

2010-2016 New North Occupation Opportunity Projections

April 1, 2011

The following occupation data is derived from 2010-16 projections in the New North, Wisconsin region. This data represents occupations projected to have more than 200 openings, at least 10% projected growth, and a current average wage of at least \$13.00 per hour. While additional occupations might be projected to have growth, those occupations do not include the level of growth or wage consistent with the parameters chosen for this report.

Educators, students, parents, and people in career transition are invited to use this information to serve as a platform to learn more about the variety of careers that exist in the New North region. Additional information about these occupations can be researched at the following sources:

<http://online.onetcenter.org/> (in the Occupation Search, enter the SOC code below)

<http://www.wiscareers.wisc.edu/> Note: (you will need a user name & password to use this site, if you do not have one, please contact your school's guidance counselor or your local job center)

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile (75% of earners earn less than this amount)	Education Level Needed for Occupation
43-0000	Office & Administrative Support Occupations	10,274						
43-4051	Customer service representatives	10,583	11,732	3,147	\$15.17	\$10.07	\$17.68	Moderate-term on-the-job training
43-9061	Office clerks, general	12,716	13,341	1,664	\$13.01	\$8.50	\$15.22	Short-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	9,238	9,661	1,090	\$14.92	\$8.99	\$17.94	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	4,361	4,582	811	\$20.90	\$11.97	\$25.22	Work experience in a related field
43-6014	Secretaries, except legal, medical, and executive	6,033	6,064	579	\$14.23	\$9.84	\$16.94	Moderate-term on-the-job training
43-6011	Executive secretaries and administrative assistants	4,294	4,511	564	\$16.67	\$11.64	\$19.40	Moderate-term on-the-job training
43-6013	Medical secretaries	2,141	2,447	480	\$14.81	\$10.72	\$16.99	Postsecondary vocational award
43-5071	Shipping, receiving, and traffic clerks	3,018	2,893	461	\$14.40	\$9.16	\$17.13	Short-term on-the-job training
43-5052	Postal service mail carriers	1,485	1,582	375	\$22.81	\$18.31	\$25.89	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	2,289	2,437	374	\$14.95	\$11.01	\$16.95	Moderate-term on-the-job training
43-5061	Production, planning, and expediting clerks	1,644	1,621	274	\$19.70	\$13.08	\$23.36	Short-term on-the-job training
43-3011	Bill and account collectors	1,000	1,127	241	\$14.84	\$10.82	\$16.30	Short-term on-the-job training
43-4151	Order clerks	1,248	1,101	214	\$14.77	\$9.96	\$17.10	Short-term on-the-job training
51-0000	Production Occupations	7,765						
51-2092	Team assemblers	8,777	9,025	1,683	\$14.95	\$9.12	\$18.53	Moderate-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	3,598	3,678	859	\$19.49	\$13.60	\$22.33	Long-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	6,170	5,190	833	\$19.90	\$14.24	\$23.02	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	3,068	3,129	561	\$13.31	\$8.91	\$15.52	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	5,453	5,272	535	\$26.48	\$16.47	\$30.11	Work experience in a related field
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	2,539	2,373	489	\$13.83	\$9.23	\$16.74	Moderate-term on-the-job training
51-4041	Machinists	4,118	3,874	416	\$18.37	\$12.17	\$21.72	Long-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	3,210	3,062	372	\$15.88	\$10.33	\$19.18	Moderate-term on-the-job training
51-5023	Printing machine operators	1,967	1,976	347	\$18.39	\$12.34	\$21.69	Moderate-term on-the-job training

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile (75% of earners earn less than this amount)	Education Level Needed for Occupation
51-3092	Food batchmakers	1,420	1,522	317	\$16.35	\$11.66	\$18.76	Short-term on-the-job training
	Coating, painting, and spraying machine setters, operators, and tenders							
51-9121	Computer-controlled machine tool operators, metal and plastic	1,436	1,469	300	\$16.58	\$11.44	\$19.60	Moderate-term on-the-job training
51-4011	Cutting and slicing machine setters, operators, and tenders	1,395	1,477	296	\$17.35	\$12.58	\$20.09	Moderate-term on-the-job training
51-9032	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	1,834	1,817	292	\$15.93	\$11.05	\$18.61	Moderate-term on-the-job training
51-4031	Production workers, all other	1,864	1,720	248	\$16.15	\$10.92	\$18.77	Moderate-term on-the-job training
51-9199	Production workers, all other	1,366	1,352	217	\$13.49	\$9.01	\$16.07	Moderate-term on-the-job training
41-0000	Sales & Related Occupations			7,172				
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	7,823	8,234	1,507	\$30.02	\$13.05	\$35.56	Moderate-term on-the-job training
41-3031	Securities, commodities, and financial services sales agents	3,260	4,144	1,483	\$20.05	\$8.46	\$25.24	Bachelor's degree
41-1011	First-line supervisors/managers of retail sales workers	9,380	9,553	1,433	\$14.52	\$8.68	\$17.34	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	3,962	4,394	925	\$26.20	\$9.93	\$32.77	Work experience in a related field
41-3021	Insurance sales agents	3,454	3,758	797	\$19.94	\$9.57	\$23.67	Bachelor's degree
41-3099	Sales representatives, services, all other	2,048	2,212	469	\$23.48	\$11.18	\$28.59	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	1,332	1,471	324	\$35.36	\$18.31	\$44.97	Moderate-term on-the-job training
41-2022	Parts salespersons	991	993	234	\$14.46	\$8.99	\$18.05	Moderate-term on-the-job training
13-0000	Business & Financial Operations Occupations			6,161				
13-2052	Personal financial advisors	4,083	5,370	1,551	\$18.70	\$8.34	\$23.72	Bachelor's degree
13-2011	Accountants and auditors	4,713	5,177	942	\$23.27	\$15.05	\$26.74	Bachelor's degree
13-1111	Management analysts	2,573	3,114	806	\$23.31	\$12.10	\$29.07	Degree plus work experience
13-1199	Business operation specialists, all other	2,921	3,053	521	\$27.11	\$15.21	\$33.15	Bachelor's degree
13-1079	Human resources, training, and labor relations specialists, all other	2,011	2,141	465	\$17.15	\$7.38	\$23.51	Bachelor's degree
13-2051	Financial analysts	1,037	1,323	398	\$22.18	\$10.43	\$27.93	Bachelor's degree
13-1023	Purchasing agents, except wholesale, retail, and farm products	1,767	1,870	393	\$23.88	\$15.63	\$28.48	Work experience in a related field
13-1051	Cost estimators	1,396	1,507	304	\$24.88	\$15.70	\$30.13	Work experience in a related field
13-2072	Loan officers	1,466	1,662	296	\$26.14	\$14.79	\$32.01	Bachelor's degree
13-1073	Training and development specialists	912	1,025	256	\$23.01	\$15.11	\$27.63	Bachelor's degree
13-1071	Employment, recruitment, and placement specialists	634	763	229	\$22.32	\$13.34	\$25.82	Bachelor's degree
11-0000	Management Occupations			5,890				
11-9199	Managers, all other	6,403	7,280	1,868	\$20.11	\$9.96	\$24.92	Work experience in a related field
11-1021	General and operations managers	5,548	5,450	1,005	\$48.62	\$23.52	\$59.22	Degree plus work experience
11-3031	Financial managers	2,501	2,788	556	\$35.77	\$19.26	\$42.27	Degree plus work experience
11-1011	Chief executives	1,996	2,129	469	\$46.67	\$21.28	\$61.86	Degree plus work experience
11-9051	Food service managers	1,925	2,131	431	\$13.25	\$9.01	\$15.84	Work experience in a related field

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile (75% of earners earn less than this amount)	Education Level Needed for Occupation
11-9011	Farm, ranch, and other agricultural managers	2,777	2,762	383	\$17.74	\$8.95	\$21.69	Degree plus work experience
11-2022	Sales managers	1,701	1,839	358	\$40.65	\$20.92	\$50.15	Degree plus work experience
11-3051	Industrial production managers	1,404	1,332	311	\$38.83	\$23.53	\$45.91	Work experience in a related field
11-9021	Construction managers	2,564	2,735	298	\$26.15	\$11.01	\$32.02	Bachelor's degree
11-9111	Medical and health services managers	1,000	1,097	211	\$35.44	\$20.69	\$42.37	Degree plus work experience
25-0000	Education, Training, & Library Occupations			4,733				
25-2021	Elementary school teachers, except special education	6,065	6,290	1,057	\$30.15	\$19.83	\$35.83	Bachelor's degree
25-2031	Secondary school teachers, except special and vocational education	4,805	4,817	905	\$30.66	\$19.98	\$36.61	Bachelor's degree
25-1099	Postsecondary teachers	5,145	5,292	694	\$37.29	\$18.80	\$46.84	Doctoral degree
25-9041	Teacher assistants	4,510	4,564	654	\$15.12	\$10.75	\$17.46	Short-term on-the-job training
25-3099	Teachers and instructors, all other	4,128	4,354	632	\$16.40	\$11.71	\$19.05	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	3,544	3,644	586	\$32.79	\$21.43	\$40.26	Bachelor's degree
25-2041	Special education teachers, preschool, kindergarten, and elementary school	955	1,011	205	\$30.70	\$19.87	\$36.24	Bachelor's degree
53-0000	Transportation & Material Moving Occupations			4,375				
53-3032	Truck drivers, heavy and tractor-trailer	12,423	13,230	2,221	\$19.88	\$12.55	\$23.51	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	4,184	4,175	826	\$15.66	\$10.63	\$18.58	Short-term on-the-job training
53-3033	Truck drivers, light or delivery services	4,397	4,520	612	\$15.59	\$8.31	\$19.07	Short-term on-the-job training
53-3022	Bus drivers, school	2,338	2,439	378	\$13.16	\$8.63	\$16.04	Short-term on-the-job training
53-3031	Driver/sales workers	2,000	2,109	338	\$13.19	\$7.85	\$16.19	Short-term on-the-job training
29-0000	Healthcare Practitioners & Technical Occupations			4,342				
29-1111	Registered nurses	10,086	11,227	2,198	\$28.99	\$22.00	\$32.55	Associate's degree
29-2061	Licensed practical and licensed vocational nurses	2,388	2,681	743	\$18.42	\$14.55	\$20.53	Postsecondary vocational award
29-1069	Physicians and surgeons	2,098	2,411	535	\$90.39	\$48.64	\$106.51	First professional degree
29-2052	Pharmacy technicians	1,343	1,528	388	\$13.20	\$9.54	\$15.30	Moderate-term on-the-job training
29-2021	Dental hygienists	1,059	1,169	268	\$28.82	\$24.02	\$31.71	Associate's degree
29-1051	Pharmacists	961	1,043	210	\$54.78	\$45.13	\$61.65	First professional degree
47-0000	Construction & Extraction Occupations			3,551				
47-2111	Electricians	3,865	3,999	833	\$23.00	\$14.52	\$27.59	Long-term on-the-job training
47-2031	Carpenters	7,223	7,231	702	\$20.74	\$10.53	\$26.84	Long-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	2,630	2,814	540	\$27.39	\$14.36	\$34.11	Long-term on-the-job training
47-2061	Construction laborers	4,366	4,654	473	\$20.31	\$10.03	\$25.22	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	2,506	2,637	430	\$26.67	\$14.61	\$32.41	Work experience in a related field
47-2141	Painters, construction and maintenance	2,058	2,141	315	\$21.43	\$9.83	\$27.27	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	2,071	2,027	258	\$23.48	\$15.05	\$28.17	Moderate-term on-the-job training
49-0000	Installation, Maintenance, & Repair Occupations			2,780				
49-9042	Maintenance and repair workers, general	5,697	5,848	705	\$17.67	\$11.09	\$21.32	Moderate-term on-the-job training

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile (75% of earners earn less than this amount)	Education Level Needed for Occupation
49-3023	Automotive service technicians and mechanics	3,036	3,048	418	\$18.99	\$9.68	\$23.82	Postsecondary vocational award
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	1,884	2,079	379	\$21.12	\$13.76	\$25.12	Long-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	1,963	1,977	367	\$28.45	\$18.31	\$33.11	Work experience in a related field
49-9041	Industrial machinery mechanics	2,654	2,651	341	\$23.20	\$16.23	\$26.14	Long-term on-the-job training
49-3031	Bus and truck mechanics and diesel engine specialists	1,797	1,863	331	\$20.80	\$12.62	\$26.37	Postsecondary vocational award
49-9051	Electrical power-line installers and repairers	618	707	239	\$27.70	\$19.72	\$31.78	Long-term on-the-job training
27-0000	Occupations			1,973				
27-4021	Photographers	2,672	3,047	707	\$15.35	\$7.50	\$20.19	Long-term on-the-job training
27-1024	Graphic designers	1,519	1,679	449	\$18.24	\$10.57	\$22.03	Bachelor's degree
27-2022	Coaches and scouts	1,434	1,633	364	\$15.21	\$9.00	\$19.27	Long-term on-the-job training
27-3031	Public relations specialists	944	1,060	250	\$20.34	\$11.78	\$24.80	Bachelor's degree
27-3091	Interpreters and translators	779	870	203	\$16.78	\$8.70	\$21.67	Long-term on-the-job training
15-0000	Computer & Mathematical Occupations			1,753				
15-1081	Network systems and data communications analysts	1,331	1,656	468	\$24.01	\$14.65	\$28.63	Bachelor's degree
15-1051	Computer systems analysts	1,514	1,678	360	\$30.18	\$18.80	\$36.50	Bachelor's degree
15-1031	Computer software engineers, applications	1,383	1,665	352	\$33.41	\$22.90	\$39.05	Bachelor's degree
15-1041	Computer support specialists	1,553	1,643	351	\$19.88	\$12.52	\$23.52	Associate's degree
15-1071	Network and computer systems administrators	1,141	1,243	222	\$26.98	\$17.28	\$32.32	Bachelor's degree
33-0000	Protective Service Occupations			1,208				
33-2011	Fire fighters	2,349	2,475	559	\$15.55	\$7.79	\$20.54	Long-term on-the-job training
33-3051	Police and sheriff's patrol officers	2,274	2,291	386	\$23.87	\$14.79	\$28.50	Long-term on-the-job training
33-3012	Correctional officers and jailers	1,871	1,863	263	\$21.49	\$12.99	\$25.86	Moderate-term on-the-job training
39-0000	Personal Care & Service Occupations			1,204				
39-5012	Hairdressers, hairstylists, and cosmetologists	2,935	3,282	607	\$13.31	\$7.83	\$15.76	Postsecondary vocational award
39-1021	First-line supervisors/managers of personal service workers	974	1,125	310	\$14.84	\$9.24	\$18.04	Work experience in a related field
39-2021	Nonfarm animal caretakers	1,176	1,310	287	\$13.21	\$7.38	\$16.59	Short-term on-the-job training
31-0000	Healthcare Support Occupations			883				
31-9092	Medical assistants	2,146	2,572	569	\$14.10	\$10.02	\$16.11	Moderate-term on-the-job training
31-9091	Dental assistants	1,322	1,446	314	\$15.62	\$11.12	\$18.04	Moderate-term on-the-job training
17-0000	Architecture & Engineering Occupations			701				
17-2141	Mechanical engineers	1,923	1,848	354	\$32.67	\$22.25	\$38.53	Bachelor's degree
17-2112	Industrial engineers	1,755	1,761	347	\$33.09	\$23.43	\$38.52	Bachelor's degree
19-0000	Life, Physical, and Social Science Occupations			579				
19-3031	Clinical, counseling, and school psychologists	1,034	1,191	333	\$25.37	\$14.16	\$29.65	Doctoral degree
19-3021	Market research analysts	755	879	246	\$25.76	\$14.40	\$32.67	Bachelor's degree
21-0000	Community & Social Services Occupations			553				
21-1093	Social and human service assistants	1,209	1,394	339	\$14.22	\$9.20	\$17.05	Moderate-term on-the-job training
21-1012	Educational, vocational, and school counselors	1,093	1,174	214	\$22.07	\$13.90	\$26.50	Master's degree

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile (75% of earners earn less than this amount)	Education Level Needed for Occupation
55-0000	Military Specific Occupations			529				
55-9999	Military Occupations	3,811	3,796	529	\$14.09	\$5.56	\$17.15	N/A
23-0000	Legal Occupations			267				
23-1011	Lawyers	1,436	1,534	267	\$41.38	\$17.78	\$52.25	First professional degree

Region: New North 18 County

Source: EMSI Complete Employment - 1st Quarter 2011

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.

Educational Attainment Data EMSI's educational attainment numbers are based on Census 1990, Census 2000, the Current Population Survey, and EMSI's demographic data. By combining these sources, EMSI interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

State Data Sources This report uses state data from the following agencies: Wisconsin Department of Workforce Development, Bureau of Workforce Information.