

Machine Tool Operation

Five Year Trend

Five Year Enrollment Change	300.0%		FY 2008 FTEs	10.00
Five Year FTEs Change	394.3%		FY 2009 FTEs	12.37
Five Year Graduate Change			FY 2010 FTEs	12.13
FY 2007 Enrollee	4		FY 2011 FTEs	12.19
FY 2008 Enrollee	14		FY 2007 Graduate	0
FY 2009 Enrollee	13		FY 2008 Graduate	4
FY 2010 Enrollee	18		FY 2009 Graduate	9
FY 2011 Enrollee	16		FY 2010 Graduate	8
FY 2007 FTEs	2.47		FY 2011 Graduate	4

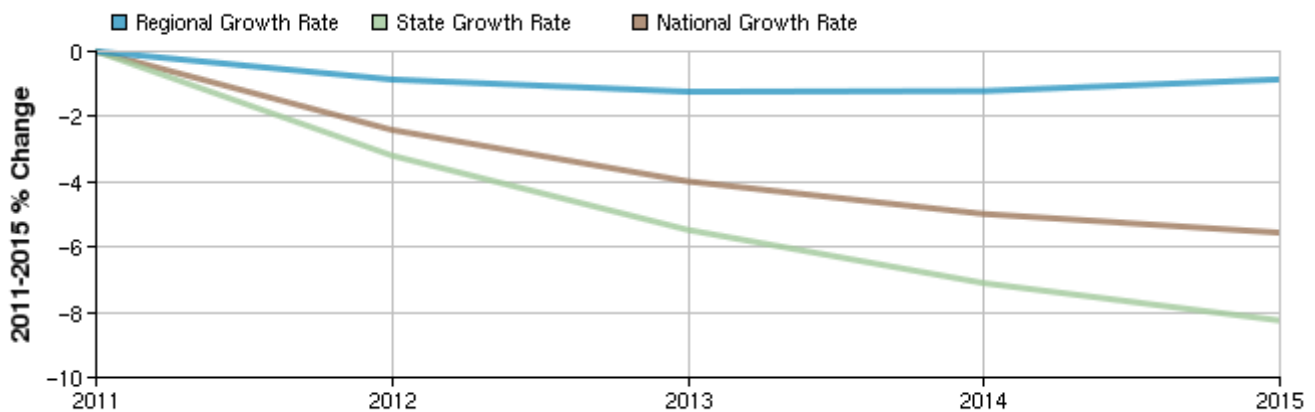
Selected Occupations

Occupation	Education Level
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic (SOC 51-4033)	Moderate-term on-the-job training
Machinists (SOC 51-4041)	Long-term on-the-job training
Tool and die makers (SOC 51-4111)	Long-term on-the-job training

Executive Summary

Basic Information	
2011 Occupational Jobs	1,043
2015 Occupational Jobs	1,035
Total Change	-8
Total % Change	-0.77%
Openings	71
2011 Median Hourly Earnings	\$18.22

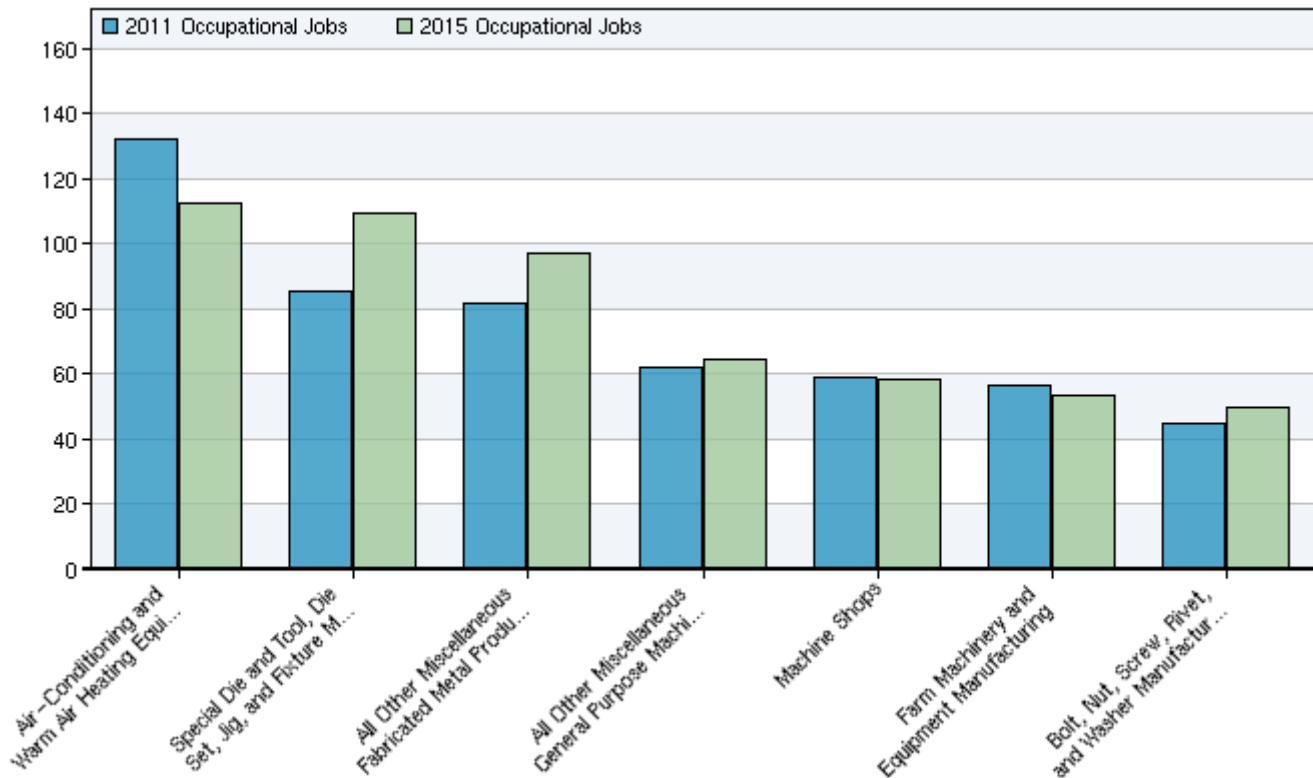
Occupational Change Summary



Region	2011 Jobs	2015 Jobs	Change	% Change	Openings	2011 Median Hourly Earnings
Regional Total	1,043	1,035	-8	-1%	71	\$18.22
State Total	25,155	23,079	-2,076	-8%	1,477	\$18.52
National Total	550,591	519,982	-30,609	-6%	34,947	\$18.11

Source: EMSI Complete Employment - 2011.3

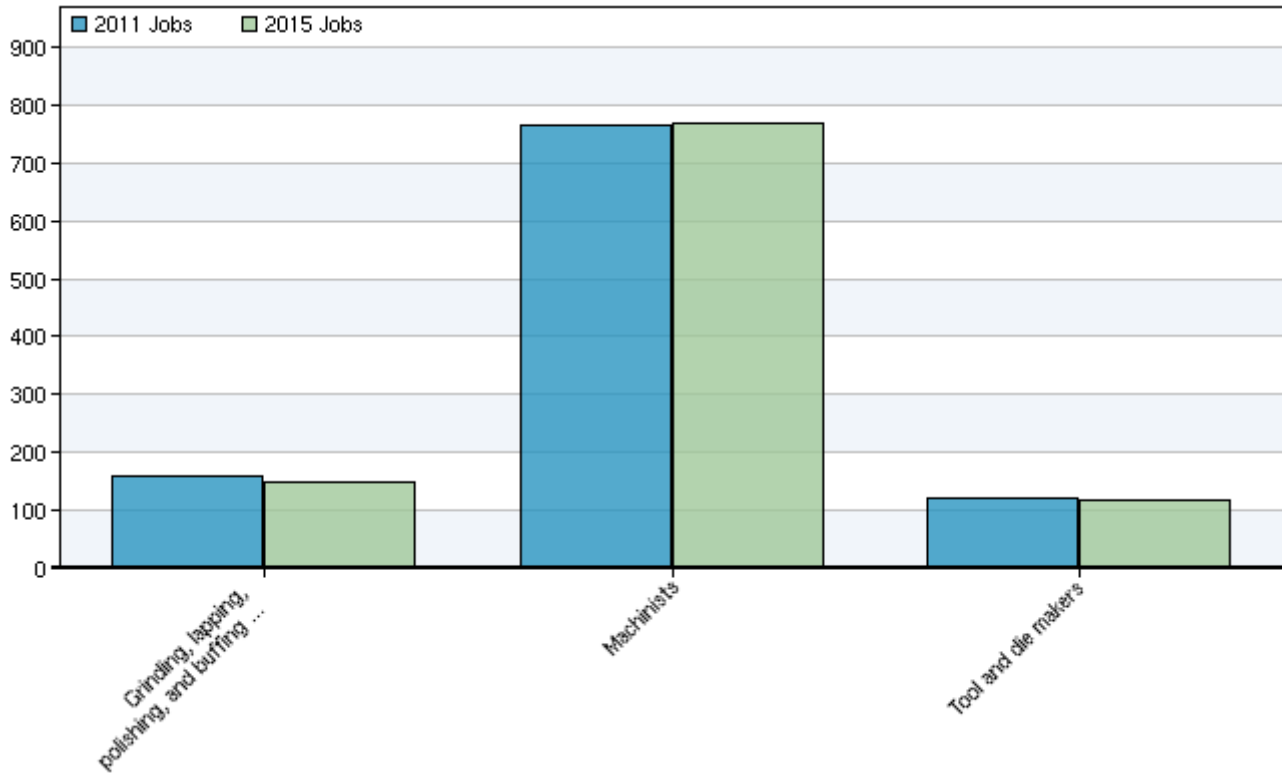
Top Industries for Selected Occupations



NAICS Code	Name	2011 Jobs	2015 Jobs	Change	% Change
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	133	113	-20	-15%
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	86	110	24	28%
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	82	97	15	18%
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	62	65	3	5%
332710	Machine Shops	59	59	0	0%
333111	Farm Machinery and Equipment Manufacturing	57	54	-3	-5%
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	45	50	5	11%

Source: EMSI Complete Employment - 2011.3

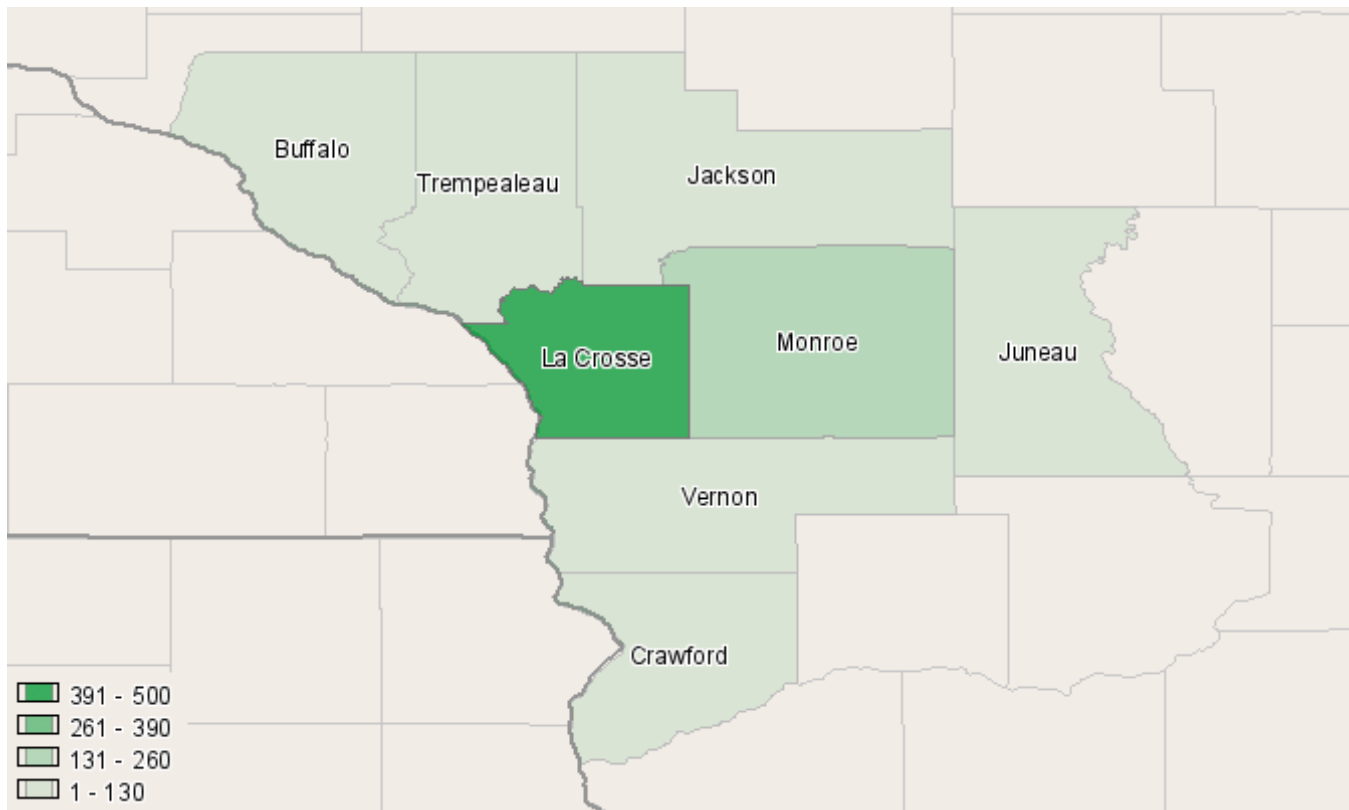
Occupational Breakdown



SOC Code	Description	2011 Jobs	2015 Jobs	Openings	2011 Median Hourly Earnings
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	158	149	11	\$14.55
51-4041	Machinists	765	769	54	\$18.51
51-4111	Tool and die makers	120	117	6	\$21.21
	Total	1,043	1,035	71	\$18.22

Source: EMSI Complete Employment - 2011.3

Occupation Distribution



County	2011 Jobs
La Crosse, WI (55063)	498
Monroe, WI (55081)	171
Juneau, WI (55057)	126
Trempealeau, WI (55121)	78
Jackson, WI (55053)	59
Crawford, WI (55023)	56
Vernon, WI (55123)	48
Buffalo, WI (55011)	<10

Source: EMSI Complete Employment - 2011.3

Three Year Graduate Employers

Machine Tool Operation

2007-2008

Graduates	4
Graduates Responding	4
Employed in Related Occupations	3
Employed in Non-Related Occupations	0
Seeking Employment	1
Not in Labor Market	0

Machinist	Wolf Machine, Prairie Du Chien, WI
Fabricator	Mid City Steel, La Crosse, WI

2008-2009

Graduates	9
Graduates Responding	7
Employed in Related Occupations	3
Employed in Non-Related Occupations	2
Seeking Employment	1
Not in Labor Market	1

CNT Program	S & S Cycle, Viola, WI
Maintenance	Gold N Plump, Arcadia, WI
Third Shift Cell Leader	Mathews Manufacturing, Inc., Sparta, WI

2009-2010

Graduates	8
Graduates Responding	7
Employed in Related Occupations	6
Employed in Non-Related Occupations	0
Seeking Employment	1
Continuing Education	0
Not in Labor Market	0

CNC Engineer	Wehrs Machine, Bangor, WI
CNC Operations Manager	Trueline Inc., La Crosse, WI
CNC Operator	APN, Caledonia, MN
CNC Operator	MTI Mfg., La Crosse, WI
Hourly Production	Trane Co., La Crosse, WI
Machinist	MTI Mfg., 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