

Southwest Regional Business Engagement Report

October 2017

Architecture and Engineering Occupations																										
Ref. #	Ext. SOC	In-Demand Occupation - 24	Typical Education Required for Entry ¹	Southwest Region								Statewide						Southwest 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 Employers	Forecast Data	Number of Employers Forecasted		
1	17-2011.00	Aerospace Engineers	Bachelor's degree	0	0	0	1,603	12	176	1	129	0	4,510	1,997	71	321	3	0.00%	0.00%	0.00%	80.27%	16.90%	54.83%	33.33%		
2	17-2031.00	Biomedical Engineers	Bachelor's degree	0	0	0	56	12	45	1	25	8	640	163	35	54	4	0.00%	0.00%	0.00%	34.36%	34.29%	83.33%	25.00%		
3	17-2041.00	Chemical Engineers	Bachelor's degree	8	1	270	34	9	27	4	40	4	1,310	447	67	44	10	20.00%	25.00%	20.61%	7.61%	13.43%	61.36%	40.00%		
4	17-2051.00	Civil Engineers	Bachelor's degree	63	15	1,620	47	18	0	0	286	63	7,550	488	95	33	5	22.03%	23.81%	21.46%	9.63%	18.95%	0.00%	0.00%		
5	17-2061.00	Computer Hardware Engineers	Bachelor's degree	0	0	0	115	8	0	0	19	3	760	554	64	11	2	0.00%	0.00%	0.00%	20.76%	12.50%	0.00%	0.00%		
6	17-3023.00	Electrical and Electronic Engineering Technicians	Associate's degree	16	0	630	157	37	0	0	89	0	3,620	1,325	198	15	1	17.98%	0.00%	17.40%	11.85%	18.69%	0.00%	0.00%		
7	17-3023.03	Electrical Engineering Technicians*	Associate's degree	16	0	630	157	37	0	0	89	0	3,620	1,325	198	27	2	17.98%	0.00%	17.40%	11.85%	18.69%	0.00%	0.00%		
8	17-3029.02	Electrical Engineering Technologists*	Associate's degree	22	0	910	46	8	0	0	89	2	3,560	177	56	18	1	24.72%	0.00%	25.56%	25.99%	14.29%	0.00%	0.00%		
9	17-2071.00	Electrical Engineers	Bachelor's degree	23	4	860	1,019	42	180	1	119	7	5,070	3,761	239	653	19	19.33%	57.14%	16.96%	27.09%	17.57%	27.57%	5.26%		
10	17-3024.00	Electro-Mechanical Technicians	Associate's degree	3	0	120	18	7	17	1	15	0	600	90	36	45	3	20.00%	0.00%	20.00%	20.00%	19.44%	37.78%	33.33%		
11	17-3023.01	Electronics Engineering Technicians*	Associate's degree	16	0	630	157	37	0	0	89	0	3,620	1,325	198	63	4	17.98%	0.00%	17.40%	11.85%	18.69%	0.00%	0.00%		
12	17-2072.00	Electronics Engineers, Except Computer	Bachelor's degree	14	0	620	229	18	0	0	83	0	3,750	785	115	48	2	16.87%	0.00%	16.53%	29.17%	15.65%	0.00%	0.00%		
13	17-2081.00	Environmental Engineers	Bachelor's degree	7	2	170	40	17	0	0	40	12	990	444	93	1	1	17.50%	16.67%	17.17%	9.01%	18.28%	0.00%	0.00%		
14	17-2111.00	Health & Safety Engineers, ex. Mining Safety & Inspectors	Bachelor's degree	0	0	0	348	42	0	0	24	4	670	1,787	281	6	4	0.00%	0.00%	0.00%	19.47%	14.95%	0.00%	0.00%		
15	17-2112.00	Industrial Engineers	Bachelor's degree	91	9	2,800	6,588	104	0	0	366	23	11,710	19,962	606	31	5	24.86%	39.13%	23.91%	33.00%	17.16%	0.00%	0.00%		
16	17-2199.04	Manufacturing Engineers*	Bachelor's degree	30	5	1,270	131	25	13	1	191	32	7,930	564	136	107	17	15.71%	15.63%	16.02%	23.23%	18.38%	12.15%	5.88%		
17	17-3029.09	Manufacturing Production Technicians*	Associate's degree	22	0	910	46	8	114	4	89	2	3,560	177	56	383	13	24.72%	0.00%	25.56%	25.99%	14.29%	29.77%	30.77%		
18	17-2131.00	Materials Engineers	Bachelor's degree	5	0	150	588	11	0	0	53	1	1,480	1,014	84	21	3	9.43%	0.00%	10.14%	57.99%	13.10%	0.00%	0.00%		
19	17-3013.00	Mechanical Drafters	Associate's degree	5	0	430	38	18	7	1	36	0	3,080	196	80	7	1	13.89%	0.00%	13.96%	19.39%	22.50%	100.00%	100.00%		
20	17-3027.00	Mechanical Engineering Technicians	Associate's degree	7	0	270	108	9	15	1	69	6	2,560	204	51	64	4	10.14%	0.00%	10.55%	52.94%	17.65%	23.44%	25.00%		
21	17-2141.00	Mechanical Engineers	Bachelor's degree	61	10	1,620	2,407	54	127	2	430	50	11,990	5,396	321	238	22	14.19%	20.00%	13.51%	44.61%	16.82%	53.36%	9.09%		
22	17-3029.01	Non-Destructive Testing Specialists*	Associate's degree	22	0	910	46	8	6	1	89	2	3,560	177	56	31	2	24.72%	0.00%	25.56%	25.99%	14.29%	19.35%	50.00%		
23	17-2199.08	Robotics Engineers*	Bachelor's degree	30	5	1,270	131	25	0	0	191	32	7,930	564	136	12	1	15.71%	15.63%	16.02%	23.23%	18.38%	0.00%	0.00%		
24	17-2199.02	Validation Engineers*	Bachelor's degree	30	5	1,270	131	25	6	1	191	32	7,930	564	136	6	1	15.71%	15.63%	16.02%	23.23%	18.38%	100.00%	100.00%		
Number of Occupations Cincinnati Region				491	56	17,360	14,240	591	733	19																

Arts, Design, Entertainment, Sports, and Media Occupations																										
Ref.	Ext. SOC	In-Demand Occupation - 5	Typical Education Required for Entry ¹	Southwest Region								Statewide						Southwest 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 Employers	Forecast Data	Number of Employers Forecasted		
25	27-4011.00	Audio and Video Equipment Technicians	Certificate/Some college	4	0	210	16	7	0	0	41	14	1,410	91	39	3	1	9.76%	0.00%	14.89%	17.58%	17.95%	0.00%	0.00%		
26	27-1024.00	Graphic Designers	Bachelor's degree	45	3	1,760	118	37	0	0	244	10	9,860	1,081	194	2	1	18.44%	30.00%	17.85%	10.92%	19.07%	0.00%	0.00%		
27	27-3091.00	Interpreters and Translators	Bachelor's degree	7	4	170	42	10	0	0	91	56	2,200	264	44	0	0	7.69%	7.14%	7.73%	15.91%	22.73%	0.00%	0.00%		
28	27-3031.00	Public Relations Specialists	Bachelor's degree	17	4	1,070	440	61	0	0	132	40	7,710	2,676	334	3	1	12.88%	10.00%	13.88%	16.44%	18.26%	0.00%	0.00%		
29	27-3042.00	Technical Writers	Bachelor's degree	10	3	300	187	30	0	0	40	12	1,250	892	145	22	1	25.00%	25.00%	24.00%	20.96%	20.69%	0.00%	0.00%		
Number of Occupations Cincinnati Region				83	14	3,510	803	145	0	0																

Business and Financial Operations Occupations																										
Ref.	Ext. SOC	In-Demand Occupation - 21	Typical Education Required for Entry ¹	Southwest Region								Statewide						Southwest 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 Employers	Forecast Data	Number of Employers Forecasted		
30	13-2011.00	Accountants and Auditors	Bachelor's degree	260	60	7,500	2,485	130	1,157	2	1,438	336	41,300	16,236	668	1,312	18	18.08%	17.86%	18.16%	15.31%	19.46%	88.19%	11.11%		
31	13-1199.00	Business Operations Specialists, All Other	Bachelor's degree	78	18	5,060	743	56	0	0	374	67	25,760	5,151	311	6	1	20.86%	26.87%	19.64%	14.42%	18.01%	0.00%	0.00%		
32	13-1031.00	Claims Adjusters, Examiners, and Investigators	High school diploma or equivalent	57	3	2,190	618	11	0	0	312	11	12,150	2,495	88	1,581	4	18.27%	27.27%	18.02%	24.77%	12.50%	0.00%	0.00%		
33	13-1041.00	Compliance Officers*	Bachelor's degree	22	5	1,230	179	27	0	0	120	28	6,570	872	160	2	1	18.33%	17.86%	18.72%	20.53%	16.88%	0.00%	0.00%		
34	13-1051.00	Cost Estimators	Bachelor's degree	62	15	1,660	37	9	5	2	384	93	10,230	364	91	33	6	16.15%	16.13%	16.23%	10.16%	9.89%	15.15%	33.33%		
35	13-2041.00	Credit Analysts	Bachelor's degree	0	0	0	218	18	0	0	163	17	3,360	1,348	96	6	3	0.00%	0.00%	0.00%	16.17%	18.75%	0.00%	0.00%		
36	13-1041.01	Environmental Compliance Inspectors*	Bachelor's degree	22	5	1,230	179	27	0	0	120	28	6,570	872	160	1	1	18.33%	17.86%	18.72%	20.53%	16.88%	0.00%	0.00%		
37	13-2051.00	Financial Analysts	Bachelor's degree	0	0	0	768	59	466	2	273	79	9,460	4,616	272	640	7	0.00%	0.00%	0.00%	16.64%	21.69%	72.81%	28.57%		
38	13-1071.00	Human Resources Specialists	Bachelor's degree	110	3	4,410	673	61	3	1	452	58	16,180	3,720	339	9	3	24.34%	5.17%	27.26%	18.09%	33.33%	33.33%			
39	13-2053.00	Insurance Underwriters	Bachelor's degree	24	0	1,290	305	7	13	1	93	0	4,930	851	46	282	4	25.81%	0.00%	26.17%	35.84%	15.22%	4.61%	25.00%		
40	13-2072.00	Loan Officers	Bachelor's degree	51	15	2,190	852	16	25	1	298	89	12,550	7,587	73	182	6	17.11%	16.85%	17.45%	11.23%	21.92%	13.74%	16.67%		
41	13-1081.00	Logisticians*	Bachelor's degree	21	8	940	231	33	15	1	89	9	5,790	1,686	228	17	2	23.60%	88.89%	16.23%	13.70%	14.47%	88.24%	50.00%		
42	13-1081.02	Logistics Analysts*	Bachelor's degree	21	8	940	231	33	0	0	89	9	5,790	1,686	228	3	1	23.60%	88.89%	16.23%	13.70%	14.47%	0.00%	0.00%		
43	13-1111.00	Management Analysts	Bachelor's degree	120	54	4,760	1,892	67	0	0	624	290	24,080	30,314	369	500	3	19.23%	18.62%	19.77%	6.24%	18.16%	0.00%	0.00%		
44	13-1161.00	Market Research Analysts and Marketing Specialists	Bachelor's degree	144	90	4,530	778	63	0	0	602	362	20,100	8,302	361	75	5	23.92%	24.86%	22.54%	9.37%	17.45%	0.00%	0.00%		
45	13-1199.06	Online Merchants*	High school diploma or equivalent	78	18	5,060	743	56	0	0	374	67	25,760	5,151	311	0	0	20.86%	26.87%	19.64%	14.42%	18.01%	0.00%	0.00%		
46	13-2052.00	Personal Financial Advisors	Bachelor's degree	0	0	0	144	10	0	0	0	0	1,052	59	6	2	2	0.00%	0.00%	0.00%	13.69%	16.95%	0.00%	0.00%		
47	13-1023.00	Purchasing Agents, ex. Wholesale, Retail, & Farm	Bachelor's degree	52	2	1,840	811	68	0	0	342	0	12,450	3,563	393	20	1	15.20%	0.00%	14.78%	22.76%	17.30%	0.00%	0.00%		
48	13-1041.07	Regulatory Affairs Specialists*	Bachelor's degree	22	5	1,230	179	27	0	0	120	28	6,570	872	160	2	1	18.33%	17.86%	18.72%	20.53%	16.88%	0.00%	0.00%		
49	13-1151.00	Training and Development Specialists	Bachelor's degree	35	8	1,120	583	66	0	0	250	60	7,810	3,937	357	2	2	14.00%	13.33%	14.34%	14.81%	18.49%	0.00%	0.00%		
50	13-1022.00	Wholesale and Retail Buyers, Except Farm Products	Bachelor's degree	31	5	820	0	0	1	1	171	23	4,670	467	41	1	1	18.13%	21.74%	17.56%	0.00%	0.00%	100.00%	100.00%		
Number of Occupations Cincinnati Region				1,210	322																					

Southwest Regional Business Engagement Report

October 2017

Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry*	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
53	21-1023.00	Mental Health and Substance Abuse Social Workers	Bachelor's degree	30	12	740	748	21	89	1	270	110	6,620	4,242	106	1,002	16	11.11%	10.91%	11.18%	17.63%	19.81%	8.88%	6.25%
54	21-1014.00	Mental Health Counselors	Master's degree	12	4	380	42	12	22	0	158	72	4,130	491	55	655	13	7.59%	5.56%	9.20%	8.55%	21.82%	3.36%	0.00%
55	21-1093.00	Social and Human Service Assistants	High school diploma or equivalent	44	14	1,520	1,137	28	0	0	332	106	11,510	4,771	157	213	3	13.25%	13.21%	13.21%	23.83%	17.83%	0.00%	0.00%
56	21-1011.00	Substance Abuse and Behavioral Disorder Counselors	Bachelor's degree	15	8	340	56	10	0	0	106	51	2,650	381	57	65	3	14.15%	15.69%	12.83%	14.70%	17.54%	0.00%	0.00%
Number of Occupations Cincinnati Region				179	60	5,310	2,257	98	111	1														

Computer and Mathematical Occupations

Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry*	Southwest Region						Statewide						Southwest 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
57	15-2011.00	Actuaries	Bachelor's degree	10	3	230	115	6	0	0	45	15	1,010	961	32	17	2	22.22%	20.00%	22.77%	11.97%	18.75%	0.00%	0.00%
58	15-1199.08	Business Intelligence Analysts*	Bachelor's degree	14	3	830	3,973	83	0	0	103	6	7,520	33,233	436	156	2	13.59%	50.00%	11.04%	11.95%	19.04%	0.00%	0.00%
59	15-1111.00	Computer & Information Research Scientists	Doctoral or professional degree	0	0	0	33	10	9	1	3	0	230	503	55	13	3	0.00%	0.00%	0.00%	6.56%	18.18%	69.23%	33.33%
60	15-1143.00	Computer Network Architects	Bachelor's degree	10	3	550	236	25	0	0	96	27	5,390	1,503	156	0	0	10.42%	11.11%	10.20%	15.70%	16.03%	0.00%	0.00%
61	15-1152.00	Computer Network Support Specialists	Associate's degree	22	3	1,480	23	11	0	0	148	49	7,710	184	52	4	1	14.86%	6.12%	19.20%	12.50%	21.15%	0.00%	0.00%
62	15-1131.00	Computer Programmers	Bachelor's degree	20	0	820	559	55	0	0	184	0	7,490	5,370	312	358	9	10.87%	0.00%	10.95%	10.41%	17.63%	0.00%	0.00%
63	15-1121.00	Computer Systems Analysts	Bachelor's degree	175	106	5,370	2,624	85	80	1	978	599	29,440	27,229	447	571	6	17.89%	17.70%	18.24%	9.64%	19.02%	14.01%	16.67%
64	15-1199.02	Computer Systems Engineers/Architects*	Bachelor's degree	14	3	830	3,973	83	0	0	103	6	7,520	33,233	436	61	4	13.59%	50.00%	11.04%	11.95%	19.04%	0.00%	0.00%
65	15-1151.00	Computer User Support Specialists	Certificate/Some college	74	37	2,860	2,272	119	0	0	459	225	18,150	15,091	622	36	7	16.12%	16.44%	15.76%	15.06%	19.13%	0.00%	0.00%
66	15-1199.07	Data Warehousing Specialists*	Bachelor's degree	14	3	830	3,973	83	0	0	103	6	7,520	33,233	436	7	1	13.59%	50.00%	11.04%	11.95%	19.04%	0.00%	0.00%
67	15-1141.00	Database Administrators	Bachelor's degree	33	11	1,000	478	37	0	0	152	52	4,620	3,483	209	3	1	21.71%	21.15%	21.65%	13.72%	17.70%	0.00%	0.00%
68	15-1122.00	Information Security Analysts	Bachelor's degree	11	7	320	568	30	3	1	55	30	1,920	4,723	186	230	4	20.00%	23.33%	16.67%	12.03%	16.13%	1.30%	25.00%
69	15-1199.09	Information Technology Project Managers*	Bachelor's degree	14	3	830	3,973	83	30	1	103	6	7,520	33,233	436	388	8	13.59%	50.00%	11.04%	11.95%	19.04%	7.73%	12.50%
70	15-1142.00	Network and Computer Systems Administrators	Bachelor's degree	52	17	2,740	1,901	89	0	0	282	92	14,780	11,682	471	70	8	18.44%	18.48%	18.54%	16.27%	18.90%	0.00%	0.00%
71	15-2031.00	Operations Research Analysts	Bachelor's degree	17	10	390	340	41	0	0	112	68	2,450	3,437	255	115	1	15.18%	14.71%	15.92%	9.89%	16.08%	0.00%	0.00%
72	15-1199.10	Search Marketing Strategists*	Bachelor's degree	14	3	830	3,973	83	0	0	103	6	7,520	33,233	436	18	1	13.59%	50.00%	11.04%	11.95%	19.04%	0.00%	0.00%
73	15-1132.00	Software Developers, Applications	Bachelor's degree	178	93	5,960	2,736	63	204	5	836	467	25,840	17,133	357	1,799	26	21.29%	19.91%	23.07%	15.97%	17.65%	11.34%	19.23%
74	15-1133.00	Software Developers, Systems Software	Bachelor's degree	25	6	1,300	341	18	75	1	120	42	5,430	1,480	128	344	7	20.83%	14.29%	23.94%	23.04%	14.06%	21.80%	14.29%
75	15-1199.01	Software Quality Assurance Engineers and Testers*	Bachelor's degree	14	3	830	3,973	83	19	2	103	6	7,520	33,233	436	211	6	13.59%	50.00%	11.04%	11.95%	19.04%	9.00%	33.33%
76	15-2041.00	Statisticians	Master's degree	11	7	220	150	15	0	0	44	28	880	474	68	6	1	25.00%	25.00%	25.00%	31.65%	22.06%	0.00%	0.00%
77	15-1143.01	Telecommunications Engineering Specialists*	Bachelor's degree	10	3	550	236	25	0	0	96	27	5,390	1,503	156	2	1	10.42%	11.11%	10.20%	15.70%	16.03%	0.00%	0.00%
78	15-1134.00	Web Developers	Associate's degree	37	25	950	955	63	9	1	205	138	5,230	9,883	312	520	7	18.05%	18.12%	18.16%	9.66%	20.19%	1.73%	14.29%
Number of Occupations Cincinnati Region				769	349	29,720	37,405	1,190	429	13														

Construction and Extraction Occupations

Ref.	Ext. SOC	In-Demand Occupation - 12	Typical Education Required for Entry*	Southwest Region						Statewide						Southwest 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
79	47-2031.00	Carpenters	High school diploma or equivalent	92	37	4,760	12	5	45	2	623	287	29,210	130	43	676	15	14.77%	12.89%	16.30%	9.23%	11.63%	6.66%	13.33%
80	47-2051.00	Cement Masons and Concrete Finishers	Less Than High School	14	5	750	3	3	0	0	91	35	4,640	16	6	144	5	15.38%	14.29%	16.16%	18.75%	50.00%	0.00%	0.00%
81	47-2061.00	Construction Laborers	Less Than High School	155	57	4,890	63	11	26	1	1,129	411	35,980	346	61	998	7	13.73%	13.87%	13.59%	18.21%	18.03%	2.61%	14.29%
82	47-2111.00	Electricians	High school diploma or equivalent	106	52	3,570	125	17	230	2	628	270	23,460	700	121	584	16	16.88%	19.26%	15.22%	17.86%	14.05%	39.38%	12.50%
83	47-1011.00	First-Line Sup/Mgrs of Con. Trades/Extract. Work	High school diploma or equivalent	50	28	2,730	95	26	47	1	243	124	14,990	715	145	174	7	20.58%	22.58%	18.21%	13.29%	17.93%	27.01%	14.29%
84	47-3019.00	Helpers, Construction Trades, All Other	Less Than High School	0	0	0	0	0	24	1	11	5	440	775	3	24	1	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%
85	47-3013.00	Helpers-Electricians	High school diploma or equivalent	0	0	0	2	2	127	2	34	20	1,110	76	6	159	2	0.00%	0.00%	0.00%	2.63%	33.33%	79.87%	100.00%
86	47-2073.00	Operating Engineers & Other Con. Equip. Op.	High school diploma or equivalent	34	8	1,540	25	4	20	1	313	78	14,110	102	25	249	4	10.86%	10.26%	10.91%	24.51%	16.00%	8.03%	25.00%
87	47-2141.00	Painters, Construction and Maintenance	Less Than High School	49	19	1,870	3	2	0	0	250	90	10,040	51	27	0	0	19.60%	21.11%	18.63%	5.88%	7.41%	0.00%	0.00%
88	47-2152.00	Plumbers, Pipefitters, and Steamfitters	High school diploma or equivalent	67	32	2,670	32	6	0	0	339	148	14,440	131	31	366	4	19.76%	21.62%	18.49%	24.43%	19.35%	0.00%	0.00%
89	47-2211.00	Sheet Metal Workers	High school diploma or equivalent	24	6	860	15	5	20	1	126	25	4,690	67	20	145	2	19.05%	24.00%	18.34%	22.39%	25.00%	13.79%	50.00%
90	47-2221.00	Structural Iron and Steel Workers	High school diploma or equivalent	13	2	650	0	0	0	0	38	2	2,190	16	5	99	2	34.21%	100.00%	29.68%	0.00%	0.00%	0.00%	0.00%
Number of Occupations Cincinnati Region				604	246	24,290	375	81	539	11														

Education, Training, and Library Occupations

Ref.	Ext. SOC	In-Demand Occupation - 2	Typical Education Required for Entry*	Southwest Region						Statewide						Southwest 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
91	25-9031.01	Instructional Designers and Technologists*	Master's degree	5	2	320	56	16	1	1	48	23	2,560	527	82	1	1	10.42%	8.70%	12.50%	10.63%	19.51%	100.00%	100.00%
92	25-3021.00	Self-Enrichment Education Teachers	High school diploma or equivalent	51	22	1,550	5	2	0	0	300	118	9,630	7	4	0	0	17.00%	18.64%	16.10%	71.43%	50.00%	0.00%	0.00%
Number of Occupations Cincinnati Region				56	24	1,870	61	18	1	1														

Food Preparation and Serving Related Occupations

Ref.	Ext. SOC	In-Demand Occupation - 1	Typical Education Required for Entry*	Southwest Region						Statewide						Southwest 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		

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Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Southwest Region					Statewide					Southwest 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
96	29-2032.00	Diagnostic Medical Sonographers	Associate's degree	18	10	400	296	15	0	0	88	40	2,520	1,648	57	15	1	20.45%	25.00%	15.87%	17.96%	26.32%	0.00%	0.00%
97	29-2041.00	Emergency Medical Technicians and Paramedics	Certificate/Some college	51	29	1,310	140	12	0	0	395	231	10,020	1,818	45	0	0	12.91%	12.55%	13.07%	7.70%	26.67%	0.00%	0.00%
98	29-1062.00	Family and General Practitioners	Doctoral or professional degree	20	5	560	314	19	0	0	181	58	4,560	1,257	76	24	2	11.05%	8.62%	12.28%	24.98%	25.00%	0.00%	0.00%
99	29-2099.00	Health Technologists and Technicians, All Other	High school diploma or equivalent	18	11	720	278	18	0	0	151	105	4,670	1,830	61	0	0	11.92%	10.48%	15.42%	15.19%	29.51%	0.00%	0.00%
100	29-1063.00	Internists, General	Doctoral or professional degree	17	4	490	263	15	0	0	81	21	2,220	795	58	3	1	20.99%	19.05%	22.07%	33.08%	25.86%	0.00%	0.00%
101	29-2061.00	Licensed Practical and Licensed Vocational Nurses	Certificate/Some college	254	99	5,450	1,218	24	0	0	1,930	800	39,730	4,943	97	107	6	13.16%	12.38%	13.72%	24.64%	24.74%	0.00%	0.00%
102	29-2035.00	Magnetic Resonance Imaging Technologists	Associate's degree	5	1	200	49	13	0	0	49	20	1,520	252	41	1	1	10.20%	5.00%	13.16%	19.44%	31.71%	0.00%	0.00%
103	29-2012.00	Medical and Clinical Laboratory Technicians	Associate's degree	50	19	1,290	594	22	0	0	232	84	6,180	2,789	99	39	3	21.55%	22.62%	20.87%	21.30%	22.22%	0.00%	0.00%
104	29-2011.00	Medical and Clinical Laboratory Technologists	Bachelor's degree	33	12	880	508	24	40	2	232	77	6,480	3,075	77	705	10	14.22%	15.58%	13.58%	16.52%	31.17%	5.67%	20.00%
105	29-2071.00	Medical Records and Health Information Technicians	Certificate/Some college	60	24	1,600	825	28	0	0	283	104	7,980	6,243	136	130	2	21.20%	23.08%	20.05%	13.21%	20.59%	0.00%	0.00%
106	29-2033.00	Nuclear Medicine Technologists	Associate's degree	5	1	200	37	12	0	0	28	9	1,000	278	35	3	1	17.86%	11.11%	20.00%	13.31%	34.29%	0.00%	0.00%
107	29-1171.00	Nurse Practitioners	Master's degree	49	29	850	220	22	0	0	230	124	4,470	1,323	75	162	7	21.30%	23.39%	19.02%	16.63%	29.33%	0.00%	0.00%
108	29-9011.00	Occupational Health and Safety Specialists	Bachelor's degree	10	2	390	71	24	0	0	69	14	2,770	442	116	1	1	14.49%	14.29%	14.08%	16.06%	20.69%	0.00%	0.00%
109	29-1122.00	Occupational Therapists	Master's degree	35	21	710	1,294	15	0	0	214	124	4,650	2,494	59	75	2	16.36%	16.94%	15.27%	51.88%	25.42%	0.00%	0.00%
110	29-2081.00	Opticians, Dispensing	High school diploma or equivalent	20	8	450	0	0	0	0	144	60	3,150	128	5	0	0	13.89%	13.33%	14.29%	0.00%	0.00%	0.00%	0.00%
111	29-1051.00	Pharmacists	Doctoral or professional degree	52	10	1,780	378	19	0	0	314	39	11,770	5,904	82	170	2	16.56%	25.64%	15.12%	6.40%	23.17%	0.00%	0.00%
112	29-1123.00	Physical Therapists	Doctoral or professional degree	71	39	1,210	1,537	18	0	0	423	222	7,500	3,519	78	111	3	16.78%	17.57%	16.13%	43.68%	23.08%	0.00%	0.00%
113	29-1071.00	Physician Assistants	Master's degree	17	10	310	261	19	0	0	106	59	2,090	3,394	64	14	1	16.04%	16.95%	14.83%	7.69%	29.69%	0.00%	0.00%
114	29-1069.00	Physicians and Surgeons, All Other	Doctoral or professional degree	127	44	3,080	645	21	0	0	710	255	16,910	2,119	67	665	4	17.89%	17.25%	18.21%	30.44%	31.34%	0.00%	0.00%
115	29-1066.00	Psychiatrists	Doctoral or professional degree	0	0	70	15	0	0	0	63	27	1,360	319	55	110	8	0.00%	0.00%	0.00%	21.94%	27.27%	0.00%	0.00%
116	29-2034.00	Radiologic Technologists	Associate's degree	31	9	1,160	620	21	15	0	259	88	9,050	3,993	67	93	2	11.97%	10.23%	12.82%	15.53%	31.34%	16.13%	0.00%
117	29-1141.00	Registered Nurses	Bachelor's degree	728	278	19,080	11,611	38	141	1	4,833	1,777	129,550	29,481	206	15,260	26	15.06%	15.64%	14.73%	39.38%	18.45%	0.92%	3.85%
118	29-1126.00	Respiratory Therapists	Associate's degree	37	14	990	559	16	0	0	194	56	5,880	2,677	57	57	2	19.07%	25.00%	16.84%	20.88%	28.07%	0.00%	0.00%
119	29-1127.00	Speech-Language Pathologists	Master's degree	48	25	920	846	16	0	0	269	135	5,320	1,670	50	0	0	17.84%	18.52%	17.29%	50.66%	32.00%	0.00%	0.00%
120	29-2099.07	Surgical Assistants*	Certificate/Some College	18	11	720	278	18	15	1	151	105	4,670	1,830	61	15	1	11.92%	10.48%	15.42%	15.19%	29.51%	100.00%	100.00%
121	29-2055.00	Surgical Technologists	Certificate/Some college	11	6	540	689	16	0	0	84	46	3,820	2,799	59	185	2	13.10%	13.04%	14.14%	24.62%	27.12%	0.00%	0.00%
122	29-2056.00	Veterinary Technologists and Technicians	Associate's degree	12	8	440	26	3	0	0	98	66	3,280	87	13	0	0	12.24%	12.12%	13.41%	29.89%	23.08%	0.00%	0.00%
Number of Occupations Cincinnati Region				1,866	763	47,740	23,638	486	211	4														

Healthcare Support Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Southwest Region					Statewide					Southwest 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
123	31-9091.00	Dental Assistants	Certificate/Some college	59	24	1,420	35	3	0	0	409	167	9,800	333	18	1	1	14.43%	14.37%	14.49%	10.51%	16.67%	0.00%	0.00%
124	31-9099.00	Healthcare Support Workers, All Other	High school diploma or equivalent	14	5	420	224	18	0	0	102	37	3,100	1,658	61	33	3	13.73%	13.51%	13.55%	13.51%	29.51%	0.00%	0.00%
125	31-9011.00	Massage Therapists	Certificate/Some college	29	23	850	25	2	0	0	122	94	3,740	61	17	0	0	23.77%	24.47%	22.73%	40.98%	11.76%	0.00%	0.00%
126	31-9092.00	Medical Assistants	Certificate/Some college	140	72	3,270	3,107	26	45	0	911	468	21,240	13,236	113	2,565	10	13.37%	15.38%	15.40%	23.47%	23.01%	1.75%	0.00%
127	31-1014.00	Nursing Assistants	Certificate/Some college	467	208	11,470	1,345	19	0	0	2,711	1,107	71,020	8,786	77	2,310	9	17.23%	18.79%	16.15%	15.31%	24.68%	0.00%	0.00%
128	31-2011.00	Occupational Therapist Assistants	Associate's degree	31	20	380	370	12	0	0	177	110	2,300	788	45	0	0	17.51%	18.18%	16.52%	46.95%	26.67%	0.00%	0.00%
129	31-9097.00	Phlebotomists	Certificate/Some college	21	9	560	305	14	0	0	190	88	4,890	2,043	50	100	3	11.05%	10.23%	11.45%	14.93%	28.00%	0.00%	0.00%
130	31-2021.00	Physical Therapist Assistants	Associate's degree	40	24	550	491	15	0	0	339	195	4,990	1,137	49	0	0	11.80%	12.31%	11.02%	43.18%	30.61%	0.00%	0.00%
Number of Occupations Cincinnati Region				801	385	18,920	5,902	109	45	0														

Installation, Maintenance, and Repair Occupations

Ref.	Ext. SOC	In-Demand Occupation - 18	Typical Education Required for Entry*	Southwest Region					Statewide					Southwest 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
131	49-3011.00	Aircraft Mechanics and Service Technicians	Certificate/Some college	9	1	350	35	5	300	1	98	22	3,210	161	33	410	4	9.18%	4.55%	10.90%	21.74%	15.15%	73.17%	25.00%
132	49-3021.00	Automotive Body and Related Repairers	High school diploma or equivalent	24	6	780	2	1	10	1	210	58	6,630	43	19	10	1	11.43%	10.34%	11.76%	4.65%	5.26%	100.00%	100.00%
133	49-3023.00	Automotive Service Technicians and Mechanics	Certificate/Some college	135	18	4,370	69	15	3	1	857	126	27,290	2,782	89	88	2	15.75%	14.29%	16.01%	2.48%	16.85%	3.41%	50.00%
134	49-2091.00	Avionics Technicians	Associate's degree	0	0	0	0	0	30	1	10	2	450	39	13	60	1	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	100.00%
135	49-3031.00	Bus & Truck Mechanics & Diesel Engine Spec.	High school diploma or equivalent	48	20	1,660	132	18	0	0	325	118	12,040	3,078	148	124	7	14.77%	16.95%	13.79%	4.29%	12.16%	0.00%	0.00%
136	49-9051.00	Electrical Power-Line Installers and Repairers	High school diploma or equivalent	11	0	270	1	1	0	0	184	18	4,180	310	8	192	3	5.98%	0.00%	6.46%	0.32%	12.50%	0.00%	0.00%
137	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%
138	49-2094.00	Electrical/Electronics Repair, Comm/Indus Equip.	Certificate/Some college	4	0	250	20	10	6	1	46	6	2,290	180	65	60	6	8.70%	0.00%	10.92%	11.11%	15.38%	10.00%	16.67%
139	49-2095.00	Electrical/Electronics Repair, Pwrhse/Substa/Rly	Certificate/Some college																					

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Ref.	Ext. SOC	In-Demand Occupation - 6	Typical Education Required for Entry*	Southwest Region					Statewide						Southwest 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	46	14	1,160	445	16	0	0	117	30	3,120	1,404	76	3	1	39.32%	46.67%	37.18%	31.70%	21.05%	0.00%	0.00%
152	19-2031.00	Chemists	Bachelor's degree	18	0	800	88	14	38	2	85	4	3,680	760	84	58	4	21.18%	0.00%	21.74%	11.58%	16.67%	65.52%	50.00%
153	19-3031.00	Clinical, Counseling, and School Psychologists	Doctoral or professional degree	34	17	810	81	5	0	0	189	94	4,450	263	30	23	3	17.99%	18.09%	18.20%	30.80%	16.67%	0.00%	0.00%
154	19-1012.00	Food Scientists and Technologists	Bachelor's degree	10	1	270	21	8	0	0	26	2	680	280	42	1	1	38.46%	50.00%	39.71%	7.50%	19.05%	0.00%	0.00%
155	19-2032.00	Materials Scientists	Bachelor's degree	0	0	0	0	0	0	0	13	3	480	270	28	9	2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
156	19-4099.01	Quality Control Analysts*	Associate's degree	9	2	170	45	17	6	2	73	8	1,560	173	61	68	5	12.33%	25.00%	10.90%	26.01%	27.87%	8.82%	40.00%
Number of Occupations Cincinnati Region				117	34	3,210	680	60	44	4														

Management Occupations																								
Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry*	Southwest Region					Statewide						Southwest 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	51	12	2,070	69	26	0	0	276	72	10,930	286	102	0	2	18.48%	16.67%	18.94%	24.13%	25.49%	0.00%	0.00%
158	11-9041.00	Architectural and Engineering Managers	Bachelor's degree	43	2	1,330	830	41	0	0	226	14	6,900	1,807	226	6	0	19.03%	14.29%	19.28%	45.93%	18.14%	0.00%	0.00%
159	11-9041.01	Biofuels/Biodiesel Technology & Product Development Managers*	Bachelor's degree	43	2	1,330	830	41	0	0	226	14	6,900	1,807	226	1	1	19.03%	14.29%	19.28%	45.93%	18.14%	0.00%	0.00%
160	11-3021.00	Computer and Information Systems Managers	Bachelor's degree	69	41	2,360	652	62	1	1	359	213	12,410	7,000	316	4	2	19.22%	19.25%	19.02%	9.31%	19.62%	25.00%	50.00%
161	11-9021.00	Construction Managers	Bachelor's degree	44	10	2,460	102	27	29	1	271	73	14,170	810	122	258	11	16.24%	13.70%	17.36%	12.59%	22.13%	11.24%	9.09%
162	11-9013.00	Farmers, Ranchers, and Other Agricultural Managers	High school diploma or equivalent	73	0	4,280	0	0	0	0	1,293	0	75,880	72	5	0	0	5.65%	0.00%	5.64%	0.00%	0.00%	0.00%	0.00%
163	11-3031.00	Financial Managers	Bachelor's degree	145	25	5,070	3,259	79	3	1	621	110	21,580	17,062	455	958	12	23.35%	22.73%	23.49%	19.10%	17.36%	0.31%	8.33%
164	11-9051.00	Food Service Managers	High school diploma or equivalent	65	11	2,710	88	14	0	0	333	52	13,970	1,645	57	60	1	19.52%	21.15%	19.40%	5.35%	24.56%	0.00%	0.00%
165	11-1021.00	General and Operations Managers	Bachelor's degree	298	46	9,930	1,566	76	40	2	1,904	296	63,520	9,384	439	67	9	15.65%	15.54%	15.63%	16.69%	17.31%	59.70%	22.22%
166	11-3121.00	Human Resources Managers	Bachelor's degree	35	9	890	820	103	1	1	163	37	4,320	5,848	575	7	3	21.47%	24.32%	20.60%	14.02%	17.91%	14.29%	33.33%
167	11-3051.00	Industrial Production Managers	Bachelor's degree	53	0	1,860	275	45	15	1	346	0	12,210	1,207	265	27	10	15.32%	0.00%	15.23%	22.78%	16.98%	55.56%	10.00%
168	11-9199.08	Loss Prevention Managers*	High school diploma or equivalent	164	27	6,220	1,376	72	0	0	762	118	29,190	8,360	452	0	0	21.52%	22.88%	21.31%	16.46%	15.93%	0.00%	0.00%
169	11-9199.00	Managers, All Other	Bachelor's degree	164	27	6,220	1,376	72	4	1	762	118	29,190	8,360	452	46	8	21.52%	22.88%	21.31%	16.46%	15.93%	8.70%	12.50%
170	11-2021.00	Marketing Managers	Bachelor's degree	43	13	1,260	1,967	89	3	1	173	44	5,440	18,404	487	39	6	24.86%	29.55%	23.16%	10.69%	18.28%	7.69%	16.67%
171	11-9111.00	Medical and Health Services Managers	Bachelor's degree	106	37	2,720	2,960	41	0	0	698	285	16,340	14,251	192	33	3	15.19%	12.98%	16.65%	20.77%	21.35%	0.00%	0.00%
172	11-9121.00	Natural Sciences Managers	Bachelor's degree	7	1	300	1,198	24	0	0	27	3	1,140	2,164	96	17	3	25.93%	33.33%	26.32%	55.36%	25.00%	0.00%	0.00%
173	11-9141.00	Property, Real Estate & Community Assn Mgrs	High school diploma or equivalent	46	13	1,880	73	15	0	0	237	58	10,300	564	93	0	0	19.41%	22.41%	18.25%	12.94%	16.13%	0.00%	0.00%
174	11-3061.00	Purchasing Managers	Bachelor's degree	12	0	510	574	43	2	1	68	2	2,780	3,537	283	383	5	17.65%	0.00%	18.35%	16.23%	15.19%	0.52%	20.00%
175	11-2022.00	Sales Managers	Bachelor's degree	72	8	2,690	1,049	74	20	2	396	58	14,300	8,246	423	71	12	18.18%	13.79%	18.81%	12.72%	17.49%	28.17%	16.67%
176	11-9151.00	Social and Community Service Managers	Bachelor's degree	23	4	700	164	19	0	0	156	34	4,590	682	103	51	3	14.74%	11.76%	15.25%	24.05%	18.45%	0.00%	0.00%
177	11-9199.04	Supply Chain Managers*	High school diploma or equivalent	164	27	6,220	1,376	72	0	0	762	118	29,190	8,360	452	0	0	21.52%	22.88%	21.31%	16.46%	15.93%	0.00%	0.00%
178	11-3071.01	Transportation Managers*	High school diploma or equivalent	23	4	850	142	44	0	0	133	16	5,310	1,669	288	4	1	17.29%	25.00%	16.01%	8.51%	15.28%	0.00%	0.00%
Number of Occupations Cincinnati Region				1,743	319	63,860	20,746	1,079	118	12														

Office and Administrative Support Occupations																								
Ref.	Ext. SOC	In-Demand Occupation - 20	Typical Education Required for Entry*	Southwest Region					Statewide						Southwest 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	58	0	2,390	682	39	1,640	2	404	0	16,540	2,775	205	1,643	3	14.36%	0.00%	14.45%	24.58%	19.02%	99.82%	66.67%
180	43-3021.00	Billing and Posting Clerks	High school diploma or equivalent	108	39	3,300	184	31	0	0	817	304	24,540	1,541	144	6	1	13.22%	12.83%	13.45%	11.94%	21.53%	0.00%	0.00%
181	43-3031.00	Bookkeeping, Accounting, and Auditing Clerks	Certificate/Some college	96	0	9,800	894	103	192	3	640	0	65,250	3,809	550	206	7	15.00%	0.00%	15.02%	23.47%	18.73%	93.20%	42.86%
182	43-4051.00	Customer Service Representatives	High school diploma or equivalent	477	132	14,000	2,257	90	3,283	3	2,474	489	80,620	21,961	573	7,848	32	19.28%	26.99%	17.37%	10.28%	15.71%	41.83%	9.38%
183	43-5032.00	Dispatchers, Except Police, Fire, and Ambulance	High school diploma or equivalent	31	4	1,080	34	9	0	0	233	38	7,810	471	89	62	3	13.30%	10.53%	13.83%	7.22%	10.11%	0.00%	0.00%
184	43-6011.00	Executive Secretaries and Administrative Assistants	High school diploma or equivalent	52	0	4,890	1,174	94	0	0	301	0	28,560	6,835	541	0	0	17.28%	0.00%	17.12%	17.18%	17.38%	0.00%	0.00%
185	43-1011.00	First-Line Sup/Mgrs of Office & Admin. Support	High school diploma or equivalent	151	48	6,790	3,535	104	0	0	982	321	43,780	21,026	590	15	4	15.38%	14.95%	15.51%	16.81%	17.63%	0.00%	0.00%
186	43-4161.00	Human Resources Assis., ex. Payroll & Timek	Associate's degree	10	0	900	233	62	0	0	56	0	4,990	1,516	299	1	1	17.86%	0.00%	18.04%	15.37%	20.74%	0.00%	0.00%
187	43-9041.00	Insurance Claims and Policy Processing Clerks	High school diploma or equivalent	101	13	3,520	150	11	400	1	511	74	17,460	427	61	400	1	19.77%	17.57%	20.16%	35.13%	18.03%	100.00%	100.00%
188	43-4111.00	Interviewers, Except Eligibility and Loan	High school diploma or equivalent	62	10	2,260	214	17	0	0	274	61	9,330	2,518	69	0	0	22.63%	16.39%	24.22%	8.50%	24.64%	0.00%	0.00%
189	43-4131.00	Loan Interviewers and Clerks	High school diploma or equivalent	47	14	2,130	203	13	15	1	205	61	9,380	782	62	35	4	22.93%	22.95%	22.71%	25.96%	20.97%	42.86%	25.00%
190	43-6013.00	Medical Secretaries	High school diploma or equivalent	167	107	5,670	1,585	20	0	0	1,147	738	38,770	11,172	116	0	0	14.56%	14.50%	14.62%	14.19%	17.24%	0.00%	0.00%
191	43-4141.00	New Accounts Clerks	High school diploma or equivalent	8	0	340	52	5	0	0	54	0	2,210	420	35	2	1	14.81%	0.00%	15.38%	12.38%	14.29%	0.00%	0.00%
192	43-9199.00	Office and Administrative Support Workers, All Other	High school diploma or equivalent	39	12	1,000	24	12	0	0	199	50	5,550	354	82	18	5	19.60%	24.00%	18.02%	6.78%	14.63%	0.00%	0.00%
193	43-9061.00	Office Clerks, General	High school diploma or equivalent	313	16	13,780	983	68	0	0	2,495	249	104,140	3,898	358	6	1	12.55%	6.43%	13.23%	25.22%	18.99%	0.00%	0.00%
194	43-4151.00	Order Clerks	High school diploma or equivalent	76	5	2,610	63	16	0	0	328													

Southwest Regional Business Engagement Report

October 2017

Ref.	Ext. SOC	In-Demand Occupation - 9	Typical Education Required for Entry*	Southwest Region				Statewide				Southwest 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
200	51-2099.00	Assemblers and Fabricators, All Other	High school diploma or equivalent	46	2	2,050	40	12	140	1	524	55	21,840	230	63	252	5	8.78%	3.64%	9.39%	17.39%	19.05%	55.56%	20.00%
201	51-9011.00	Chemical Equipment Operators/Tenders	High school diploma or equivalent	24	1	720	0	0	0	0	94	0	3,000	2	2	19	1	25.53%	0.00%	24.00%	0.00%	0.00%	0.00%	0.00%
202	51-8091.00	Chemical Plant and System Operators	High school diploma or equivalent	16	0	430	6	4	6	1	70	0	1,850	144	29	33	3	22.86%	0.00%	23.24%	4.17%	13.79%	18.18%	33.33%
203	51-4012.00	Computer Numerically Controlled Machine Tool Prog., M/P	High school diploma or equivalent	6	2	130	25	8	8	1	67	25	1,380	110	41	31	2	8.96%	8.00%	9.42%	22.73%	19.51%	25.81%	50.00%
204	51-4011.00	Computer-Controlled Machine Tool Oper., M/P	High school diploma or equivalent	89	30	1,930	149	22	0	0	608	230	12,430	715	134	173	4	14.64%	13.04%	15.53%	20.84%	16.42%	0.00%	0.00%
205	51-4031.00	Cutting/Punching/Press Machine S/O/T, M/P	High school diploma or equivalent	17	0	1,330	18	6	0	0	220	0	17,350	180	57	76	4	7.73%	0.00%	7.67%	10.00%	10.53%	0.00%	0.00%
206	51-2022.00	Electrical and Electronic Equipment Assemblers	High school diploma or equivalent	14	0	1,160	87	17	0	0	102	0	8,250	449	79	20	2	13.73%	0.00%	14.06%	19.38%	21.52%	0.00%	0.00%
207	51-2031.00	Engine and Other Machine Assemblers	High school diploma or equivalent	6	0	280	1	1	0	0	79	0	3,950	6	5	10	1	7.59%	0.00%	7.09%	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	5	0	150	0	0	20	1	201	0	5,620	19	12	57	3	2.49%	0.00%	2.67%	0.00%	0.00%	35.09%	33.33%
209	51-1011.00	FL Sup/Mgrs of Production/Operating Workers	High school diploma or equivalent	54	0	3,450	1,912	104	69	2	448	0	28,320	13,228	647	217	26	12.05%	0.00%	12.18%	14.45%	16.07%	31.80%	7.69%
210	51-9198.00	Helpers--Production Workers	Less Than High School	74	0	2,280	142	38	10	1	665	0	20,390	1,812	280	160	8	11.13%	0.00%	11.18%	7.84%	13.57%	6.25%	12.50%
211	51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	High school diploma or equivalent	82	0	3,260	242	50	0	0	621	0	24,710	1,139	237	18	4	13.20%	0.00%	13.19%	21.25%	21.10%	0.00%	0.00%
212	51-4041.00	Machinists	High school diploma or equivalent	151	38	3,910	520	28	440	1	1,150	304	29,270	1,586	217	633	20	13.13%	12.50%	13.36%	32.79%	12.90%	69.51%	5.00%
213	51-9111.00	Packaging and Filling Machine Operators/Tenders	High school diploma or equivalent	153	17	3,810	119	22	60	0	773	60	19,990	1,349	138	223	4	19.79%	28.33%	19.06%	8.82%	15.94%	26.91%	0.00%
214	51-9122.00	Painters, Transportation Equipment	High school diploma or equivalent	4	1	160	1	1	6	1	39	9	1,580	17	9	6	1	10.26%	11.11%	10.13%	5.88%	11.11%	100.00%	100.00%
215	51-9199.00	Production Workers, All Other	High school diploma or equivalent	27	2	1,220	47	18	110	1	310	42	13,070	388	125	867	14	8.71%	4.76%	9.33%	12.11%	14.40%	12.69%	7.14%
216	51-2092.00	Team Assemblers	High school diploma or equivalent	105	8	4,510	63	15	73	1	1,479	20	67,960	371	84	593	3	7.10%	40.00%	6.64%	16.98%	17.86%	12.31%	33.33%
217	51-4111.00	Tool and Die Makers	High school diploma or equivalent	3	0	530	48	17	0	0	55	0	11,080	380	94	59	8	5.45%	0.00%	4.78%	12.63%	18.09%	0.00%	0.00%
218	51-8031.00	Water/Liquid Waste Treatment Plant/System Op.	High school diploma or equivalent	12	2	390	18	3	0	0	128	18	4,310	71	18	2	1	9.38%	11.11%	9.05%	25.35%	16.67%	0.00%	0.00%
219	51-4121.00	Welders, Cutters, Solderers, and Brazers	High school diploma or equivalent	62	0	2,180	164	21	101	1	455	6	15,670	556	102	779	17	13.63%	0.00%	13.91%	29.50%	20.59%	12.97%	5.88%
Number of Occupations Cincinnati Region				950	103	33,880	3,602	387	1,043	12														

Sales and Related Occupations

Ref.	Ext. SOC	In-Demand Occupation - 9	Typical Education Required for Entry*	Southwest Region				Statewide				Southwest 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
220	41-1012.00	First-Line Sup./Mgrs of Non-Retail Sales Workers	High school diploma or equivalent	33	8	2,140	664	54	0	0	231	73	13,760	4,406	333	0	0	14.29%	10.96%	15.55%	15.07%	16.22%	0.00%	0.00%
221	41-1011.00	First-Line Superv./Mgrs of Retail Sales Workers	High school diploma or equivalent	165	2	7,310	169	26	0	0	1,274	44	55,030	16,081	207	5	1	12.95%	4.55%	13.28%	1.05%	12.56%	0.00%	0.00%
222	41-3021.00	Insurance Sales Agents	High school diploma or equivalent	69	15	2,060	854	17	0	0	581	110	17,940	3,245	102	0	0	11.88%	13.64%	11.48%	26.32%	16.67%	0.00%	0.00%
223	41-2022.00	Parts Salespersons	Less Than High School	0	0	0	1	1	0	0	285	53	10,440	631	13	1	1	0.00%	0.00%	0.00%	0.16%	7.69%	0.00%	0.00%
224	41-9031.00	Sales Engineers	Bachelor's degree	15	1	540	410	32	6	1	91	13	3,030	2,806	192	43	11	16.48%	7.69%	17.82%	14.61%	16.67%	13.95%	9.09%
225	41-4011.00	Sales Rep., Wholesale & Mfg. Tech./Sci. Prod.	Bachelor's degree	108	28	3,900	1,480	53	0	0	610	132	23,220	11,666	278	56	7	17.70%	21.21%	16.80%	12.69%	19.06%	0.00%	0.00%
226	41-4012.00	Sales Rep., Wholesale/Mfg. ex. Tech./Sci. Prod.	High school diploma or equivalent	196	27	8,200	498	62	0	0	1,202	199	48,760	7,580	389	19	4	16.31%	13.57%	16.82%	6.57%	15.94%	0.00%	0.00%
227	41-3099.00	Sales Representatives, Services, All Other	High school diploma or equivalent	209	62	6,890	583	36	7	68	850	224	29,380	7,974	233	63	11	24.59%	27.68%	23.45%	7.31%	15.45%	11.11%	618.18%
228	41-3031.00	Securities/Commodities/Fin. Serv. Sales Agents	Bachelor's degree	88	25	3,670	4,355	27	300	1	272	79	11,200	13,650	142	500	2	32.35%	31.65%	32.77%	31.90%	19.01%	60.00%	50.00%
Number of Occupations Cincinnati Region				883	168	34,710	9,014	308	313	70														

Transportation and Material Moving Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry*	Southwest Region				Statewide				Southwest 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
229	53-6051.01	Aviation Inspectors*	High school diploma or equivalent	3	0	100	3	1	15	1	21	1	770	82	11	40	2	14.29%	0.00%	12.99%	3.66%	9.09%	37.50%	50.00%
230	53-3022.00	Bus Drivers, School or Special Client	High school diploma or equivalent	64	15	3,750	50	5	0	0	282	106	13,420	325	40	25	1	22.70%	14.15%	27.94%	15.38%	12.50%	0.00%	0.00%
231	53-2012.00	Commercial Pilots	High school diploma or equivalent	11	5	270	10	3	0	0	144	65	3,260	50	21	12	1	7.64%	7.69%	8.28%	20.00%	14.29%	0.00%	0.00%
232	53-1031.00	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	High school diploma or equivalent	43	3	1,230	366	57	0	0	292	19	8,510	5,922	364	5	1	14.73%	15.79%	14.45%	6.18%	15.66%	0.00%	0.00%
233	53-1021.00	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	High school diploma or equivalent	0	0	0	8	6	0	0	233	10	6,970	212	50	0	0	0.00%	0.00%	0.00%	3.77%	12.00%	0.00%	0.00%
234	53-7051.00	Industrial Truck and Tractor Operators	Less Than High School	69	4	2,600	67	17	0	0	630	13	24,790	1,864	147	55	3	10.95%	30.77%	10.49%	3.59%	11.56%	0.00%	0.00%
235	53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	Certificate/Some college	185	39	8,560	748	37	24	1	1,597	353	73,110	16,734	228	1,873	14	11.58%	11.05%	11.71%	4.47%	16.23%	1.28%	7.14%
236	53-3033.00	Truck Drivers, Light or Delivery Services	High school diploma or equivalent	88	7	4,760	311	26	4	1	624	56	33,410	6,001	177	406	4	14.10%	12.50%	14.25%	5.18%	14.69%	0.99%	25.00%
Number of Occupations Cincinnati Region				463	73	21,270	1,563	152	43	3														

Number of Occupations Southwest Region	219	179	219	224	224	90	82
Number of In-Demand Occupations	236	236	236	236	236	236	236
Percentage of In-Demand in Southwest Region	92.80%	75.85%	92.80%	94.92%	94.92%	38.14%	34.75%

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 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.