

Northwest Regional In-Demand Occupations Report

August 2017

Ref. #	Ext. SOC	In-Demand Occupation - 210	Family	Typical Education Required for Entry ¹	Northwest Region						Statewide						Northwest Regional Percentage Share of Statewide Numbers																					
					Regional		Regional		Number of		Statewide		Statewide		2012		Statewide 4-		No. of		Statewide		No. of		Total		Annual		2012		OMJ 4-Year		Number of OMJ		Forecast Data		Employers	
					Openings	Growth	2012 Regional Employment	Regional OMJ Trend Data	Employers (OMJ)	Regional Forecast Data	Employers (Forecast)	Annual Openings	Annual Growth	Statewide Employment	Year OMJ Trend Data	Employer s (OMJ)	Forecast Data	Employers	Forecasted	Annual Openings	Annual Growth	2012 Employment	OMJ 4-Year Trend Data	Number of OMJ	Forecast Data	Employers	Forecasted	Annual Openings	Annual Growth	2012 Employment	OMJ 4-Year Trend Data	Number of OMJ	Forecast Data	Employers	Forecasted			
1	13-2011.00	Accountants and Auditors	Business and Financial Operations Occupations	Bachelor's degree	132	30	3,440	4,170	99	16	4	1,546	354	40,290	25,787	641	187	20	8.54%	8.47%	8.54%	16.17%	15.44%	8.56%	20.00%	0.00%	0.00%	0.00%	28.57%	28.57%	0.00%	0.00%						
2	15-2011.00	Actuaries	Computer and Mathematical Occupations	Bachelor's degree	0	0	0	94	6	0	0	55	26	1,010	249	21	57	3	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
3	11-3011.00	Administrative Services Managers	Management Occupations	High school diploma or equivalent	16	6	600	31	19	0	0	245	90	9,520	429	114	0	0	6.53%	6.67%	6.30%	7.23%	16.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
4	17-3021.00	Aerospace Engineering and Operations Technicians	Architecture and Engineering Occupations	Associate's degree	0	0	0	1	1	0	0	5	0	230	11	4	13	1	0.00%	0.00%	0.00%	9.09%	25.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
5	17-2011.00	Aerospace Engineers	Architecture and Engineering Occupations	Bachelor's degree	0	0	0	51	9	0	0	93	0	4,000	2,087	80	76	4	0.00%	0.00%	0.00%	2.44%	11.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
6	49-3011.00	Aircraft Mechanics and Service Technicians	Installation, Maintenance, and Repair Occupations	Certificate/Some College	4	0	160	5	1	0	0	82	17	2,410	145	30	182	3	4.88%	0.00%	6.64%	3.45%	3.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
7	17-3011.01	Architectural and Civil Drafters	Architecture and Engineering Occupations	Associate's degree	5	2	240	3	3	0	0	39	0	2,940	176	35	4	1	12.82%	0.00%	8.16%	1.70%	8.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
8	11-9041.00	Architectural and Engineering Managers	Management Occupations	Bachelor's degree	44	15	1,200	248	42	3	1	220	40	7,350	2,700	306	153	2	20.00%	37.50%	16.33%	9.19%	13.73%	1.96%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
9	25-1121.00	Art, Drama, and Music Teachers, Postsecondary	Education, Training, and Library Occupations	Doctoral or professional degree	11	3	560	0	0	0	0	158	84	4,930	39	1	0	0	6.96%	3.57%	11.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
10	51-2099.00	Assemblers and Fabricators, All Other	Production Occupations	High school diploma or equivalent	55	24	1,960	8	4	40	2	524	183	21,560	202	59	185	5	10.50%	13.11%	9.09%	3.96%	6.78%	21.62%	40.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
11	49-3023.00	Automotive Service Technicians and Mechanics	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	88	18	2,780	30	13	0	0	805	158	25,590	2,773	93	3	1	10.93%	11.39%	10.86%	1.08%	13.98%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
12	49-2091.00	Avionics Technicians	Installation, Maintenance, and Repair Occupations	Certificate/Some college	0	0	0	1	1	0	0	8	0	380	45	15	47	2	0.00%	0.00%	0.00%	2.22%	6.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
13	43-3011.00	Bill and Account Collectors	Office and Administrative Support Occupations	High school diploma or equivalent	59	25	1,220	640	34	0	0	735	262	16,800	5,569	204	186	3	8.03%	9.54%	7.26%	11.49%	16.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
14	43-3021.00	Billing and Posting Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	70	31	2,110	178	16	0	0	809	357	24,550	1,072	105	0	0	8.65%	8.68%	8.59%	16.60%	15.24%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
15	17-2031.00	Biomedical Engineers	Architecture and Engineering Occupations	Bachelor's degree	0	0	0	43	4	0	0	20	6	530	276	29	20	2	0.00%	0.00%	0.00%	15.58%	13.79%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
16	43-3031.00	Bookkeeping, Accounting, and Auditing Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	109	52	6,170	753	60	0	0	1,100	500	65,330	4,590	408	16	1	9.91%	10.40%	9.44%	16.41%	14.71%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
17	47-2021.00	Brickmasons and Blockmasons	Construction and Extraction Occupations	High school diploma or equivalent	12	8	330	0	0	0	0	115	76	3,650	3	2	0	0	10.43%	10.53%	9.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
18	49-3031.00	Bus and Truck Mechanics and Diesel Engine Specialists	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	36	6	1,390	110	8	0	0	284	58	10,610	1,266	97	113	3	12.68%	10.34%	13.10%	8.69%	8.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
19	53-3022.00	Bus Drivers, School or Special Client	Transportation and Material Moving Occupations	High school diploma or equivalent	20	0	1,070	56	2	0	0	329	102	12,390	195	13	0	0	6.08%	0.00%	8.64%	28.72%	15.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
20	13-1199.00	Business Operations Specialists, All Other	Business and Financial Operations Occupations	High school diploma or equivalent	22	3	1,360	443	50	0	0	390	66	23,620	5,080	304	75	1	5.64%	4.55%	5.76%	8.72%	16.45%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
21	47-2031.00	Carpenters	Construction and Extraction Occupations	High school diploma or equivalent	106	67	3,160	28	3	30	1	869	527	27,780	139	34	30	1	12.20%	12.71%	11.38%	20.14%	8.82%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
22	17-2041.00	Chemical Engineers	Architecture and Engineering Occupations	Bachelor's degree	5	2	130	44	15	23	4	39	5	1,470	706	103	112	14	12.82%	40.00%	8.84%	6.23%	14.56%	20.54%	28.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%					
23	51-9011.00	Chemical Equipment Operators and Tenders	Production Occupations	High school diploma or equivalent	13	1	350	1	1	19	1	86	0	2,470	1	1	25	2	15.12%	0.00%	14.17%	100.00%	100.00%	76.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
24	51-8091.00	Chemical Plant and System Operators	Production Occupations	High school diploma or equivalent	0	0	0	42	4	0	0	78	2	2,050	134	25	17	1	0.00%	0.00%	0.00%	31.34%	16.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
25	19-2031.00	Chemists	Life, Physical, and Social Science Occupations	Bachelor's degree	7	0	260	84	17	0	0	93	7	3,340	977	87	61	6	7.53%	0.00%	7.78%	8.60%	19.54%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
26	21-1021.00	Child, Family, and School Social Workers	Community and Social Service Occupations	Bachelor's degree	29	12	810	12	4	0	0	308	123	8,730	287	27	0	0	9.42%	9.76%	9.28%	4.18%	14.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
27	17-3022.00	Civil Engineering Technicians	Architecture and Engineering Occupations	Associate's degree	3	0	140	13	4	0	0	42	0	2,040	128	37	13	1	7.14%	0.00%	6.86%	10.16%	10.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
28	17-2051.00	Civil Engineers	Architecture and Engineering Occupations	Bachelor's degree	25	11	580	27	10	0	0	291	117	7,160	946	125	34	1	8.59%	9.40%	8.10%	2.85%	8.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
29	13-1031.00	Claims Adjusters, Examiners, and Investigators	Business and Financial Operations Occupations	High school diploma or equivalent	6	0	260	904	16	0	0	306	40	11,490	2,339	89	190	4	1.96%	0.00%	2.26%	38.65%	17.98%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
30	27-2022.00	Coaches and Scouts	Arts, Design, Entertainment, Sports, and Media Occupations	High school diploma or equivalent	35	6	970	4	3	0	0	429	138	9,810	513	48	0	0	8.16%	4.35%	9.89%	0.78%	6.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
31	27-1021.00	Commercial and Industrial Designers	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	4	0	130	15	6	0	0	65	7	2,170	67	7	15	1	6.15%	0.00%	5.99%	22.39%	85.71%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
32	13-1041.00	Compliance Officers	Business and Financial Operations Occupations	Bachelor's degree	10	2	410	123	20	0	0	157	30	6,870	1,028	153	49	2	6.37%	6.67%	5.97%	11.96%	13.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
33	11-3021.00	Computer and Information Systems Managers	Management Occupations	Bachelor's degree	10	4	460	3,194	51	12	1	319	161	11,380	11,607	314	101	8	3.13%	2.48%	4.04%	27.52%	16.24%	11.88%	12.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
34	15-1143.00	Computer Network Architects*	Computer and Mathematical Occupations	Bachelor's degree	3	1	140	312	20	0	0	117	49	4,310	1,563	162	9	1	2.56%	2.04%	1.99%	19.96%	12.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
35	15-1152.00	Computer Network Support Specialists	Computer and Mathematical Occupations	Bachelor's degree	6	0	390	29	10	1	1	132	22	7,010	193	53	127	3	4.55%	0.00%	5.56%	15.03%	18.87%	0.79%	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
36	51-4012.00	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	Production Occupations	High school diploma or equivalent	9	4	180	6	3	14	2	79	35	11,430	1,146	139	43	6	11.39%	11.43%	11.46%	4.32%	6.98%	24.14%	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
37	15-1199.00	Computer Occupations, All Other	Computer and Mathematical Occupations	Bachelor's degree	3	0																																



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					Regional Annual Openings	Regional Growth	2012 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth	2012 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employer s (OMJ)	Statewide Forecast Data	No. of Forecasted	Total Annual Openings	Annual Growth	2012 Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Forecasted
93	17-3026.00	Industrial Engineering Technicians	Architecture and Engineering Occupations	Associate's degree	8	0	380	201	33	35	2	63	0	3,050	1,521	283	47	3	12.70%	0.00%	12.46%	13.21%	11.66%	74.47%	66.67%
94	17-2112.00	Industrial Engineers	Architecture and Engineering Occupations	Bachelor's degree	51	8	1,460	1,912	88	19	5	228	0	10,990	22,078	685	177	14	14.13%	20.00%	13.28%	8.66%	12.85%	10.73%	35.71%
95	49-9041.00	Industrial Machinery Mechanics	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	94	38	1,930	120	30	26	2	701	257	15,370	1,042	247	71	5	13.41%	14.79%	12.56%	11.52%	12.15%	36.62%	40.00%
96	11-3051.00	Industrial Production Managers	Management Occupations	Bachelor's degree	28	0	1,550	168	43	10	5	228	0	12,570	1,700	310	48	13	12.28%	0.00%	12.33%	9.88%	13.87%	20.83%	38.46%
97	53-7051.00	Industrial Truck and Tractor Operators	Transportation and Material Moving Occupations	Less than high school	102	0	4,460	36	10	28	1	556	0	24,210	602	112	43	2	18.35%	0.00%	18.42%	5.98%	8.93%	65.12%	50.00%
98	15-1122.00	Information Security Analysts*	Computer and Mathematical Occupations	Bachelor's degree	0	0	0	817	25	0	0	81	53	1,810	4,949	187	3	1	0.00%	0.00%	0.00%	16.51%	13.37%	0.00%	0.00%
99	15-1199.09	Information Technology Project Managers*	Computer and Mathematical Occupations	Bachelor's degree	3	0	210	3,208	76	22	4	135	7	8,180	36,033	471	467	17	2.22%	0.00%	2.57%	8.90%	16.14%	4.71%	23.53%
100	51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	Production Occupations	High school diploma or equivalent	104	15	4,060	356	26	15	1	610	92	23,570	1,393	208	159	4	17.05%	16.30%	17.23%	25.56%	12.50%	9.43%	25.00%
101	43-9041.00	Insurance Claims and Policy Processing Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	30	10	770	108	6	0	0	579	150	16,180	354	47	25	1	5.18%	6.67%	4.76%	30.51%	12.77%	0.00%	0.00%
102	41-3021.00	Insurance Sales Agents	Sales and Related Occupations	High school diploma or equivalent	46	17	1,250	1,344	19	0	0	620	188	18,390	5,542	91	1,434	2	7.42%	9.04%	6.80%	24.25%	20.88%	0.00%	0.00%
103	13-2053.00	Insurance Underwriters	Business and Financial Operations Occupations	Bachelor's degree	3	0	120	391	8	0	0	140	0	5,160	762	46	109	5	2.14%	0.00%	2.33%	11.31%	17.39%	0.00%	0.00%
104	27-3091.00	Interpreters and Translators	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	5	3	130	0	0	1	1	138	107	2,250	305	40	1	1	3.62%	2.80%	5.78%	0.00%	0.00%	100.00%	100.00%
105	43-4111.00	Interviewers, Except Eligibility and Loan	Office and Administrative Support Occupations	High school diploma or equivalent	22	12	520	120	5	0	0	261	80	9,570	1,222	50	0	0	8.43%	15.00%	5.43%	9.82%	10.00%	0.00%	0.00%
106	23-1011.00	Lawyers	Legal Occupations	Doctoral or professional degree	38	15	1,420	213	27	0	0	571	232	21,160	2,018	154	4	1	6.65%	6.47%	6.71%	10.56%	17.53%	0.00%	0.00%
107	29-2061.00	Licensed Practical and Licensed Vocational Nurses	Healthcare Practitioners and Technical Occupations	Certificate/Some College	217	90	5,210	202	7	0	0	1,886	886	40,970	2,982	64	99	1	11.51%	10.16%	10.00%	6.77%	10.94%	0.00%	0.00%
108	19-4099.01	Life, Physical, and Social Science Technicians, All Other	Life, Physical, and Social Science Occupations	Associate's degree	0	0	0	47	13	6	2	55	9	1,170	205	65	87	10	0.00%	0.00%	0.00%	22.93%	20.00%	6.90%	20.00%
109	53-3033.00	Light Truck or Delivery Services Drivers	Transportation and Material Moving Occupations	High school diploma or equivalent	68	0	4,270	154	13	15	1	591	101	30,670	3,460	122	158	3	11.51%	0.00%	13.92%	4.45%	10.66%	9.49%	33.33%
110	13-2072.00	Loan Officers	Business and Financial Operations Occupations	High school diploma or equivalent	23	8	840	3,205	10	0	0	271	65	11,270	26,596	63	498	8	8.49%	12.31%	7.45%	12.05%	15.87%	0.00%	0.00%
111	13-1081.00	Logisticians	Business and Financial Operations Occupations	Bachelor's degree	15	9	480	185	25	0	0	179	110	5,950	2,234	220	26	2	8.38%	8.18%	8.07%	8.28%	11.36%	0.00%	0.00%
112	11-9199.08	Loss Prevention Managers*	Management Occupations	High school diploma or equivalent	36	8	1,280	841	59	0	0	689	139	25,160	7,650	412	30	1	5.22%	5.76%	5.09%	10.99%	14.32%	0.00%	0.00%
113	51-4041.00	Machinists	Production Occupations	High school diploma or equivalent	187	67	5,240	178	19	125	8	937	261	29,520	1,720	227	333	18	19.96%	25.67%	17.75%	10.35%	8.37%	37.54%	44.44%
114	49-9071.00	Maintenance and Repair Workers, General	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	149	29	6,220	753	69	119	14	1,371	334	53,970	7,161	622	539	32	10.87%	8.68%	11.52%	10.52%	11.09%	22.08%	43.75%
115	49-9043.00	Maintenance Workers, Machinery	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	18	8	750	1	1	80	10	74	24	4,000	12	6	193	26	24.32%	33.33%	18.75%	8.33%	16.67%	41.45%	38.46%
116	13-1111.00	Management Analysts	Business and Financial Operations Occupations	Bachelor's degree	38	23	960	7,722	64	0	0	693	336	23,050	45,181	362	2	1	5.48%	6.85%	4.16%	17.09%	17.68%	0.00%	0.00%
117	11-9199.00	Managers, All Other	Management Occupations	High school diploma or equivalent	36	8	1,280	841	59	9	2	689	139	25,160	7,650	412	264	8	5.22%	5.76%	5.09%	10.99%	14.32%	3.41%	25.00%
118	17-2199.04	Manufacturing Engineers	Architecture and Engineering Occupations	Bachelor's degree	10	2	450	138	21	192	11	120	0	6,540	1,156	217	279	20	8.33%	0.00%	6.88%	11.94%	9.68%	68.82%	55.00%
119	17-3029.09	Manufacturing Production Technicians	Architecture and Engineering Occupations	Associate's degree	6	0	290	28	14	34	2	66	0	3,200	250	65	127	5	9.09%	0.00%	9.06%	11.20%	21.54%	26.77%	40.00%
120	13-1161.00	Market Research Analysts and Marketing Specialists	Business and Financial Operations Occupations	Bachelor's degree	49	34	1,110	736	57	9	2	810	552	18,810	9,530	387	59	7	6.05%	6.16%	5.90%	7.72%	14.73%	15.25%	28.57%
121	11-2021.00	Marketing Managers	Management Occupations	Bachelor's degree	10	4	270	2,027	85	2	1	171	55	5,420	22,626	512	58	9	8.55%	7.27%	4.98%	8.96%	16.60%	3.45%	11.11%
122	17-2131.00	Materials Engineers	Architecture and Engineering Occupations	Bachelor's degree	4	0	130	41	11	4	1	43	0	1,380	1,064	114	120	5	9.30%	0.00%	9.42%	3.85%	9.65%	3.33%	20.00%
123	17-3013.00	Mechanical Drafters	Architecture and Engineering Occupations	Associate's degree	6	0	420	27	10	0	0	41	0	3,100	258	77	13	2	14.63%	0.00%	13.55%	10.47%	12.99%	0.00%	0.00%
124	17-3027.00	Mechanical Engineering Technicians	Architecture and Engineering Occupations	Associate's degree	9	1	390	5	3	0	0	69	9	2,880	176	54	178	3	13.04%	11.11%	13.54%	2.84%	5.56%	0.00%	0.00%
125	17-2141.00	Mechanical Engineers	Architecture and Engineering Occupations	Bachelor's degree	0	0	0	600	45	220	15	428	26	11,780	7,270	395	522	38	0.00%	0.00%	0.00%	8.25%	11.39%	42.15%	39.47%
126	29-2012.00	Medical and Clinical Laboratory Technicians	Healthcare Practitioners and Technical Occupations	Associate's degree	31	17	520	318	10	28	2	316	149	6,370	2,187	99	470	4	9.81%	11.41%	8.16%	14.54%	10.10%	5.96%	50.00%
127	29-2011.00	Medical and Clinical Laboratory Technologists	Healthcare Practitioners and Technical Occupations	Bachelor's degree	17	8	340	318	11	0	0	222	63	6,060	3,268	70	215	4	7.66%	12.70%	5.61%	9.73%	15.71%	0.00%	0.00%
128	11-9111.00	Medical and Health Services Managers	Management Occupations	Bachelor's degree	53	23	1,250	1,848	27	0	0	644	276	15,160	14,118	150	265	3	8.23%	8.33%	8.25%	13.09%	18.00%	0.00%	0.00%
129	31-9092.00	Medical Assistants	Healthcare Support Occupations	High school diploma or equivalent	74	40	1,760	1,434	9	225	1	892	463	22,510	7,197	72	845	3	8.30%	8.64%	7.82%	19.92%	12.50%	26.63%	33.33%
130	29-2071.00	Medical Records and Health Information Technicians	Healthcare Practitioners and Technical Occupations	Certificate/Some College	30	11	710	594	18	0	0	336	129	7,840	5,107	113	65	2	8.93%	8.53%	9.06%	11.63%	15.93%	0.00%	0.00%
131	19-1042.00	Medical Scientists, Except Epidemiologists	Life, Physical, and Social Science Occupations	Doctoral or professional degree	2	0	110	439	21	5	1	68	23	2,140	3,022	112	15	3	2.94%	0.00%	5.14%	14.53%	18.75%	33.33%	33.33%
132	43-6013.00	Medical Secretaries	Office and Administrative Support Occupations	High school diploma or equivalent	106	74	2,630	695	12	0	0	1,515	1,047	38,860	6,576	83	0	0	7.00%	7.07%	6.77%	10.57%	14.46%	0.00%	0.00%
133	21-1023.00	Mental Health and Substance Abuse Social Workers	Community and Social Service Occupations	Bachelor's degree	27	10	810	107	7	8	1	259	127	6,230	1,970	62	67	2	10.42%	7.87%	7.00%	5.43%	11.29%	11.94%	50.00%
134	21-1014.00	Mental Health Counselors	Community and Social Service Occupations	Master's degree	20	11	440	30	6	0	0	187	100	4,100	216	29	30	1	10.70%	11.00%	10.73%	13.89%	20.69%	0.00%	0.00%
135	49-9044.00	Millwrights	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	18	10	540	0	0	31	2	78	38	2,560	21,099	11	57	3	23.08%	26.32%	21.09%	0.00%	0.00%	54.39%	66.67%
136	49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	13	2	370	3	1	10	1	124	31	3,210	151	25	114	2	10.48%	6.45%	11.53%	1.99%	4.00%	8.77%	50.00%
137	51-4072.00	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Production Occupations	High school diploma or equivalent	24	0	1,990	6	3	9	2	133	0	10,990	277	68	110	7	18.05%	0.00%	18.11%	2.17%	4.41%	8.18%	28.57%
138	11-9121.00	Natural Sciences Managers	Management Occupations	Bachelor's degree	0	0	0	284	17	0	0	26	4	1,080	1,487	89	250	1	0.00%	0.00%	0.00%	19.10%	19.10%	0.00%	0.00%
139	15																								

Northwest Regional In-Demand Occupations Report

August 2017

Ref. #	Ext. SOC	In-Demand Occupation - 210	Family	Typical Education Required for Entry ¹	Northwest Region							Statewide							Northwest Regional Percentage Share of Statewide Numbers							
					Regional Annual Openings	Regional Growth Openings	2012 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2012 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	2012 Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted	
185	41-3031.00	Securities, Commodities, and Financial Services Sales Agents	Sales and Related Occupations	Bachelor's degree	20	6	620	2,099	28	22	2	378	70	13,150	36,157	154	272	3	5.29%	8.57%	4.71%	5.81%	18.18%	8.09%	66.67%	
186	25-3021.00	Self-Enrichment Education Teachers	Education, Training, and Library Occupations	High school diploma or equivalent	24	8	910	0	0	0	0	340	148	11,260	21	8	0	0	7.06%	5.41%	8.08%	0.00%	0.00%	0.00%	0.00%	
187	47-5013.00	Service Unit Operators, Oil, Gas, and Mining	Construction and Extraction Occupations	Less than high school	0	0	0	0	0	143	1	19	6	310	33	11	1,307	1	0.00%	0.00%	0.00%	0.00%	0.00%	10.94%	100.00%	
188	43-5071.00	Shipping, Receiving, and Traffic Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	87	5	3,110	156	20	4	1	960	64	34,080	904	164	13	3	9.06%	7.81%	9.13%	17.26%	12.20%	30.77%	33.33%	
189	21-1093.00	Social and Human Service Assistants	Community and Social Service Occupations	High school diploma or equivalent	52	11	1,570	106	15	0	0	472	172	11,490	1,958	107	0	0	11.02%	6.40%	13.66%	5.41%	14.02%	0.00%	0.00%	
190	15-1132.00	Software Developers, Applications	Computer and Mathematical Occupations	Bachelor's degree	28	18	800	1,931	56	16	2	790	472	24,810	16,375	362	1,643	18	3.54%	3.81%	3.22%	11.79%	15.47%	0.97%	11.11%	
191	15-1133.00	Software Developers, Systems Software	Computer and Mathematical Occupations	Bachelor's degree	0	0	0	122	21	3	1	123	51	5,630	2,206	149	202	6	0.00%	0.00%	0.00%	5.53%	14.09%	1.49%	16.67%	
192	29-1127.00	Speech-Language Pathologists	Healthcare Practitioners and Technical Occupations	Master's degree	24	11	840	166	4	0	0	176	92	5,560	1,690	50	0	0	13.64%	11.96%	15.11%	9.82%	8.00%	0.00%	0.00%	
193	51-8021.00	Stationary Engineers and Boiler Operators	Production Occupations	High school diploma or equivalent	0	0	0	16	6	3	1	41	3	1,250	180	45	25	3	0.00%	0.00%	0.00%	8.89%	13.33%	12.00%	33.33%	
194	15-2041.00	Statisticians	Computer and Mathematical Occupations	Master's degree	0	0	0	49	10	0	0	53	26	870	464	56	3	1	0.00%	0.00%	0.00%	10.56%	17.86%	0.00%	0.00%	
195	11-9199.04	Supply Chain Managers*	Management Occupations	High school diploma or equivalent	36	8	1,280	841	59	45	1	689	139	25,160	7,650	412	85	2	5.22%	5.76%	5.09%	10.99%	14.32%	52.94%	50.00%	
196	29-2099.07	Surgical Assistants*	Healthcare Practitioners and Technical Occupations	Certificate/Some College	12	10	250	256	4	9	1	152	100	5,250	1,363	50	18	2	7.89%	10.00%	4.76%	18.78%	8.00%	50.00%	50.00%	
197	29-2055.00	Surgical Technologists	Healthcare Practitioners and Technical Occupations	Certificate/Some College	17	12	490	314	4	0	0	127	90	3,740	2,429	52	177	2	13.39%	13.33%	13.10%	12.93%	7.69%	0.00%	0.00%	
198	51-2092.00	Team Assemblers	Production Occupations	High school diploma or equivalent	293	98	12,320	11	5	0	0	1,435	410	64,850	355	64	75	1	20.42%	23.90%	19.00%	3.10%	7.81%	0.00%	0.00%	
199	27-3042.00	Technical Writers	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	0	0	0	107	18	0	0	48	12	1,160	817	131	0	0	0.00%	0.00%	0.00%	13.10%	13.74%	0.00%	0.00%	
200	49-2022.00	Telecommunications Equipment Installers and Repairers, Except Line Installers	Installation, Maintenance, and Repair Occupations	Certificate/Some College	11	0	830	32	2	0	0	154	49	7,680	1,271	27	975	3	7.14%	0.00%	10.81%	2.52%	7.41%	0.00%	0.00%	
201	43-3071.00	Tellers	Office and Administrative Support Occupations	High school diploma or equivalent	127	5	2,620	1,638	11	0	0	1,031	0	22,120	34,660	61	141	5	12.32%	0.00%	11.84%	4.73%	18.03%	0.00%	0.00%	
202	51-4111.00	Tool and Die Makers	Production Occupations	High school diploma or equivalent	18	8	1,620	8	4	103	10	87	25	10,290	270	74	163	14	20.69%	32.00%	15.74%	2.96%	5.41%	63.19%	71.43%	
203	13-1151.00	Training and Development Specialists	Business and Financial Operations Occupations	Bachelor's degree	15	5	570	448	43	0	0	238	94	7,870	4,607	322	10	1	6.30%	5.32%	7.24%	9.72%	13.35%	0.00%	0.00%	
204	11-3071.00	Transportation Managers*	Management Occupations	High school diploma or equivalent	13	3	460	186	30	0	0	154	33	5,280	1,440	250	19	5	8.44%	9.09%	8.71%	12.92%	12.00%	0.00%	0.00%	
205	29-2056.00	Veterinary Technologists and Technicians	Healthcare Practitioners and Technical Occupations	Associate's degree	9	7	210	3	1	0	0	120	90	3,040	129	9	0	0	7.50%	7.78%	6.91%	2.33%	11.11%	0.00%	0.00%	
206	15-1134.00	Web Developers*	Computer and Mathematical Occupations	Bachelor's degree	10	5	310	1,222	48	0	0	147	81	4,230	12,283	316	391	12	6.80%	6.17%	7.33%	9.95%	15.19%	0.00%	0.00%	
207	51-4121.00	Welders, Cutters, Solderers, and Brazers	Production Occupations	High school diploma or equivalent	68	15	2,170	26	6	61	5	399	61	13,760	579	107	781	17	17.04%	24.59%	15.77%	4.49%	5.61%	7.81%	29.41%	
208	51-4122.00	Welding/Soldering/Brazing Machine Setters, O/T	Production Occupations	High school diploma or equivalent	69	38	1,260	0	0	0	0	249	121	5,210	29	15	0	0	27.71%	31.40%	24.18%	0.00%	0.00%	0.00%	0.00%	
209	53-7073.00	Wellhead Pumpers	Transportation and Material Moving Occupations	Less than high school	0	0	0	0	0	0	0	18	5	370	-	-	10	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
210	13-1022.00	Wholesale and Retail Buyers, Except Farm Products	Business and Financial Operations Occupations	High school diploma or equivalent	11	3	330	32	4	18	1	157	39	4,720	446	42	83	3	7.01%	7.69%	6.99%	7.17%	9.52%	21.69%	33.33%	
					Number of Occupations Toledo Region	176	145	176	194	194	96	96														
					Number of In-Demand Occupations	210	210	210	210	210	210	210														
					Percentage of In-Demand in Toledo	83.81%	69.05%	83.81%	92.38%	92.38%	45.71%	45.71%														



Occupations with Annual Earnings ≥ \$12.98 per hour, Job Growth Count ≥ the Area Average (70 jobs), And/Or Total Annual Openings ≥ the Area Average (250 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

¹Typical education level needed to enter the occupation, using the US Bureau of Labor Statistics (BLS) education and training classification system

²Typical 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.