVAC Service Tech	Service Plus Heating & Cooling, Sparta, WI
HVAC Service Tech	Ft McCoy, Ft McCoy, WI
HVAC Technician	Reisinger Heating, West Salem, WI
Service Tech	Thorne's Refrigeration, Winona, MN
Service Technician	Ron Hammes Refrigeration, 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