

Northwest Regional Business Engagement Report

October 2017

Architecture and Engineering Occupations																										
Ref. #	Ext. SOC	In-Demand Occupation - 24	Typical Education Required for Entry ¹	Northwest Region								Statewide							Northwest Regional Percentage Share of Statewide Numbers							
				Regional		2014 Regional Employment	Regional OMI		Number of Employers (OMJ)	Regional		Statewide Annual Openings	Statewide		2014 Statewide Employment	Statewide 4-Year OMI		No. of Employers (OMJ)	Statewide		Total Annual Openings	2014		Number of OMI Employers	Forecast Data	Number of Employers Forecasted
				Annual Openings	Growth Openings		Trend Data	Forecast Data		Annual Openings	Annual Growth Openings		Year OMI Trend Data	Forecast Data		Forecast Data	Employers Forecasted		Annual Openings	Annual Growth Openings		Employment	OMI 4-Year Trend Data			
1	17-2011.00	Aerospace Engineers	Bachelor's degree	0	0	0	3	3	0	0	129	0	4,510	1,997	71	321	3	0.00%	0.00%	0.00%	0.15%	4.23%	0.00%	0.00%		
2	17-2031.00	Biomedical Engineers	Bachelor's degree	0	0	0	1	1	6	2	25	8	640	163	35	54	4	0.00%	0.00%	0.00%	0.61%	2.86%	11.11%	50.00%		
3	17-2041.00	Chemical Engineers	Bachelor's degree	0	0	0	20	6	5	2	40	4	1,310	447	67	44	10	0.00%	0.00%	0.00%	4.47%	8.96%	11.36%	20.00%		
4	17-2051.00	Civil Engineers	Bachelor's degree	23	4	640	44	8	8	2	286	63	7,550	488	95	33	5	8.04%	6.35%	8.48%	9.02%	8.42%	24.24%	40.00%		
5	17-2061.00	Computer Hardware Engineers	Bachelor's degree	0	0	0	0	0	2	1	19	3	760	554	64	11	2	0.00%	0.00%	0.00%	0.00%	0.00%	18.18%	50.00%		
6	17-3023.00	Electrical and Electronic Engineering Technicians	Associate's degree	11	0	430	42	7	15	1	89	0	3,620	1,325	198	15	1	12.36%	0.00%	11.88%	3.17%	3.54%	100.00%	100.00%		
7	17-3023.03	Electrical Engineering Technicians*	Associate's degree	11	0	430	42	7	5	1	89	0	3,620	1,325	198	27	2	12.36%	0.00%	11.88%	3.17%	3.54%	18.52%	50.00%		
8	17-3029.02	Electrical Engineering Technologists*	Associate's degree	7	0	270	3	2	0	0	89	2	3,560	177	56	18	1	7.87%	0.00%	7.58%	1.69%	3.57%	0.00%	0.00%		
9	17-2071.00	Electrical Engineers	Bachelor's degree	0	0	0	61	11	28	5	119	7	5,070	3,761	239	653	19	0.00%	0.00%	0.00%	1.62%	4.60%	4.29%	26.32%		
10	17-3024.00	Electro-Mechanical Technicians	Associate's degree	0	0	0	10	4	0	0	15	0	600	90	36	45	3	0.00%	0.00%	0.00%	11.11%	11.11%	0.00%	0.00%		
11	17-3023.01	Electronics Engineering Technicians*	Associate's degree	11	0	430	42	7	7	1	89	0	3,620	1,325	198	63	4	12.36%	0.00%	11.88%	3.17%	3.54%	11.11%	25.00%		
12	17-2072.00	Electronics Engineers, Except Computer	Bachelor's degree	6	0	270	9	4	3	1	83	0	3,750	785	115	48	2	7.23%	0.00%	7.20%	1.15%	3.48%	6.25%	50.00%		
13	17-2081.00	Environmental Engineers	Bachelor's degree	0	0	0	19	7	1	1	40	12	990	444	93	1	1	0.00%	0.00%	0.00%	4.28%	7.53%	100.00%	100.00%		
14	17-2111.00	Health & Safety Engineers, ex. Mining Safety & Inspectors	Bachelor's degree	0	0	0	105	13	5	3	24	4	670	1,787	281	6	4	0.00%	0.00%	0.00%	5.88%	4.63%	83.33%	75.00%		
15	17-2112.00	Industrial Engineers	Bachelor's degree	51	5	1,580	1,369	32	17	2	366	23	11,710	19,962	606	31	5	13.93%	21.74%	13.49%	6.86%	5.28%	54.84%	40.00%		
16	17-2199.04	Manufacturing Engineers*	Bachelor's degree	11	1	500	42	10	2	1	191	32	7,930	564	136	107	17	5.76%	3.13%	6.31%	7.45%	7.35%	1.87%	5.88%		
17	17-3029.09	Manufacturing Production Technicians*	Associate's degree	7	0	270	3	2	10	1	89	2	3,560	177	56	383	13	7.87%	0.00%	7.58%	1.69%	3.57%	2.61%	7.69%		
18	17-2131.00	Materials Engineers	Bachelor's degree	4	0	130	13	4	1	1	53	1	1,480	1,014	84	21	3	7.55%	0.00%	8.78%	1.28%	4.76%	4.76%	33.33%		
19	17-3013.00	Mechanical Drafters	Associate's degree	4	0	370	6	3	0	0	36	0	3,080	196	80	7	1	11.11%	0.00%	12.01%	3.06%	3.75%	0.00%	0.00%		
20	17-3027.00	Mechanical Engineering Technicians	Associate's degree	10	1	370	4	4	14	2	69	6	2,560	204	51	64	4	14.49%	16.67%	14.45%	1.96%	7.84%	21.88%	50.00%		
21	17-2141.00	Mechanical Engineers	Bachelor's degree	53	7	1,450	136	16	21	5	430	50	11,990	5,396	321	238	22	12.33%	14.00%	12.09%	2.52%	4.98%	8.82%	22.73%		
22	17-3029.01	Non-Destructive Testing Specialists*	Associate's degree	7	0	270	3	2	0	0	89	2	3,560	177	56	31	2	7.87%	0.00%	7.58%	1.69%	3.57%	0.00%	0.00%		
23	17-2199.08	Robotics Engineers*	Bachelor's degree	11	1	500	42	10	12	1	191	32	7,930	564	136	12	1	5.76%	3.13%	6.31%	7.45%	7.35%	100.00%	100.00%		
24	17-2199.02	Validation Engineers*	Bachelor's degree	11	1	500	42	10	0	0	191	32	7,930	564	136	6	1	5.76%	3.13%	6.31%	7.45%	7.35%	0.00%	0.00%		
Number of Occupations Toledo Region				238	20	8,410	2,061	173	162	33																

Arts, Design, Entertainment, Sports, and Media Occupations																										
Ref. No.	Ext. SOC	In-Demand Occupation - 5	Typical Education Required for Entry ¹	Northwest Region								Statewide							Northwest Regional Percentage Share of Statewide Numbers							
				Regional		2014 Regional Employment	Regional OMI		Number of Employers (OMJ)	Regional		Statewide Annual Openings	Statewide		2014 Statewide Employment	Statewide 4-Year OMI		No. of Employers (OMJ)	Statewide		Total Annual Openings	2014		Number of OMI Employers	Forecast Data	Number of Employers Forecasted
				Annual Openings	Growth Openings		Trend Data	Forecast Data		Annual Openings	Annual Growth Openings		Year OMI Trend Data	Forecast Data		Forecast Data	Employers Forecasted		Annual Openings	Annual Growth Openings		Employment	OMI 4-Year Trend Data			
25	27-4011.00	Audio and Video Equipment Technicians	Certificate/Some college	0	0	0	4	2	0	0	41	14	1,410	91	39	3	1	0.00%	0.00%	0.00%	4.40%	5.13%	0.00%	0.00%		
26	27-1024.00	Graphic Designers	Bachelor's degree	17	0	700	29	8	0	0	244	10	9,860	1,081	194	2	1	6.97%	0.00%	7.10%	2.68%	4.12%	0.00%	0.00%		
27	27-3091.00	Interpreters and Translators	Bachelor's degree	0	0	0	0	0	0	0	91	56	2,200	264	44	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28	27-3031.00	Public Relations Specialists	Bachelor's degree	8	1	620	68	17	0	0	132	40	7,710	2,676	334	3	1	6.06%	2.50%	8.04%	2.54%	5.09%	0.00%	0.00%		
29	27-3042.00	Technical Writers	Bachelor's degree	0	0	0	16	4	0	0	40	12	1,250	892	145	22	1	0.00%	0.00%	0.00%	1.79%	2.76%	0.00%	0.00%		
Number of Occupations Toledo Region				25	1	1,320	117	31	0	0																

Business and Financial Operations Occupations																										
Ref.	Ext. SOC	In-Demand Occupation - 21	Typical Education Required for Entry ¹	Northwest Region								Statewide							Northwest Regional Percentage Share of Statewide Numbers							
				Regional		2014 Regional Employment	Regional OMI		Number of Employers (OMJ)	Regional		Statewide Annual Openings	Statewide		2014 Statewide Employment	Statewide 4-Year OMI		No. of Employers (OMJ)	Statewide		Total Annual Openings	2014		Number of OMI Employers	Forecast Data	Number of Employers Forecasted
				Annual Openings	Growth Openings		Trend Data	Forecast Data		Annual Openings	Annual Growth Openings		Year OMI Trend Data	Forecast Data		Forecast Data	Employers Forecasted		Annual Openings	Annual Growth Openings		Employment	OMI 4-Year Trend Data			
30	13-2011.00	Accountants and Auditors	Bachelor's degree	124	28	3,600	490	30	33	3	1,438	336	41,300	16,236	668	1,312	18	8.62%	8.33%	8.72%	3.02%	4.49%	2.52%	16.67%		
31	13-1199.00	Business Operations Specialists, All Other	Bachelor's degree	20	0	1,680	83	11	0	0	374	67	25,760	5,151	311	6	1	5.35%	0.00%	6.52%	1.61%	3.54%	0.00%	0.00%		
32	13-1031.00	Claims Adjusters, Examiners, and Investigators	High school diploma or equivalent	6	0	230	6	2	43	2	312	11	12,150	2,495	88	1,581	4	1.92%	0.00%	1.89%	0.24%	2.27%	2.72%	50.00%		
33	13-1041.00	Compliance Officers*	Bachelor's degree	10	3	510	28	5	0	0	120	28	6,570	872	160	2	1	8.33%	10.71%	7.76%	3.21%	3.13%	0.00%	0.00%		
34	13-1051.00	Cost Estimators	Bachelor's degree	37	9	1,000	41	6	2	1	384	93	10,230	364	91	33	6	9.64%	9.68%	9.78%	11.26%	6.59%	6.06%	16.67%		
35	13-2041.00	Credit Analysts	Bachelor's degree	6	1	120	11	4	0	0	163	17	3,360	1,348	96	6	3	3.68%	5.88%	3.57%	0.82%	4.17%	0.00%	0.00%		
36	13-1041.01	Environmental Compliance Inspectors*	Bachelor's degree	10	3	510	28	5	0	0	120	28	6,570	872	160	1	1	8.33%	10.71%	7.76%	3.21%	3.13%	0.00%	0.00%		
37	13-2051.00	Financial Analysts	Bachelor's degree	7	2	250	135	11	0	0	273	79	9,460	4,616	272	640	7	2.56%	2.53%	2.64%	2.92%	4.04%	0.00%	0.00%		
38	13-1071.00	Human Resources Specialists	Bachelor's degree	56	0	2,300	99	18	4	1	452	58	16,180	3,720	339	9	3	12.39%	0.00%	14.22%	2.66%	5.31%	44.44%	33.33%		
39	13-2053.00	Insurance Underwriters	Bachelor's degree	2	0	110	1	1	12	1	93	0	4,930	851	46	282	4	2.15%	0.00%	2.23%	0.12%	2.17%	4.26%	25.00%		
40	13-2072.00	Loan Officers	Bachelor's degree	19	5	850	0	0	4	1	298	89	12,550	7,587	73	182	6	6.38%	5.62%	6.77%	0.00%	0.00%	2.20%	16.67%		
41	13-1081.00	Logisticians*	Bachelor's degree	5	0	370	102	16	0	0	89	9	5,790	1,686	228	17	2	5.62%	0.00%	6.39%	6.05%	7.02%	0.00%	0.00%		
42	13-1081.02	Logistics Analysts*	Bachelor's degree	5	0	370	102	16	0	0	89	9	5,790	1,686	228	3	1	5.62%	0.00%	6.39%	6.05%	7.02%	0.00%	0.00%		
43	13-1111.00	Management Analysts	Bachelor's degree	23	12	800	177	19	0	0	624	290	24,080	30,314	369	500	3	3.69%	4.14%	3.32%	0.58%	5.15%	0.00%	0.00%		
44	13-1161.00	Market Research Analysts and Marketing Specialists	Bachelor's degree	42	26	1,310	163	13	2	1	602	362	20,100	8,302	361	75	5	6.98%	7.18%	6.52%	1.96%	3.60%	2.67%	20.00%		
45	13-1199.06	Online Merchants*	High school diploma or equivalent	20	0	1,680	83	11	0	0	374	67	25,760	5,151	311	0	0	5.35%	0.00%	6.52%	1.61%	3.54%	0.00%	0.00%		
46	13-2052.00	Personal Financial Advisors	Bachelor's degree	0	0	0	5	5	0	0	0	0	0	1,052	59	6	2	0.00%	0.00%	0.00%	0.48%	8.47%	0.00%	0.00%		
47	13-1023.00	Purchasing Agents, ex. Wholesale, Retail, & Farm	Bachelor's degree	25	1	860	200	17	20	1	342	0	12,450	3,563	393	20	1	7.31%	0.00%	6.91%	5.61%	4.33%	100.00%	100.00%		
48	13-1041.07	Regulatory Affairs Specialists*	Bachelor's degree	10	3	510	28	5	0	0	120	28	6,570	872	160	2	1	8.33%	10.71%	7.76%	3.21%	3.13%	0.00%	0.00%		
49	13-1151.00	Training and Development Specialists	Bachelor's degree	16	3	540	102	13	0	0	250	60	7,810	3,937	357	2	2	6.40%	5.00%	6.91%	2.59%	3.6				

Northwest Regional Business Engagement Report

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Ref.	Ext. SOC	In-Demand Occupation	Typical Education Required for Entry	Regional Annual Openings	Regional Growth	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers (Forecast)	Total Annual Openings	Annual Growth	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers (Forecast)
51	21-1021.00	Child, Family, and School Social Workers	Bachelor's degree	26	5	860	5	4	3	1	334	71	10,920	371	65	69	3	7.78%	7.04%	7.88%	1.35%	6.15%	4.35%	33.33%
52	21-1022.00	Healthcare Social Workers	Master's degree	23	8	620	5	3	0	0	282	116	6,900	1,456	74	0	0	8.16%	6.90%	8.99%	0.34%	4.05%	0.00%	0.00%
53	21-1023.00	Mental Health and Substance Abuse Social Workers	Bachelor's degree	35	16	790	328	6	444	3	270	110	6,620	4,242	106	1,002	16	12.96%	14.55%	11.93%	7.73%	5.66%	44.31%	18.75%
54	21-1014.00	Mental Health Counselors	Master's degree	23	13	480	29	5	131	4	158	72	4,130	491	55	655	13	14.56%	18.06%	11.62%	5.91%	9.09%	20.00%	30.77%
55	21-1093.00	Social and Human Service Assistants	High school diploma or equivalent	39	11	1,410	108	8	0	0	332	106	11,510	4,771	157	213	3	11.75%	10.38%	12.25%	2.26%	5.10%	0.00%	0.00%
56	21-1011.00	Substance Abuse and Behavioral Disorder Counselors	Bachelor's degree	6	3	150	13	2	15	1	106	51	2,650	381	57	65	3	5.66%	5.88%	5.66%	3.41%	3.51%	23.08%	33.33%
Number of Occupations Toledo Region				152	56	4,310	488	28	593	9														

Computer and Mathematical Occupations

Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry	Northwest Region							Statewide							Northwest Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers (Forecast)	Total Annual Openings	Annual Growth	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers (Forecast)
57	15-2011.00	Actuaries	Bachelor's degree	0	0	0	0	0	17	2	45	15	1,010	961	32	17	2	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%
58	15-1199.08	Business Intelligence Analysts*	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	156	2	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%
59	15-1111.00	Computer & Information Research Scientists	Doctoral or professional degree	0	0	0	1	1	2	1	3	0	230	503	55	13	3	0.00%	0.00%	0.00%	0.20%	1.82%	15.38%	33.33%
60	15-1143.00	Computer Network Architects	Bachelor's degree	2	0	160	15	6	0	0	96	27	5,390	1,503	156	0	0	2.08%	0.00%	2.97%	1.00%	3.85%	0.00%	0.00%
61	15-1152.00	Computer Network Support Specialists	Associate's degree	11	3	620	7	1	0	0	148	49	7,710	184	52	4	1	7.43%	6.12%	8.04%	3.80%	1.92%	0.00%	0.00%
62	15-1131.00	Computer Programmers	Bachelor's degree	11	0	440	38	15	25	3	184	0	7,490	5,370	312	358	9	5.98%	0.00%	5.87%	0.71%	4.81%	6.98%	33.33%
63	15-1121.00	Computer Systems Analysts	Bachelor's degree	22	13	680	231	24	0	0	978	599	29,440	27,229	447	571	6	2.25%	2.17%	2.31%	0.85%	5.37%	0.00%	0.00%
64	15-1199.02	Computer Systems Engineers/Architects*	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	61	4	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%
65	15-1151.00	Computer User Support Specialists	Certificate/Some college	16	4	950	266	32	12	1	459	225	18,150	15,091	622	36	7	3.49%	1.78%	5.23%	1.76%	5.14%	33.33%	14.29%
66	15-1199.07	Data Warehousing Specialists*	Bachelor's degree	2	0	140	168	22	7	1	103	6	7,520	33,233	436	7	1	1.94%	0.00%	1.86%	0.51%	5.05%	100.00%	100.00%
67	15-1141.00	Database Administrators	Bachelor's degree	6	2	210	20	11	0	0	152	52	4,620	3,483	209	3	1	3.95%	3.85%	4.55%	0.57%	5.26%	0.00%	0.00%
68	15-1122.00	Information Security Analysts	Bachelor's degree	0	0	0	49	7	12	1	55	30	1,920	4,723	186	230	4	0.00%	0.00%	0.00%	1.04%	3.76%	5.22%	25.00%
69	15-1199.09	Information Technology Project Managers*	Bachelor's degree	2	0	140	168	22	1	1	103	6	7,520	33,233	436	388	8	1.94%	0.00%	1.86%	0.51%	5.05%	0.26%	12.50%
70	15-1142.00	Network and Computer Systems Administrators	Bachelor's degree	12	0	900	199	24	5	2	282	92	14,780	11,682	471	70	8	4.26%	0.00%	6.09%	1.70%	5.10%	7.14%	25.00%
71	15-2031.00	Operations Research Analysts	Bachelor's degree	0	0	0	116	12	0	0	112	68	2,450	3,437	255	115	1	0.00%	0.00%	0.00%	3.38%	4.71%	0.00%	0.00%
72	15-1199.10	Search Marketing Strategists*	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	18	1	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%
73	15-1132.00	Software Developers, Applications	Bachelor's degree	34	20	960	50	14	25	1	836	467	25,840	17,133	357	1,799	26	4.07%	4.28%	3.72%	0.29%	3.92%	1.39%	3.85%
74	15-1133.00	Software Developers, Systems Software	Bachelor's degree	0	0	0	5	3	0	0	120	42	5,430	1,480	128	344	7	0.00%	0.00%	0.00%	0.34%	2.34%	0.00%	0.00%
75	15-1199.01	Software Quality Assurance Engineers and Testers*	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	211	6	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%
76	15-2041.00	Statisticians	Master's degree	0	0	0	1	1	0	0	44	28	880	474	68	6	1	0.00%	0.00%	0.00%	0.21%	1.47%	0.00%	0.00%
77	15-1143.01	Telecommunications Engineering Specialists*	Bachelor's degree	2	0	160	15	6	0	0	96	27	5,390	1,503	156	2	1	2.08%	0.00%	2.97%	1.00%	3.85%	0.00%	0.00%
78	15-1134.00	Web Developers	Associate's degree	12	8	290	69	13	0	0	205	138	5,230	9,883	312	520	7	5.85%	5.80%	5.54%	0.70%	4.17%	0.00%	0.00%
Number of Occupations Toledo Region				138	50	6,050	2,075	296	106	13														

Construction and Extraction Occupations

Ref.	Ext. SOC	In-Demand Occupation - 12	Typical Education Required for Entry	Northwest Region							Statewide							Northwest Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers (Forecast)	Total Annual Openings	Annual Growth	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers (Forecast)
79	47-2031.00	Carpenters	High school diploma or equivalent	68	32	3,090	20	4	107	4	623	287	29,210	130	43	676	15	10.91%	11.15%	10.58%	15.38%	9.30%	15.83%	26.67%
80	47-2051.00	Cement Masons and Concrete Finishers	Less Than High School	11	4	560	0	0	42	3	91	35	4,640	16	6	144	5	12.09%	11.43%	12.07%	0.00%	0.00%	29.17%	60.00%
81	47-2061.00	Construction Laborers	Less Than High School	125	47	3,910	94	4	50	1	1,129	411	35,980	346	61	998	7	11.07%	11.44%	10.87%	27.17%	6.56%	5.01%	14.29%
82	47-2111.00	Electricians	High school diploma or equivalent	60	20	2,620	49	10	140	10	628	270	23,460	700	121	584	16	9.55%	7.41%	11.17%	7.00%	8.26%	23.97%	62.50%
83	47-1011.00	First-Line Sup/Mgrs of Con. Trades/Extract. Work	High school diploma or equivalent	25	12	1,610	56	9	7	1	243	124	14,990	715	145	174	7	10.29%	9.68%	10.74%	7.83%	6.21%	4.02%	14.29%
84	47-3019.00	Helpers, Construction Trades, All Other	Less Than High School	0	0	0	0	0	0	0	11	5	440	775	3	24	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
85	47-3013.00	Helpers-Electricians	High school diploma or equivalent	0	0	0	0	0	0	0	34	20	1,110	76	6	159	2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
86	47-2073.00	Operating Engineers & Other Con. Equip. Op.	High school diploma or equivalent	37	7	1,770	10	3	44	2	313	78	14,110	102	25	249	4	11.82%	8.97%	12.54%	9.80%	12.00%	17.67%	50.00%
87	47-2141.00	Painters, Construction and Maintenance	Less Than High School	24	7	1,070	4	2	0	0	250	90	10,040	51	27	0	0	9.60%	7.78%	10.66%	7.84%	7.41%	0.00%	0.00%
88	47-2152.00	Plumbers, Pipefitters, and Steamfitters	High school diploma or equivalent	53	24	2,190	9	2	0	0	339	148	14,440	131	31	366	4	15.63%	16.22%	15.17%	6.87%	6.45%	0.00%	0.00%
89	47-2211.00	Sheet Metal Workers	High school diploma or equivalent	10	1	400	7	1	0	0	126	25	4,690	67	20	145	2	7.94%	4.00%	8.53%	10.45%	5.00%	0.00%	0.00%
90	47-2221.00	Structural Iron and Steel Workers	High school diploma or equivalent	5	0	290	1	1	14	1	38	2	2,190	16	5	99	2	13.16%	0.00%	13.24%	6.25%	20.00%	14.14%	50.00%
Number of Occupations Toledo Region				418	154	17,510	250	36	404	22														

Education, Training, and Library Occupations

Ref.	Ext. SOC	In-Demand Occupation - 2	Typical Education Required for Entry	Northwest Region							Statewide							Northwest Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers (Forecast)	Total Annual Openings	Annual Growth	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers (Forecast)
91	25-9031.01	Instructional Designers and Technologists*	Master's degree	4	2	250	2	2	0	0	48	23	2,560	527	82	1	1	8.33%	8.70%	9.77%	0.38%	2.44%	0.00%	0.00%
92	25-3021.00	Self-Enrichment Education Teachers	High school diploma or equivalent	25	9	870	0	0	0	0	300	118	9,630	7	4	0	0	8.33%	7.63%	9.03%	0.00%	0.0		

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Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Northwest Region				Statewide				Northwest Regional Percentage Share of Statewide Numbers												
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMI Trend Data	Number of Employers (OMI)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMI Trend Data	No. of Employers (OMI)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMI 4-Year Trend Data	Number of OMI Employers	Forecast Data	Number of Employers Forecasted
94	29-2021.00	Dental Hygienists	Associate's degree	29	15	880	0	0	0	0	259	132	7,700	145	14	2	1	11.20%	11.36%	11.43%	0.00%	0.00%	0.00%	0.00%
95	29-1021.00	Dentists, General	Doctoral or professional degree	19	8	550	0	0	0	0	164	72	4,480	150	6	1	1	11.59%	11.11%	12.28%	0.00%	0.00%	0.00%	0.00%
96	29-2032.00	Diagnostic Medical Sonographers	Associate's degree	11	6	260	14	2	0	0	88	40	2,520	1,648	57	15	1	12.50%	15.00%	10.32%	0.85%	3.51%	0.00%	0.00%
97	29-2041.00	Emergency Medical Technicians and Paramedics	Certificate/Some college	30	14	980	12	1	0	0	395	231	10,020	1,818	45	0	0	7.59%	6.06%	9.78%	0.66%	2.22%	0.00%	0.00%
98	29-1062.00	Family and General Practitioners	Doctoral or professional degree	14	4	380	12	2	0	0	181	58	4,560	1,257	76	24	2	7.73%	6.90%	8.33%	0.95%	2.63%	0.00%	0.00%
99	29-2099.00	Health Technologists and Technicians, All Other	High school diploma or equivalent	14	10	410	3	2	0	0	151	105	4,670	1,830	61	0	0	9.27%	9.52%	8.78%	0.16%	3.28%	0.00%	0.00%
100	29-1063.00	Internists, General	Doctoral or professional degree	4	1	120	4	1	0	0	81	21	2,220	795	58	3	1	4.94%	4.76%	5.41%	0.50%	1.72%	0.00%	0.00%
101	29-2061.00	Licensed Practical and Licensed Vocational Nurses	Certificate/Some college	190	67	4,310	28	5	15	1	1,930	800	39,730	4,943	97	107	6	9.84%	8.38%	10.85%	0.57%	5.15%	14.02%	16.67%
102	29-2035.00	Magnetic Resonance Imaging Technologists	Associate's degree	0	0	0	1	1	1	1	49	20	1,520	252	41	1	1	0.00%	0.00%	0.00%	0.40%	2.44%	100.00%	100.00%
103	29-2012.00	Medical and Clinical Laboratory Technicians	Associate's degree	26	10	660	36	5	0	0	232	84	6,180	2,789	99	39	3	11.21%	11.90%	10.68%	1.29%	5.05%	0.00%	0.00%
104	29-2011.00	Medical and Clinical Laboratory Technologists	Bachelor's degree	25	10	610	68	3	45	1	232	77	6,480	3,075	77	705	10	10.78%	12.99%	9.41%	2.21%	3.90%	6.38%	10.00%
105	29-2071.00	Medical Records and Health Information Technicians	Certificate/Some college	0	0	0	180	7	0	0	283	104	7,980	6,243	136	130	2	0.00%	0.00%	0.00%	2.88%	5.15%	0.00%	0.00%
106	29-2033.00	Nuclear Medicine Technologists	Associate's degree	2	0	110	0	0	3	1	28	9	1,000	278	35	3	1	7.14%	0.00%	11.00%	0.00%	0.00%	100.00%	100.00%
107	29-1171.00	Nurse Practitioners	Master's degree	28	17	480	5	1	6	1	230	124	4,470	1,323	75	162	7	12.17%	13.71%	10.74%	0.38%	1.33%	3.70%	14.29%
108	29-9011.00	Occupational Health and Safety Specialists	Bachelor's degree	9	2	370	44	9	0	0	69	14	2,770	442	116	1	1	13.04%	14.29%	13.36%	9.95%	7.76%	0.00%	0.00%
109	29-1122.00	Occupational Therapists	Master's degree	27	17	520	7	1	15	1	214	124	4,650	2,494	59	75	2	12.62%	13.71%	11.18%	0.28%	1.69%	20.00%	50.00%
110	29-2081.00	Opticians, Dispensing	High school diploma or equivalent	20	9	410	0	1	0	0	144	60	3,150	128	5	0	0	13.89%	15.00%	13.02%	0.00%	0.00%	0.00%	0.00%
111	29-1051.00	Pharmacists	Doctoral or professional degree	35	6	1,250	261	3	0	0	314	39	11,770	5,904	82	170	2	11.15%	15.38%	10.62%	4.42%	3.66%	0.00%	0.00%
112	29-1123.00	Physical Therapists	Doctoral or professional degree	50	28	820	11	4	0	0	423	222	7,500	3,519	78	111	3	11.82%	12.61%	10.93%	0.31%	5.13%	0.00%	0.00%
113	29-1071.00	Physician Assistants	Master's degree	14	8	260	10	1	0	0	106	59	2,090	3,394	64	14	1	13.21%	13.56%	12.44%	0.29%	1.56%	0.00%	0.00%
114	29-1069.00	Physicians and Surgeons, All Other	Doctoral or professional degree	83	33	1,850	12	2	25	1	710	255	16,910	2,119	67	665	4	11.69%	12.94%	10.94%	0.57%	2.99%	3.76%	25.00%
115	29-1066.00	Psychiatrists	Doctoral or professional degree	5	2	100	9	3	26	2	63	27	1,360	319	55	110	8	7.94%	7.41%	7.35%	2.82%	5.45%	23.64%	25.00%
116	29-2034.00	Radiologic Technologists	Associate's degree	27	7	1,050	2	1	12	1	259	88	9,050	3,993	67	93	2	10.42%	7.95%	11.60%	0.05%	1.49%	12.90%	50.00%
117	29-1141.00	Registered Nurses	Bachelor's degree	488	192	12,540	231	10	121	7	4,833	1,777	129,550	29,481	206	15,260	26	10.10%	10.80%	9.68%	0.78%	4.85%	0.79%	26.92%
118	29-1126.00	Respiratory Therapists	Associate's degree	23	7	700	10	2	0	0	194	56	5,880	2,677	57	57	2	11.86%	12.50%	11.90%	0.37%	3.51%	0.00%	0.00%
119	29-1127.00	Speech-Language Pathologists	Master's degree	38	22	620	4	1	0	0	269	135	5,320	1,670	50	0	0	14.13%	16.30%	11.65%	0.24%	2.00%	0.00%	0.00%
120	29-2099.07	Surgical Assistants*	Certificate/Some college	14	10	410	3	2	0	0	151	105	4,670	1,830	61	15	1	9.27%	9.52%	8.78%	0.16%	3.28%	0.00%	0.00%
121	29-2055.00	Surgical Technologists	Certificate/Some college	8	4	400	13	2	0	0	84	46	3,820	2,799	59	185	2	9.52%	8.70%	10.47%	0.46%	3.39%	0.00%	0.00%
122	29-2056.00	Veterinary Technologists and Technicians	Associate's degree	13	9	350	12	1	0	0	98	66	3,280	87	13	0	0	13.27%	13.64%	10.67%	13.79%	7.69%	0.00%	0.00%
Number of Occupations Toledo Region				1,246	518	31,400	992	72	269	17														

Healthcare Support Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Northwest Region				Statewide				Northwest Regional Percentage Share of Statewide Numbers												
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMI Trend Data	Number of Employers (OMI)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMI Trend Data	No. of Employers (OMI)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMI 4-Year Trend Data	Number of OMI Employers	Forecast Data	Number of Employers Forecasted
123	31-9091.00	Dental Assistants	Certificate/Some college	34	14	790	0	0	0	0	409	167	9,800	333	18	1	1	8.31%	8.38%	8.06%	0.00%	0.00%	0.00%	0.00%
124	31-9099.00	Healthcare Support Workers, All Other	High school diploma or equivalent	13	4	420	8	4	3	1	102	37	3,100	1,658	61	33	3	12.75%	10.81%	13.55%	0.48%	6.56%	9.09%	33.33%
125	31-9011.00	Massage Therapists	Certificate/Some college	22	18	590	0	0	0	0	122	94	3,740	61	17	0	0	18.03%	19.15%	15.78%	0.00%	0.00%	0.00%	0.00%
126	31-9092.00	Medical Assistants	Certificate/Some college	133	71	2,990	65	5	134	2	911	468	21,240	13,236	113	2,565	10	14.60%	15.17%	14.08%	0.49%	4.42%	5.22%	20.00%
127	31-1014.00	Nursing Assistants	Certificate/Some college	279	111	7,420	10	5	75	1	2,711	1,107	71,020	8,786	77	2,310	9	10.29%	10.03%	10.45%	0.11%	1.30%	3.25%	11.11%
128	31-2011.00	Occupational Therapist Assistants	Associate's degree	21	13	260	7	1	0	0	177	110	2,300	788	45	0	0	11.86%	11.82%	11.30%	0.89%	2.22%	0.00%	0.00%
129	31-9097.00	Phlebotomists	Certificate/Some college	22	11	530	47	2	0	0	190	88	4,890	2,043	50	100	3	11.58%	12.50%	10.84%	2.30%	4.00%	0.00%	0.00%
130	31-2021.00	Physical Therapist Assistants	Associate's degree	50	30	710	3	1	0	0	339	195	4,990	1,137	49	0	0	14.75%	15.38%	14.23%	0.26%	2.04%	0.00%	0.00%
Number of Occupations Toledo Region				574	272	13,710	140	14	212	4														

Installation, Maintenance, and Repair Occupations

Ref.	Ext. SOC	In-Demand Occupation - 18	Typical Education Required for Entry*	Northwest Region				Statewide				Northwest Regional Percentage Share of Statewide Numbers												
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMI Trend Data	Number of Employers (OMI)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMI Trend Data	No. of Employers (OMI)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMI 4-Year Trend Data	Number of OMI Employers	Forecast Data	Number of Employers Forecasted
131	49-3011.00	Aircraft Mechanics and Service Technicians	Certificate/Some college	5	0	210	8	2	0	0	98	22	3,210	161	33	410	4	5.10%	0.00%	6.54%	4.97%	6.06%	0.00%	0.00%
132	49-3021.00	Automotive Body and Related Repairers	High school diploma or equivalent	24	7	740	6	2	0	0	210	58	6,630	43	19	10	1	11.43%	12.07%	11.16%	13.95%	10.53%	0.00%	0.00%
133	49-3023.00	Automotive Service Technicians and Mechanics	Certificate/Some college	101	16	3,160	28	4	0	0	857	126	27,290	2,782	89	88	2	11.79%	12.70%	11.58%	1.01%	4.49%	0.00%	0.00%
134	49-2091.00	Avionics Technicians	Associate's degree	0	0	0	0	0	0	0	10	2	450	39	13	60	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
135	49-3031.00	Bus & Truck Mechanics & Diesel Engine Spec.	High school diploma or equivalent	0	0	0	24	7	16	4	325	118	12,040	3,078	148	124	7	0.00%	0.00%	0.00%	0.78%	4.73%	12.90%	57.14%
136	49-2093.00	Electrical/Electronics Install/Repair, Trans. Equip.	Certificate/Some college	0	0	0	0	0	0	0	9	2	430	1	1	185	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
137	49-2094.00	Electrical/Electronics Repair, Comm/Indus Equip.	Certificate/Some college	4	0	260	12	6	0	0	46	6	2,290	180	65	60	6	8.70%	0.00%	11.35%	6.67%	9.23%	0.00%	0.00%
138	49-2095.00	Electrical/Electronics Repair, Pwrhse/Substa/Rly	Certificate/Some college																					

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Life, Physical, and Social Science Occupations																								
Ref.	Ext. SOC	In-Demand Occupation - 6	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
151	19-4021.00	Biological Technicians	Bachelor's degree	0	0	0	10	2	0	0	117	30	3,120	1,404	76	3	1	0.00%	0.00%	0.00%	0.71%	0.98%	0.00%	0.00%
152	19-2031.00	Chemists	Bachelor's degree	9	2	320	15	5	0	0	85	4	3,680	760	84	58	4	10.59%	50.00%	8.70%	1.97%	5.95%	0.00%	0.00%
153	19-3031.00	Clinical, Counseling, and School Psychologists	Doctoral or professional degree	13	7	270	29	2	12	2	189	94	4,450	263	30	23	3	6.88%	7.45%	6.07%	11.03%	6.67%	52.17%	66.67%
154	19-1012.00	Food Scientists and Technologists	Bachelor's degree	0	0	0	3	1	0	0	26	2	680	280	42	1	1	0.00%	0.00%	0.00%	1.07%	2.38%	0.00%	0.00%
155	19-2032.00	Materials Scientists	Bachelor's degree	0	0	0	30	4	0	0	13	3	480	270	28	9	2	0.00%	0.00%	0.00%	11.11%	14.29%	0.00%	0.00%
156	19-4099.01	Quality Control Analysts*	Associate's degree	0	0	0	0	0	4	1	73	8	1,560	173	61	68	5	0.00%	0.00%	0.00%	0.00%	0.00%	5.88%	20.00%
Number of Occupations Toledo Region				22	9	590	87	14	16	3														

Management Occupations																								
Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
157	11-3011.00	Administrative Services Managers	Bachelor's degree	20	4	830	1	1	0	0	276	72	10,930	286	102	0	0	7.25%	5.56%	7.59%	0.35%	0.98%	0.00%	0.00%
158	11-9041.00	Architectural and Engineering Managers	Bachelor's degree	21	1	650	33	9	1	1	226	14	6,900	1,807	226	6	2	9.29%	7.14%	9.42%	1.83%	3.98%	16.67%	50.00%
159	11-9041.01	Biofuels/Biodiesel Technology & Product Development Managers*	Bachelor's degree	21	1	650	33	9	1	1	226	14	6,900	1,807	226	1	1	9.29%	7.14%	9.42%	1.83%	3.98%	100.00%	100.00%
160	11-3021.00	Computer and Information Systems Managers	Bachelor's degree	14	8	540	77	13	0	0	359	213	12,410	7,000	316	4	2	3.90%	3.76%	4.35%	1.10%	4.11%	0.00%	0.00%
161	11-9021.00	Construction Managers	Bachelor's degree	20	4	1,120	9	6	11	1	271	73	14,170	810	122	258	11	7.38%	5.48%	7.90%	1.11%	4.92%	4.26%	9.09%
162	11-9013.00	Farmers, Ranchers, and Other Agricultural Managers	High school diploma or equivalent	240	0	14,060	0	0	0	0	1,293	0	75,880	72	5	0	0	18.56%	0.00%	18.53%	0.00%	0.00%	0.00%	0.00%
163	11-3031.00	Financial Managers	Bachelor's degree	46	8	1,610	157	23	3	1	621	110	21,580	17,062	455	958	12	7.41%	7.27%	7.46%	0.92%	5.05%	0.31%	8.33%
164	11-9051.00	Food Service Managers	High school diploma or equivalent	40	8	1,600	3	3	0	0	333	52	13,970	1,645	57	60	1	12.01%	15.38%	11.45%	0.18%	5.26%	0.00%	0.00%
165	11-1021.00	General and Operations Managers	Bachelor's degree	171	20	5,960	190	18	2	1	1,904	296	63,520	9,384	439	67	9	8.98%	6.76%	9.38%	2.02%	4.10%	2.99%	11.11%
166	11-3121.00	Human Resources Managers	Bachelor's degree	14	3	390	288	25	3	1	163	37	4,320	5,848	575	7	3	8.59%	8.11%	9.03%	4.92%	4.35%	42.86%	33.33%
167	11-3051.00	Industrial Production Managers	Bachelor's degree	45	0	1,580	105	16	3	3	346	0	12,210	1,207	265	27	10	13.01%	0.00%	12.94%	8.70%	6.04%	11.11%	30.00%
168	11-9199.08	Loss Prevention Managers*	High school diploma or equivalent	38	6	1,440	174	21	0	0	762	118	29,190	8,360	452	0	0	4.99%	5.08%	4.93%	2.08%	4.65%	0.00%	0.00%
169	11-9199.00	Managers, All Other	Bachelor's degree	38	6	1,440	174	21	12	1	762	118	29,190	8,360	452	46	8	4.99%	5.08%	4.93%	2.08%	4.65%	26.09%	12.50%
170	11-2021.00	Marketing Managers	Bachelor's degree	0	0	0	264	22	4	1	173	44	5,440	18,404	487	39	6	0.00%	0.00%	0.00%	1.43%	4.52%	10.26%	16.67%
171	11-9111.00	Medical and Health Services Managers	Bachelor's degree	68	26	1,660	114	7	0	0	698	285	16,340	14,251	192	33	3	9.74%	9.12%	10.16%	0.80%	3.65%	0.00%	0.00%
172	11-9121.00	Natural Sciences Managers	Bachelor's degree	0	0	0	18	4	9	1	27	3	1,140	2,164	96	17	3	0.00%	0.00%	0.00%	0.83%	4.17%	52.94%	33.33%
173	11-9141.00	Property, Real Estate & Community Assn Mgrs	High school diploma or equivalent	15	2	770	4	1	0	0	237	58	10,300	564	93	0	0	6.33%	3.45%	7.48%	0.71%	1.08%	0.00%	0.00%
174	11-3061.00	Purchasing Managers	Bachelor's degree	4	0	180	92	19	1	1	68	2	2,780	3,537	283	383	5	5.88%	0.00%	6.47%	2.60%	6.71%	0.26%	20.00%
175	11-2022.00	Sales Managers	Bachelor's degree	24	1	980	98	20	9	1	396	58	14,300	8,246	423	71	12	6.06%	1.72%	6.85%	1.19%	4.73%	12.68%	8.33%
176	11-9151.00	Social and Community Service Managers	Bachelor's degree	17	3	520	14	7	15	1	156	34	4,590	682	103	51	3	10.90%	8.82%	11.33%	2.05%	6.80%	29.41%	33.33%
177	11-9199.04	Supply Chain Managers*	High school diploma or equivalent	38	6	1,440	174	21	0	0	762	118	29,190	8,360	452	0	0	4.99%	5.08%	4.93%	2.08%	4.65%	0.00%	0.00%
178	11-3071.01	Transportation Managers*	High school diploma or equivalent	12	1	490	67	14	4	1	133	16	5,310	1,669	288	4	1	9.02%	6.25%	9.23%	4.01%	4.86%	100.00%	100.00%
Number of Occupations Toledo Region				906	108	37,910	2,089	280	78	16														

Office and Administrative Support Occupations																								
Ref.	Ext. SOC	In-Demand Occupation - 20	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
179	43-3011.00	Bill and Account Collectors	High school diploma or equivalent	22	0	890	188	9	0	0	404	0	16,540	2,775	205	1,643	3	5.45%	0.00%	5.38%	6.77%	4.39%	0.00%	0.00%
180	43-3021.00	Billing and Posting Clerks	High school diploma or equivalent	77	33	2,120	182	9	6	1	817	304	24,540	1,541	144	6	1	9.42%	10.86%	8.64%	11.81%	6.25%	100.00%	100.00%
181	43-3031.00	Bookkeeping, Accounting, and Auditing Clerks	Certificate/Some college	62	0	6,340	131	27	5	1	640	0	65,250	3,809	550	206	7	9.69%	0.00%	9.72%	3.44%	4.91%	2.43%	14.29%
182	43-4051.00	Customer Service Representatives	High school diploma or equivalent	197	37	6,520	1,026	19	70	3	2,474	489	80,620	21,961	573	7,848	32	7.96%	7.57%	8.09%	4.67%	3.32%	0.89%	9.38%
183	43-5032.00	Dispatchers, Except Police, Fire, and Ambulance	High school diploma or equivalent	20	3	700	33	4	3	1	233	38	7,810	471	89	62	3	8.58%	7.89%	8.96%	7.01%	4.49%	4.84%	33.33%
184	43-6011.00	Executive Secretaries and Administrative Assistants	High school diploma or equivalent	24	0	2,280	107	27	0	0	301	0	28,560	6,835	541	0	0	7.97%	0.00%	7.98%	1.57%	4.99%	0.00%	0.00%
185	43-1011.00	First-Line Sup/Mgrs of Office & Admin. Support	High school diploma or equivalent	0	0	0	503	31	1	1	982	321	43,780	21,026	590	15	4	0.00%	0.00%	0.00%	2.39%	5.25%	6.67%	25.00%
186	43-4161.00	Human Resources Assis., ex. Payroll & Timekp	Associate's degree	5	0	450	32	15	1	1	56	0	4,990	1,516	299	1	1	8.93%	0.00%	9.02%	2.11%	5.02%	100.00%	100.00%
187	43-9041.00	Insurance Claims and Policy Processing Clerks	High school diploma or equivalent	22	4	720	1	1	0	0	511	74	17,460	427	61	400	1	4.31%	5.41%	4.12%	0.23%	1.64%	0.00%	0.00%
188	43-4111.00	Interviewers, Except Eligibility and Loan	High school diploma or equivalent	50	9	1,820	3	2	0	0	274	61	9,330	2,518	69	0	0	18.25%	14.75%	19.51%	0.12%	2.90%	0.00%	0.00%
189	43-4131.00	Loan Interviewers and Clerks	High school diploma or equivalent	13	4	600	1	1	6	1	205	61	9,380	782	62	35	4	6.34%	6.56%	6.40%	0.13%	1.61%	17.14%	25.00%
190	43-6013.00	Medical Secretaries	High school diploma or equivalent	130	86	4,210	22	2	0	0	1,147	738	38,770	11,172	116	0	0	11.33%	11.65%	10.86%	0.20%	1.72%	0.00%	0.00%
191	43-4141.00	New Accounts Clerks	High school diploma or equivalent	5	0	200	0	0	0	0	54	0	2,210	420	35	2	1	9.26%	0.00%	9.05%	0.00%	0.00%	0.00%	0.00%
192	43-9199.00	Office and Administrative Support Workers, All Other	High school diploma or equivalent	0	0	0	10	5	0	0	199	50	5,550	354	82	18	5	0.00%	0.00%	0.00%	2.82%	6.10%	0.00%	0.00%
193	43-9061.00	Office Clerks, General	High school diploma or equivalent	227	7	10,180	127	20	0	0	2,495	249	104,140	3,898	358	6	1	9.10%	2.81%	9.78%	3.26%	5.59%	0.00%	0.00%
194	43-4151.00	Order Clerks	High school diploma or equivalent	21	0	760	60	8	0	0	328	4	11,940	462	107	0	0	6.40%	0.00%	6.37%	12.99%	7.48%	0.00%	0.00%
195	43-3051.00	Payroll and Timekeeping Clerks	High school diploma or equivalent	14	0	510	17	9	1	1	182	0	6,790	489	165	3	2	7.69%	0.00%					

Northwest Regional Business Engagement Report

October 2017

Ref.	Ext. SOC	In-Demand Occupation - 20	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
200	51-2099.00	Assemblers and Fabricators, All Other	High school diploma or equivalent	63	7	2,620	20	4	102	2	524	55	21,840	230	63	252	5	12.02%	12.73%	12.00%	8.70%	6.35%	40.48%	40.00%
201	51-9011.00	Chemical Equipment Operators/Tenders	High school diploma or equivalent	12	0	390	0	0	0	0	94	0	3,000	2	2	19	1	12.77%	0.00%	13.00%	0.00%	0.00%	0.00%	0.00%
202	51-8091.00	Chemical Plant and System Operators	High school diploma or equivalent	7	0	190	3	2	15	1	70	0	1,850	144	29	33	3	10.00%	0.00%	10.27%	2.08%	6.90%	45.45%	33.33%
203	51-4012.00	Computer Numerically Controlled Machine Tool Prog., M/P	High school diploma or equivalent	10	4	180	1	1	0	0	67	25	1,380	110	41	31	2	14.93%	16.00%	13.04%	0.91%	2.44%	0.00%	0.00%
204	51-4011.00	Computer-Controlled Machine Tool Oper., M/P	High school diploma or equivalent	75	29	1,520	23	5	0	0	608	230	12,430	715	134	173	4	12.34%	12.61%	12.23%	3.22%	3.73%	0.00%	0.00%
205	51-4031.00	Cutting/Punching/Press Machine S/O/T, M/P	High school diploma or equivalent	30	0	2,410	8	5	15	1	220	0	17,350	180	57	76	4	13.64%	0.00%	13.89%	4.44%	8.77%	19.74%	25.00%
206	51-2022.00	Electrical and Electronic Equipment Assemblers	High school diploma or equivalent	9	0	720	26	7	0	0	102	0	8,250	449	79	20	2	8.82%	0.00%	8.73%	5.79%	8.86%	0.00%	0.00%
207	51-2031.00	Engine and Other Machine Assemblers	High school diploma or equivalent	27	0	1,330	1	1	0	0	79	0	3,950	6	5	10	1	34.18%	0.00%	33.67%	16.67%	20.00%	0.00%	0.00%
208	51-9041.00	Extrud/Form/Pressing/Compacting Mach. S/O/T	High school diploma or equivalent	28	0	780	4	3	0	0	201	0	5,620	19	12	57	3	13.93%	0.00%	13.88%	21.05%	25.00%	0.00%	0.00%
209	51-1011.00	FL Sup/Mgrs of Production/Operating Workers	High school diploma or equivalent	63	0	3,980	1,012	34	57	7	448	0	28,320	13,228	647	217	26	14.06%	0.00%	14.05%	7.65%	5.26%	26.27%	26.92%
210	51-9198.00	Helpers--Production Workers	Less Than High School	81	0	2,500	138	17	69	2	665	0	20,390	1,812	280	160	8	12.18%	0.00%	12.26%	7.62%	6.07%	43.13%	25.00%
211	51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	High school diploma or equivalent	112	0	4,470	27	5	0	0	621	0	24,710	1,139	237	18	4	18.04%	0.00%	18.09%	2.37%	2.11%	0.00%	0.00%
212	51-4041.00	Machinists	High school diploma or equivalent	188	46	4,930	65	14	49	2	1,150	304	29,270	1,586	217	633	20	16.35%	15.13%	16.84%	4.10%	6.45%	7.74%	10.00%
213	51-9111.00	Packaging and Filling Machine Operators/Tenders	High school diploma or equivalent	126	14	3,150	70	6	121	2	773	60	19,990	1,349	138	223	4	16.30%	23.33%	15.76%	5.19%	4.35%	54.26%	50.00%
214	51-9122.00	Painters, Transportation Equipment	High school diploma or equivalent	4	0	190	0	0	0	0	39	9	1,580	17	9	6	1	10.26%	0.00%	12.03%	0.00%	0.00%	0.00%	0.00%
215	51-9199.00	Production Workers, All Other	High school diploma or equivalent	0	0	0	46	8	208	4	310	42	13,070	388	125	867	14	0.00%	0.00%	0.00%	11.86%	6.40%	23.99%	28.57%
216	51-2092.00	Team Assemblers	High school diploma or equivalent	216	0	10,080	15	2	0	0	1,479	20	67,960	371	84	593	3	14.60%	0.00%	14.83%	4.04%	2.38%	0.00%	0.00%
217	51-4111.00	Tool and Die Makers	High school diploma or equivalent	6	0	1,320	24	6	34	4	55	0	11,080	380	94	59	8	10.91%	0.00%	11.91%	6.32%	6.38%	57.63%	50.00%
218	51-8031.00	Water/Liquid Waste Treatment Plant/System Op.	High school diploma or equivalent	15	0	580	9	2	0	0	128	18	4,310	71	18	2	1	11.72%	0.00%	13.46%	12.68%	11.11%	0.00%	0.00%
219	51-4121.00	Welders, Cutters, Solderers, and Brazers	High school diploma or equivalent	58	0	2,020	22	9	95	4	455	6	15,670	556	102	779	17	12.75%	0.00%	12.89%	3.96%	8.82%	12.20%	23.53%
Number of Occupations Toledo Region				1,150	100	44,070	1,514	131	783	30														

Sales and Related Occupations

Ref.	Ext. SOC	In-Demand Occupation - 9	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
220	41-1012.00	First-Line Sup./Mgrs of Non-Retail Sales Workers	High school diploma or equivalent	15	3	1,060	210	14	0	0	231	73	13,760	4,406	333	0	0	6.49%	4.11%	7.70%	4.77%	4.20%	0.00%	0.00%
221	41-1011.00	First-Line Superv./Mgrs of Retail Sales Workers	High school diploma or equivalent	119	9	4,930	615	11	0	0	1,274	44	55,030	16,081	207	5	1	9.34%	20.45%	8.96%	3.82%	5.31%	0.00%	0.00%
222	41-3021.00	Insurance Sales Agents	High school diploma or equivalent	40	10	1,120	5	3	0	0	581	110	17,940	3,245	102	0	0	6.88%	9.09%	6.24%	0.15%	2.94%	0.00%	0.00%
223	41-2022.00	Parts Salespersons	Less Than High School	0	0	0	3	1	0	0	285	53	10,440	631	13	1	1	0.00%	0.00%	0.00%	0.48%	7.69%	0.00%	0.00%
224	41-9031.00	Sales Engineers	Bachelor's degree	6	1	190	25	6	3	1	91	13	3,030	2,806	192	43	11	6.59%	7.69%	6.27%	0.89%	3.13%	6.98%	9.09%
225	41-3099.00	Sales Representatives, Services, All Other	High school diploma or equivalent	53	9	2,060	568	8	0	0	850	224	29,380	7,974	233	63	11	6.24%	4.02%	7.01%	7.12%	3.43%	0.00%	0.00%
226	41-4012.00	Sales Rep., Wholesale/Mfg. ex. Tech./Sci. Prod.	High school diploma or equivalent	107	16	4,400	368	15	16	3	1,202	199	48,760	7,580	389	19	4	8.90%	8.04%	9.02%	4.85%	3.86%	84.21%	75.00%
227	41-4011.00	Sales Rep., Wholesale & Mfg. Tech./Sci. Prod.	Bachelor's degree	41	6	1,690	46	12	5	2	610	132	23,220	11,666	278	56	7	6.72%	4.55%	7.28%	0.39%	4.32%	8.93%	28.57%
228	41-3031.00	Securities/Commodities/Fin. Serv. Sales Agents	Bachelor's degree	14	5	530	8	2	0	0	272	79	11,200	13,650	142	500	2	5.15%	6.33%	4.73%	0.06%	1.41%	0.00%	0.00%
Number of Occupations Toledo Region				395	59	15,980	1,848	72	24	6														

Transportation and Material Moving Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Northwest Region					Statewide					Northwest Regional Percentage Share of Statewide Numbers										
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Statewide Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
229	53-6051.01	Aviation Inspectors*	High school diploma or equivalent	0	0	0	0	0	0	0	21	1	770	82	11	40	2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
230	53-3022.00	Bus Drivers, School or Special Client	High school diploma or equivalent	22	3	1,420	1	1	0	0	282	106	13,420	325	40	25	1	7.80%	2.83%	10.58%	0.31%	2.50%	0.00%	0.00%
231	53-2012.00	Commercial Pilots	High school diploma or equivalent	0	0	0	0	0	0	0	144	65	3,260	50	21	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
232	53-1021.00	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	High school diploma or equivalent	0	0	0	2	1	0	0	233	10	6,970	212	50	0	0	0.00%	0.00%	0.00%	0.94%	2.00%	0.00%	0.00%
233	53-1031.00	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	High school diploma or equivalent	27	0	840	470	20	2	1	292	19	8,510	5,922	364	5	1	9.25%	0.00%	9.87%	7.94%	5.49%	40.00%	100.00%
234	53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	Certificate/Some college	191	40	8,900	768	16	191	4	1,597	353	73,110	16,734	228	1,873	14	11.96%	11.33%	12.17%	4.59%	7.02%	10.20%	28.57%
235	53-7051.00	Industrial Truck and Tractor Operators	Less Than High School	116	0	4,660	80	9	26	2	630	13	24,790	1,864	147	55	3	18.41%	0.00%	18.80%	4.29%	6.12%	47.27%	66.67%
236	53-3033.00	Truck Drivers, Light or Delivery Services	High school diploma or equivalent	72	4	4,030	86	7	0	0	624	56	33,410	6,001	177	406	4	11.54%	7.14%	12.06%	1.43%	3.95%	0.00%	0.00%
Number of Occupations Toledo Region				428	47	19,850	1,407	54	219	7														

Number of Occupations Northwest Region	235	204	235	236	236	208	208
Number of In-Demand Occupations	236	236	236	236	236	236	236
Percentage of In-Demand Northwest Region	99.58%	86.44%	99.58%	100.00%	100.00%	88.14%	88.14%

Occupations with Annual Earnings ≥ \$13.47 per hour, Job Growth Count ≥ the Area Average (50 jobs), And/Or Total Annual Openings ≥ the Area Average (230 jobs)

Regional jobs forecasted may not total to the state due to various statewide only forecasted data.

Data across all tables may not be comparable due to differences in reporting periods, data source and data compression and rounding

*Typical education level needed to enter the occupation, using the US Bureau of Labor Statistics (BLS) education and training classification system

†Typical on-the-job training needed to attain competency in the occupation (http://www.bls.gov/emp/ep_definitions_edtrain.pdf)

**The openings and growth numbers for this occupation represent an occupational category that includes, but is larger than the specific occupational title listed

indicates a wage greater than \$90.00 per hour or \$187,200 per year

** Indicates that 2022 Occupational Data was suppressed, shown data represents 2020 LMI projections.